



हेमचंद्र यादव विश्वविद्यालय, दुर्ग (छ.ग.)

(पूर्व नाम- दुर्ग विश्वविद्यालय, दुर्ग)

रायपुर बाबा, दुर्ग (छ.ग.)-491001

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क्र. 4034 /अका./2025

दुर्ग, दिनांक : 15/07/25

प्राचार्य,

समस्त संबद्ध महाविद्यालय,
हेमचंद्र यादव विश्वविद्यालय,
दुर्ग (छ.ग.)

विषय- स्नातक स्तर के नवीन पाठ्यक्रम के भाग-तीन को सत्र 2025-26 से विश्वविद्यालय में लागू करने विषयक।
संदर्भ- अपर संचालक, उच्च शिक्षा संचालनालय, नया रायपुर, अटल नगर का पत्र क्र. 3985/237/आरशि/2023,
दिनांक 13.06.2023।

—00—

विषयांतर्गत लेख है कि संदर्भित पत्र के माध्यम से प्राप्त स्नातक स्तर भाग- तीन के निम्नलिखित कक्षा/विषयों के परिवर्तित/संशोधित पाठ्यक्रम शिक्षा सत्र 2025-26 से लागू किये जाते हैं-

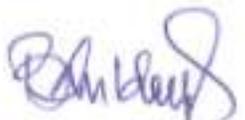
1. बी.ए. - आधार पाठ्यक्रम-हिन्दी भाषा, अंग्रेजी भाषा, हिन्दी साहित्य, अंग्रेजी साहित्य, राजनीतिशास्त्र, अर्थशास्त्र, नृत्य, दर्शनशास्त्र, समाजशास्त्र, इतिहास, संस्कृत, मानवविज्ञान, भूगोल, मनोविज्ञान, कम्प्यूटर।
2. बी.एस-सी. - आधार पाठ्यक्रम-हिन्दी भाषा, अंग्रेजी भाषा, जीव विज्ञान, मानवविज्ञान, गणित, मायोटेक्नोलॉजी, कम्प्यूटर साईंस, भौतिकी, प्राणीशास्त्र, भूविज्ञान, आई.टी., सूक्ष्मजीवविज्ञान, वनस्पतिशास्त्र, इलेक्ट्रॉनिक्स, रसायन शास्त्र, भूगोल।
3. बी.एस-सी. (गृह विज्ञान) - आधार पाठ्यक्रम - हिन्दी भाषा, अंग्रेजी भाषा एवं गृह विज्ञान।
4. बी.कॉम. - आधार पाठ्यक्रम - हिन्दी भाषा, अंग्रेजी भाषा एवं वाणिज्य।
5. विधि - एल.एल.बी.
6. प्रबंध - बी.बी.ए.
7. कम्प्यूटर - बी.सी.ए.
8. शिक्षा - बी.एड.
9. लाईब्रेरी साईंस - बी.लिब.

उपरोक्त विषयों को शिक्षा सत्र 2025-26 से संशोधित रूप में स्नातक स्तर भाग-तीन के लिए लागू किया जाता है।

अतः आपसे अनुरोध है कि पाठ्यक्रम परिवर्तन/संशोधन से महाविद्यालय के शिक्षकों एवं छात्र-छात्राओं को अवगत कराने का कष्ट करेंगे।

टीप :- परिवर्तित/संशोधित पाठ्यक्रम विश्वविद्यालय की वेबसाइट पर उपलब्ध है।

संलग्न : उपरोक्तानुसार।


कुलसचिव

क्र. 4035 /अका./2025

दुर्ग, दिनांक 15/07/25

प्रतिलिपि-

1. अपर संचालक, उच्च शिक्षा संचालनालय, नवा रायपुर, अटल नगर का पत्र क्र. 3985/237/आउशि/2023, दिनांक 13.06.2023 के परिपेक्ष में सूचनार्थ।
2. कुलपति के निज सहायक एवं कुलसचिव के निज सहायक, हेमचंद यादव विश्वविद्यालय, दुर्ग।
3. उपकुलसचिव, परीक्षा विभाग एवं उपकुलसचिव, गोपनीय विभाग हेमचंद यादव विश्वविद्यालय, दुर्ग।


उपकुलसचिव (अका.)

REVISED ORDINANCE NO.11

(As per State U.G.C. Scheme)

BACHELOR OF ARTS

1. The three year course have been broken up in to three Parts.
Part-I Examination : at the end of the first year.
Part-II Examination : at the end of the second year and
Part-III Examination : at the end of the third year.
2. A candidate who after passing (10-2) or intermediate examination of C.G. Board of Secondary Education, Raipur or any other examination recognised by the University or C.G. Board of Secondary Education as equivalent thereto, has attended a regular course of study in an affiliated college or in the Teaching Department of the University for one academic year shall be eligible for appearing at the B.A. Part-I examination.
3. A candidate who after passing B.A. Part-I examination of the University or any other examination recognised by the University as equivalent thereto has attended a regular course of study for one academic year in an affiliated college or in the Teaching Department of the University shall be eligible for appearing at the B.A. Part II Examination.
4. A candidate who after passing B.A. Part II examination of the University has completed a regular course of study for one academic year in an affiliated college or in the Teaching Department of the University shall be eligible for appearing at the B.A. Part-III examination.
5. Besides regular students, subject to their compliance with this ordinance, ex-students and non-collegiate candidates shall be eligible for admission to the examination as per provisions of Ordinance N. 6 relating to Examinations (General). Provided that non-collegiate candidates shall be permitted to offer only such subjects/papers as are taught to the regular students at any of the University Teaching Department or College.
6. Every candidate for the Bachelor of Arts examination shall be examined in : A.
Foundation Course :
 - i) Group B - Hindi Language
 - ii) Group C - English LanguageB. Three Core subjects : One subject from any three groups out of the following six groups :
 1. Sociology/Ancient Indian History/Anthropology.
 2. Political Science/Home Science/Vocational Course.

3. Hindi Literature/Sanskrit Literature/Urdu Literature/Math.
 4. Economics/Music/Linguistics/Defence studies.
 5. Philosophy/Psychology/Geography/Education/Management.
 6. History/English Literature/Statistics.
 7. Practicals (if necessary) for each core subject.
7. Any candidate who has passed the B.A. examination of the University shall be allowed to present himself for examination in any of additional subjects prescribed for the B.A. examination and not taken by him at the degree examination. Such candidate will have to first appear and pass the B.A. Part I examination in the subject which he proposes to offer and then the B.A. Part II and Part III examination in the same subject. Successful candidate will be given a certificate to that effect.
8. In order to pass at any part of the three year degree course examination, an examinee must obtain not less than 33% of the total marks in each subject/group of subjects. In subject/group of subjects, where both theory and practical examination are provided, an examinee must pass in both theory and practical parts of the examination separately.
9. Candidate will have to pass separately at the Part-I, Part II and part-III examination. No division shall be assigned on the result of the Part-I and Part-II examination. In determining the division of the Final examination, total marks obtained by the examinees, in their Part-I, Part-II and Part-III examination in the aggregate shall be taken into account. Candidate will not be allowed to change subjects after passing Part I Examination. Provided in case of candidate who has passed the examination through the supplementary examination having failed in one subject only the total aggregate marks being carried over for determining the division shall include the actual marks obtained in the subject in which he appeared at the supplementary examination.
10. Successful examinees at the Part-III examination obtaining 60% or more marks shall be placed in the First division, those obtaining less than 60% but not less than 45% marks in the Second division and other successful examinees in the third division.

SCHEME OF EXAMINATION

	Subject	Paper	Max. Marks	Min. Marks	
A. Compulsory Subject - Foundation Course :					
	Hindi Language	I	75	26	
	English Language	I	75	26	
B. Three Core Subject :					
1.	Hindi Literature	I	75	150	
		II	75		50
2.	Sanskrit Literature	I	75	150	
		II	75		50
3.	English Literature	I	75	150	
		II	75		50
4.	Philosophy	I	75	150	
		II	75		50
5.	Economics	I	75	150	
		II	75		50
6.	Political Science	I	75	150	
		II	75		50
7.	History	I	75	150	
		II	75		50
8.	Ancient Indian History Culture & Archaeology	I	50	100	
		II	50		50
			Practical	50	17
9.	Sociology	I	75	150	
		II	75		50
10.	Geography	I	50	100	
		II	50		50
			Practical	50	17
11.	Mathematics	I	50	150	
		II	50		50
		III	50		
12.	Statistics	I	50	100	
		II	50		33
			Practical	50	17

	Subject	Paper		Max. Marks	Min. Marks
13.	Anthropology	I	50	100	33
		II	50		
14.	Linguistics		Practical	50	17
		I	75	150	50
		II	75		
15.	Indian Music	I	50	100	33
		II	50		
			Practical	50	17
16.	Home Science	I	50	100	33
		II	50		
			Practical	50	17
17.	Education	I	75	150	50
		II	75		
18.	Psychology	I	50	100	33
		II	50		
			Practical	50	17
19.	Management	I	75	150	50
		II	75		
20.	Defence Studies	I	50	100	33
		II	50		
			Practical	50	17
21.	Urdu	I	75	150	50
		II	75		

USE OF CALCULATORS

The Students of Degree/P.G. Classes will be permitted to use of Calculators in the examination hall from annual 1986 examination on the following conditions as per decision of the standing committee of the Academic Council at its meeting held on 31-1-1986-

1. Student will bring their own Calculators.
2. Calculators will not be provided either by the university or examination centres.
3. Calculators with memory and following variables be permitted +, -, x, , square, reciprocal, exponents log, square root, trigonometric functions, sine, cosine, tangent etc. factorial summation, xy, yx and in the light of objective approval of merits and demerits of the viva only will be allowed.

बी.ए./ बी.एस-सी/ बी.कॉम./ बी.एच.एस.सी. भाग- तीन
(आधार पाठ्यक्रम)
प्रथम प्रश्नपत्र
हिंदी भाषा
कोड....

पूर्णांक 75
क्रेडिट 05

पाठ्यक्रम का उद्देश्य:-

1. हिंदी साहित्य की मूल संवेदना से सामान्य रूप से परिचित कराना ।
2. भारत की सामाजिक, आर्थिक एवं पर्यावरण संबंधी समग्र राष्ट्रीय विकास की रणनीति के विषय में सामान्य जानकारी प्रदान करना।
3. हिंदी में अभिव्यक्ति की पद्धतियों से अवगत कराना एवं उनके संप्रेषण कौशल में वृद्धि करना।
4. कामकाजी भाषा का सम्यक ज्ञान प्रदान करना।

2/2

23/2/2023

23/2/23

<p>इकाई 1 (क) भारत माता : सुमित्रानंदन पंत शहर से सोचता हूँ : विनोद कुमार शुक्ल (ख) कथन की शैलियाँ:</p> <ol style="list-style-type: none"> 1. विवरणात्मक शैली 2. मूल्यांकनपरक शैली 3. व्याख्यात्मक शैली 4. विचारात्मक शैली 	<p>अंक 15 18 कालखंड</p>
<p>इकाई 2(क)सूखी झाली : उपेंद्रनाथ अशक अपोलो का रथ : श्रीकांत वर्मा (ख) विभिन्न संरचनाएँ</p> <ol style="list-style-type: none"> 1. विनमता सूचक संरचना 2. विधिसूचक संरचना 3. निषेधपरक संरचना 4. कालबोधक संरचना 5. स्थान बोधक संरचना 6. दिशाबोधक संरचना 7. कार्य-कारण संबंध संरचना 8. अनुक्रम संरचना 	<p>अंक 15 18 कालखंड</p>
<p>इकाई 3 (क) रहीम चाचा: शानी निमित्त : भीष्म साहनी (ख) कार्यालयीन पत्र</p> <ol style="list-style-type: none"> 1. परिपत्र 2. आदेश 3. अधिसूचना 4. जापन 5. अनुस्मारक 6. पृष्ठांकन 	<p>अंक 15 18 कालखंड</p>
<p>इकाई 4(क) आज भी खरे हैं तालाब (आज भी खरे हैं तालाब का अध्याय) : अनुपम मिश्र एक गाँव में विश्व पर्यावरण वर्ग (धरती की पुकार का अध्याय) : सुंदरलाल बहुगुणा (ख) समसामयिक विषयों पर एक निबंध (शब्द सीमा 250)</p>	<p>अंक 15 18 कालखंड</p>
<p>इकाई 5 (क)संस्कृतिऔरराष्ट्रीयएकीकरण : योगेश अटल शक्तिमानता का अर्थशास्त्र :ओंकारशरणश्रीवास्तव</p>	<p>अंक 15 18 कालखंड</p>

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23/11/23

23/2/2023

(ख) घटनाओं, समारोहोंका प्रतिवेदन, विभिन्न प्रकार के निमंत्रण पत्र	
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मूल्यांकन योजना:-

प्रत्येक इकाई से एक-एक प्रश्न पूछे जाएंगे। एक प्रश्न के 15 अंक होंगे। प्रत्येक प्रश्न में आंतरिक विकल्प होगा। प्रत्येक प्रश्न के दो भाग 'क' और 'ख' होंगे एवं अंक क्रमशः 08 एवं 07 होंगे। प्रश्नपत्र का पूर्णांक 75 निर्धारित है। प्रश्नपत्रके पूर्णांकका दस प्रतिशत अंक आंतरिक मूल्यांकनके लिए निर्धारित है।

पाठ्यक्रम के संभावित परिणाम:-

1. हिंदी साहित्य से सामान्य परिचय हो सकेगा ।
2. हिंदी में अभिव्यक्ति की पद्धतियों से परिचय होगा एवं उनके संप्रेषण कौशल में वृद्धि हो सकेगी।
3. कामकाजी भाषा लेखन का कौशल विकसित हो सकेगा ।
4. भारतीय संस्कृति के समन्वयात्मक स्वभाव के प्रति विश्वास जागृत हो सकेगा।

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23/2/23

23/2/2023

23/2/23

BA/B.Sc./B.Com/B.Sc. Home.Sc. (Part-III)
Foundation Course Paper-II English Language

Max. Marks:75
 Total credits: 05

Qualifying Marks:26

Paper-II	Mark's	Period's	Credit
Unit-I English in Use: A Textbook for College Students (Semester III), Macmillan Publishers India Pvt Ltd	3x5=15	18	01
Unit -II Writing Skills Writing a Film Review Book Review Editorial Writing Story Writing	1x10=10	18	01
Unit -III Reading Comprehension (a) Unseen Passage (MCQ -based) (b) Vocabulary (Text-based)	1x5=05 1x10=10	09	0.5
Unit -IV CV Writing: Chronological CV & Functional CV Precis Writing	1x10=10	09	01
Unit-V Grammar • Reported speech • Punctuation • Simple, Compound & Complex Sentences • Clause Analysis: Co-ordinate Clauses & Subordinate Clauses • Translation from English to Hindi(5 sentences only)	1x25=25	27	1.5
Total	75	90	05
Recommended Books- 1. Essential English Grammar, 2nd Edition by Raymond Murphy, Cambridge Publication 2. English Grammar in use 5th edition by Raymond Murphy, Cambridge Publication. 3. Advanced English Grammar by Martin Hewings Cambridge University Press.			

(Signature)
 11/07/2023
 (P.C. Choudhary)

त्रिवर्षीय उपाधि पाठ्यक्रम
(सत्र-2022-23)

बी.ए. भाग - तीन
हिन्दी साहित्य

प्रथम - प्रश्नपत्र

छत्तीसगढ़ी भाषा एवं साहित्य

पूर्णांक : 75

क्रेडिट - 5.90 कालखण्ड

प्रस्तावना एवं उद्देश्य -

1. छत्तीसगढ़ी भाषा और संस्कृति के प्रति रुचि और सजगता का विकास।
2. छत्तीसगढ़ी भाषा के स्वरूप से परिचय।
3. लोक-साहित्य तथा उसकी विभिन्न विधाओं से परिचय तथा छत्तीसगढ़ी लोक-संस्कृति के प्रति जागरूकता का विकास।
4. समकालीन छत्तीसगढ़ी साहित्य से परिचय।
5. छत्तीसगढ़ी भाषा के संरचनात्मक एवं प्रयोजनात्मक पक्ष से परिचय।
6. छत्तीसगढ़ी के सामाजिक जीवन एवं संस्कृति तथा व्यवहार से सामान्य परिचय।

पाठ्य विषय :

इकाई - 01 छत्तीसगढ़ी भाषा : संरचनात्मक विशेषताएँ एवं प्रयोजनीयता 18 कालखण्ड

क. छत्तीसगढ़ी की व्याकरणिक कोटियाँ
संज्ञा, सर्वनाम, विशेषण, क्रिया विशेषण, लिंग, वचन और क्तरक
ख. 1. कार्यालयीन पत्र व्यवहार

2. रेडियो पत्रकारिता : उद्घोषणा, रैलवे, आकाशवाणी एवं अन्य

इकाई - 02 क. छत्तीसगढ़ी लोक साहित्य - 1 : अर्थ, स्वरूप एवं महत्त्व 18 कालखण्ड

ख. छत्तीसगढ़ी लोक काव्य :

करना - 1. मोला रोहत है राम बिन देखे पसान

2. करिया सियाही फागद लिख ना गा

सुदा गीत : - 1. पहिली गबन के मोला डेहरी बैटार्ये

2. तरी नरी न न ना तरी नरी ना ना

चपरिया - 1. कया के पेड़ ना, हडिया के नारे, तया के रोटी, पीपर के पाता, तोर

मन चलती, फूटहा रे मंदिर मोर जरात करेजा, गोरी के अघरा, नया

घर ना, यदा तो दाई

Alcald *उपाधि* *6/3* *23.2.2023* *23/02/23*

इकाई - 03 क. छत्तीसगढ़ी लोक साहित्य -

18 कालखण्ड

2 लोक नाट्य नावा : (सामान्य परिचय)

गणत : माया-परीच्छा

पथीगीत - 1 सत्यनाम सार2 माटी के बोला.....

ख. छत्तीसगढ़ी लोक कथाएं : 1. जा रे ठकवा नेय्या खा

2. घोटी बाल जिरीदार

इकाई - 04 आधुनिक छत्तीसगढ़ी काव्य : ऐतिहासिक विकास

18 कालखण्ड

क. छत्तीसगढ़ी काव्य : संत काव्य परंपरा - 1 संत धर्मदास- तीन पद

क. गुरु पढ़या लागो नाम लखा दीजो हो।

ख. नैन जागे ख्यात घनेरा।

ग. भजन करौं भाई रे, अइसन तन पाय के।

(सन्दर्भ- धर्मदास के शब्दावली से उपभूत)

ख. छत्तीसगढ़ काव्य : आधुनिक काव्य - 1 भगवती लाल सेन -

1 दही के भोरहा मां

2 आ मे बसंत

2. विनय कुमार पाठक

1. तीय उठथस सुरज उथे

2. एक किसिम के नियाव

3. जीवनलाल यदु

1. बादर करय साहूकारी

2. घेत घेत रे धिरेय्या

इकाई - 05 क. आधुनिक छत्तीसगढ़ी गद्य - ऐतिहासिक विकास

18 कालखण्ड

1. छत्तीसगढ़ी कहिनी - 1. केयूर भूषण - औंसू म फिले अघरा,

2. डॉ. परदेरी राम वर्मा - लोहार बारी

2. छत्तीसगढ़ी निबंध - 1. लखन लाल गुप्त - सोनपान

2. डॉ. सत्यभामा आदिल - सीख - सीख के मोठ

अंक विभाजन-

3 व्याख्याएं 21 अंक

2 आलोचनात्मक प्रश्न 24 अंक

3 लघु उत्तरीय प्रश्न 15 अंक

15 अति लघु उत्तरीय प्रश्न 15 अंक

कुल - 75 अंक

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संदर्भ ग्रन्थ-

1. छत्तीसगढ़ी भाषा और साहित्य, संपादक - डॉ. सत्यभामा आहिल (प्रकाशक-विकल्प प्रकाशन, रायपुर, छ.ग.)
2. जनपदीय भाषा-साहित्य छत्तीसगढ़ी, संपादक- डॉ. सत्यभामा आहिल (प्रकाशक-छत्तीसगढ़ राज्य हिंदी ग्रन्थ अकादमी वि.वि. परिसर, रायपुर, छ.ग.)
3. मानक छत्तीसगढ़ी व्याकरण - घनश्याम चंद्रकार
4. छत्तीसगढ़ी की व्याकरणिक कठिनाईयां - डॉ. चितरंजन वर
5. छत्तीसगढ़ी भाषा, साहित्य व संस्कृति के विकास में डॉ. विनय पाठक का योगदान-डॉ. मनीष कुमार दीवान, छत्तीसगढ़ टुडे पब्लिकेशन, रायपुर

पाठ्यक्रम अध्ययन की परिलक्षितियाँ (CLO) :

इस पाठ्यक्रम का अध्ययन करने के पश्चात् विद्यार्थी -

1. छत्तीसगढ़ी भाषा और संस्कृति के प्रति अभिमुख होंगे।
2. छत्तीसगढ़ी भाषा के स्वरूप का सामान्य परिचय प्राप्त होगा।
3. लोक साहित्य एवं उसकी विभिन्न विधाओं से परिचय होगा।
4. छत्तीसगढ़ी लोक संस्कृति के प्रति जागरूकता का विकास होगा।
5. छत्तीसगढ़ी समकालीन साहित्य से परिचय होगा।
6. छत्तीसगढ़ी भाषा के संरचनात्मक एवं प्रयोजनात्मक पक्ष से परिचित होंगे।
7. छत्तीसगढ़ी के सामाजिक जीवन एवं संस्कृति तथा भाषा व्यवहार से परिचय होगा।
8. छत्तीसगढ़ी भाषा के क्षेत्र में करियर बनाने के इच्छुक विद्यार्थियों को तैयार करना।
9. राज्य स्तरीय प्रतियोगी परीक्षाओं के लिए विद्यार्थियों को तैयार करना।

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इकाई विभाजन :

इकाई एक	- हिंदी भाषा का स्वरूप- विकास (खण्ड-क)	18 कालखण्ड
इकाई दो	-हिंदी का शब्द भंडार (खण्ड-क, का अंतिम भाग)	18 कालखण्ड
इकाई तीन	-हिंदी साहित्य का इतिहास (खण्ड-ख एवं ग)	18 कालखण्ड
इकाई चार	-काव्यांग- रस, छंद, अलंकार (खण्ड-घ)	18 कालखण्ड
इकाई पाँच	-लघुत्तरीय एवं वस्तुनिष्ठ प्रश्न (सम्पूर्ण पाठ्यक्रम से)	18 कालखण्ड

संदर्भ ग्रंथ :

- 1.हिंदी साहित्य का इतिहास - स. डॉ. सुनील त्रिवेदी एवं बाबूलाल शुक्ल, (प्रकाशक- म.प्र. उच्च शिक्षा अनुदान आयोग)
- 2.राजभाषा हिंदी -मलिक मोहम्मद (प्रभात प्रकाशन दिल्ली)
- 3.हिंदी भाषा - डॉ. भोलानाथ तिवारी
- 4.हिंदी भाषा साहित्य का इतिहास तथा काव्यांग विवेचन - डॉ. प्रतिभा चतुर्वेदी, डॉ. हरिमोहन बुधोलिया (प्रकाशक-मध्यप्रदेश हिंदी ग्रन्थ अकादमी)

पाठ्यक्रम अध्ययन की परिलक्षियों (CLO)

1. हिंदी भाषा के आधारभूत ज्ञान प्राप्ति के साथ, हिंदी के विविध रूपों से अवगत करना।
2. हिंदी के शब्द भंडार से परिचित करना जिससे विद्यार्थियों की भाषा समृद्ध और परिमार्जित हो सके।
3. भाषा साहित्य तथा संस्कृति के प्रति विद्यार्थियों की समझ और विवेक को विकसित करना।
4. हिंदी साहित्य के इतिहास की संक्षिप्त जानकारी देकर विद्यार्थियों को साहित्य की प्रमुख युगीन प्रवृत्तियों के साथ विकास क्रम से अवगत करना तथा उस काल की ऐतिहासिक, सामाजिक, सांस्कृतिक पृष्ठभूमि से भी परिचित करना।
5. काव्यांग विवेचन में अलंकारों और छंदों का अध्ययन कर भाषा के सौंदर्य के साथ-साथ, काव्य- परंपरा को भी समृद्ध करना।

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Part - I
SYLLABUS FOR ENVIRONMENTAL STUDIES AND HUMAN RIGHTS
(Paper code-0828)

MM. 75

इन्वार्मेंटल साईसेस के पाठ्यक्रम को स्नातक स्तर भाग-एक की कक्षाओं में विश्वविद्यालय अनुदान आयोग के निर्देशानुसार अनिवार्य रूप से शिक्षा सत्र 2003-2004 (परीक्षा 2004) से प्रभावशील किया गया है। स्वशासी महाविद्यालयों द्वारा भी अनिवार्य रूप से अंगीकृत किया जाएगा।

भाग 1, 2 एवं 3 में से किसी भी वर्ष में पर्यावरण प्रश्न-पत्र उत्तीर्ण करना अनिवार्य है। सभी उपाधि प्रदाय योग्य होगी।

पाठ्यक्रम 100 अंकों का होगा, जिसमें से 75 अंक सैद्धांतिक प्रश्नों पर होंगे एवं 25 अंक क्षेत्रीय कार्य (Field Work) पर्यावरण पर होंगे।

सैद्धांतिक प्रश्नों पर अंक - 75 (सभी प्रश्न इकाई आधार पर रहेंगे जिसमें विकल्प रहेगा)

- | | |
|----------------------|----------|
| (अ) लघु प्रश्नोंत्तर | - 25 अंक |
| (ब) निबंधात्मक | - 50 अंक |

Field Work - 25 अंकों का मूल्यांकन आंतरिक मूल्यांकन पद्धति से कर विश्वविद्यालय को प्रेषित किया जाएगा। अभिलेखों की प्रायोगिक उत्तर पुरितकार्यों के सम्बन्धित महाविद्यालयों द्वारा सुरक्षित रखेंगे।

उपरोक्त पाठ्यक्रम से संबंधित परीक्षा का आयोजन वार्षिक परीक्षा के साथ किया जाएगा।

पर्यावरण विज्ञान विषय अनिवार्य विषय है, जिसमें अनुत्तीर्ण होने पर स्नातक स्तर भाग-एक के छात्र/छात्राओं को एक अन्य विषय के साथ पूरक की पात्रता होगी। पर्यावरण विज्ञान के सैद्धांतिक एवं फील्ड वर्क के संयुक्त रूप से 33 (तीस प्रतिशत) अंक उत्तीर्ण होने के लिए अनिवार्य होंगे।

स्नातक स्तर भाग-एक के समस्त नियमित/भूतपूर्व/अमहाविद्यालयीन छात्र/छात्राओं को अपना फील्ड वर्क सैद्धांतिक परीक्षा की समाप्ति के पश्चात् 10 (दस) दिनों के भीतर संबंधित महाविद्यालय/परीक्षा केन्द्र में जमा करेंगे एवं महाविद्यालय के प्राचार्य/केन्द्र अधिसूक्त, परीक्षकों की नियुक्ति के लिए अधिकृत रहेंगे तथा फील्ड वर्क जमा होने के सात दिनों के भीतर प्राप्त अंक विश्वविद्यालय को भेजेंगे।

UNIT-I THE MULTI DISCIPLINARY NATURE OF ENVIRONMENTAL STUDIES

Definition, Scope and

Importance Natural Resources:

Renewable and Nonrenewable Resources

- (a) Forest resources: Use and over-exploitation, deforestation, Timber extraction, mining, dams and their effects on forests and tribal people and relevant forest Act.
- (b) Water resources: Use and over-utilization of surface and ground water, floods drought, conflicts over water, dam's benefits and problems and relevant Act.
- (c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources.
- (d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity.
- (e) Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources.
- (f) Land resources: Land as a resource, land degradation, man induced landslides soil erosion and desertification.

(12 Lecture)

UNIT-II ECOSYSTEM

(a) Concept, Structure and Function of and ecosystem

- Producers, consumers and decomposers.
- Energy flow in the ecosystem
- Ecological succession
- Food chains, food webs and ecological pyramids.
- Introduction, Types, Characteristics Features, Structure and Function of Forest, Grass, Desert and Aquatic Ecosystem.

(b) Biodiversity and its Conservation

- Introduction - Definition: genetic, species and ecosystem diversity
- Bio-geographical classification of India.
- Value of biodiversity: Consumptive use, Productive use, social ethics, aesthetic and option values.
- Biodiversity at global, National and local levels.
- India as mega-diversity nation.

- Hot spots of biodiversity.
- Threats to biodiversity: habitat loss, poaching of wildlife, man-wild life conflict.
- Endangered and endemic species of India.
- Conservation of biodiversity: In situ and Ex-situ conservation of biodiversity.

(12 Lecture)

UNIT- III

(a) Causes, effect and control measures of

- Air water, soil, marine, noise, nuclear pollution and Human population.
- Solid waste management: Causes, effects and control measures of urban and industrial wastes.
- Role of an individual in prevention of pollution.
- Disaster Management: floods, earthquake, cyclone and landslides.

(12 Lecture)

(b) Environmental Management

- From Unsustainable to sustainable development.
- Urban problems related to energy.
- Water conservation, rain water harvesting, watershed management.
- Resettlement and rehabilitation of people, its problems and concerns.
- Environmental ethics: Issues and possible solutions.
- Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust.
- Wasteland reclamation
- Environment protection Act: Issues involved in enforcement of environmental legislation.
- Role of Information Technology in Environment and Human Health.

UNIT- IV

General background and historical perspective- Historical development and concept of Human Rights, Meaning and definition of Human Rights, Kind and Classification of Human Rights. Protection of Human Rights under the UNO Charter, protection of Human Rights under the Universal Declaration of Human Rights, 1948. Convention on the Elimination of all forms of Discrimination against women. Convention on the Rights of the Child, 1989.

UNIT- V

Impact of Human Rights norms in India, Human Rights under the Constitution of India, Fundamental Rights under the Constitution of India, Directive Principles of State policy under the Constitution of India, Enforcement of Human Rights in India. Protection of Human Rights under the Human Rights Act, 1993- National Human Rights Commission, State Human Rights Commission and Human Rights court in India. Fundamental Duties under the Constitution of India.

Reference/ Books Recommended

1. SK Kapoor- Human rights under International Law and Indian Law.
2. HO Agrawal- Internation Law and Human Rights
3. एस.के. कपूर – मानव अधिकार
4. जे.एन. पण्डेय – भारत का संविधान
5. एम.डी. चतुर्वेदी –भारत का संविधान
6. J.N.Pandey - Constitutional Law of India
7. Agarwal K.C. 2001 Environmental Biology, Nidi pub. Ltd. Bikaner
8. Bharucha Erach, the Biodiversity of India, Mapin pub. Ltd. Ahmedabad 380013, India, Email: mapin@icenet.net(R)
9. Bruinner R.C. 1989, Hazardous Waste Incineration. McGraw Hill Inc.480p
10. Clark R.S. Marine pollution, Clanderson press Oxford (TB)
11. Cuningham, W.P.Cooper. T.H.Gorhani, E & Hepworth. M.T,200
12. Dr. A.K.- Environmental Chemistry. Wiley Eastern Ltd.
13. Down to Earth, Center for Science and Environment (R)
14. Gloick, H.P. 1993 Water in crisis. pacific institute for studies in Deve. Environment & Security. Stockholm Eng. Institute. Oxford University, Press. m 473p.
15. Hawkins R.E. Encyclopedia of Indian Natural History, Bombay Natural History Society, Mumbai (R)

16. Heywood, V.H. & Watson, T.T. 1995 Global Biodiversity Assessment, Cambridge Univ. Press 1140p
17. Jadhav H. & Bhosale, V.H. 1995 Environmental Protection and Law. Himalaya pub. House, Delhi 284p
18. Mckinney M.L. & School R.M. 1996, environmental Science systems & solutions, web enhanced edition, 639p
19. Mhadkar A.K. Matter Hazardous, Techno-Science publication(TB)
20. Miller T.G.Jr. Environment Science, Wadsworth publication co. (TB)
21. Odum E.P. 1971, Fundamentals of Ecology, W.B. Saunders Co. USA, 574p
22. Rao M.N. & Datta, A.K. 1987, Waste water treatment. Oxford & IBH pub.co.pvt. Ltd 345p
23. Sharma B.K. 2001, Environmental chemistry, Goel pub. House, Meerut
24. Survey of the Environment, The Hindu(M)
25. Townsend C. Harper J. And Michael Begon, Essentials of Ecology, Blackwell Science(TB)
26. Trivedi R.K. Handbook of Environment Laws, Rules, Guidelines, Compliances and Standards, Vol I and II, Environment Media(R)
27. Trivedi R.K. and P.K. Goel, Introduction to air pollution, Techno-Science publication (TB)
28. Wanger K.D. 1998, Environmental Management. W.B. Saunders Co. Philadelphia, USA 499

B.A. Part III
English Literature
Paper-I
Indian Writings in English

Total Credits: 5

Total Marks: 75

(i) Unit – I of Annotation is compulsory. Two passages from each unit (Unit II to V) to be set and three to be attempted.

3x5=15

(ii) Very short answer type questions to be set from Unit VII, seven to be set, five to be attempted.

5x2= 10

(iii) Long answer questions from Unit-II to Unit-VI. Five questions from each unit to be set with internal choices. Word Limit for each answer 300 to 400 words.

5x10=50

Unit I : Annotations from unit II to Unit V.

Unit II : Poetry

15 periods. 1 credit

Toru Dutt	: Our Casuarina Tree
Rabindranath Tagore	: Song 1 & 103 from 'Gitanjali'
Sarojini Naidu	: The Ecstasy, The Lotus
Kamala Das	: The Old PlayHouse
Jayant Mahapatra	: Dawn at Puri
A.K. Ramanujan	: A River

Unit III: Prose

15 periods. 1 credit

(a) Jawaharlal Nehru	: The Relationships of Languages; Language Writing and Numerals
(b) Dr. S. Radhakrishnan	: The Call of the Suffering

Unit IV : Drama

15 periods. 1 credit

(a) Girish Karnad	: Hayavadana
(b) Vijay Tendulkar	: Silence! The Court is in session

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Unit V: Folk Literature of Chhattisgarh. 13 periods. 1 credit

- (a) Habib Tanveer : Charandas Chor
(b) Elwin Verrier : The Folk Songs of Chhattisgarh
The Ballad of Lorik and Chandaini

Unit VI : Fiction 10 periods. 0.5 credit

- (a) R.K. Narayan : The Guide
(b) V.S. Naipaul : The House for Mr. Biswas

Unit VII : 05 periods. 0.5 credit

- Mysticism
- Imagery
- Myth
- Indian Feminism
- Archetype
- Regional Novel
- Confessional Poetry
- Diaspora Literature
- Folk Songs of Chhattisgarh
- Folk Theatre

Recommended reading:

1. K.R. Srinivasa Iyengar : Indian Writings in English
2. Birjadesh Prasad. : A Background to the Study of English Literature
3. M.K. Naik : Aspects of Indian Writing in English (Macmillan)
4. Parthasarthy, R. (ed.). : Ten Twentieth Century Indian Poets
5. M.H. Abrams : A Glossary of Literary Terms

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B.A. Part III
English Literature
Paper-II (A)
American Literature

Total Credits: 5

Total Marks : 75

(i) Unit – I of Annotation is compulsory. Two passages from each unit (Unit II to V) to be set and three to be attempted.

3x5=15

(ii) Very short answer type questions to be set from Unit VII, seven to be set, five to be attempted.

5x2= 10

(iii) Long answer questions from Unit-II to Unit-VI. Five questions from each unit to be set with internal choices. Word Limit for each answer 300 to 400 words.

5x10=50

Unit I: Annotations from unit II to Unit V.

Unit II: Poetry

15 periods. 1 credit

(a) Walt Whitman

: O Captain! My Captain!

Passage to India

(b) Edgar Allan Poe

: The Bells

Bridal Ballad

Unit III: Poetry

15 periods. 1 credit

(a) Emily Dickinson

: Hope is the Thing with Feathers

I Felt a Funeral in My Brain

(b) E. E. Cummings

: The Cambridge Ladies

As Freedom is a Breakfast Food

Unit IV: Prose

15 periods. 1 credit

(a) Emerson

: Self Reliance

(b) Thoreau

: Civil Disobedience

Unit V: Drama

15 periods. 1 credit

(a) Arthur Miller

: All My Sons

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(b) Eugene O'Neil

: The Hairy Ape

Unit VI: Fiction

10 periods

0.5 credit

(a) Ernest Hemingway

: For Whom the Bell Tolls

(b) Mark Twain

: Adventures of Huckleberry Finn

Unit VII

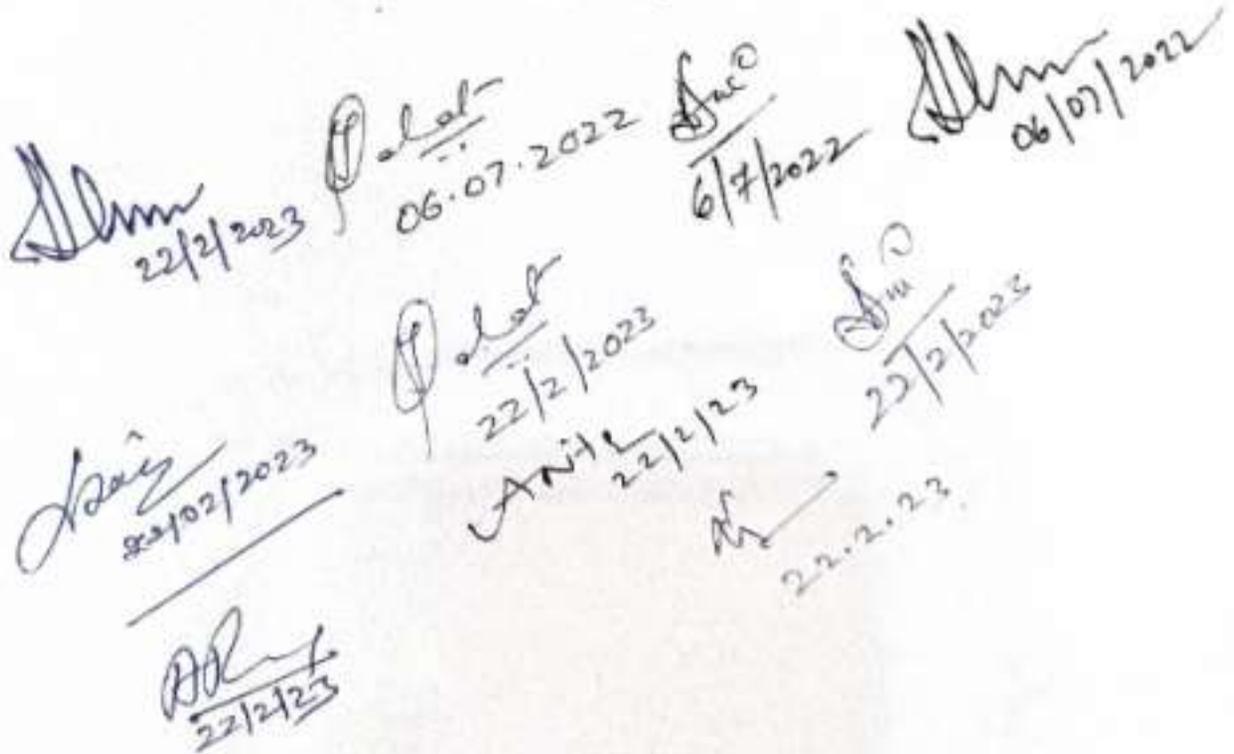
05 periods.

0.5 credit

- Naturalism
- Realism
- Art for Art's Sake
- Expressionism
- Symbolism
- American Renaissance
- Existentialism
- Stream of Consciousness

Recommended reading:

1. S. Bradley : The American Tradition in Literature
2. Robert P. Weeks : Hemingway: A Collection of Critical Essays
3. Henry Nash Smith : Mark Twain: twentieth Century Views
4. John Gassner (ed.) : Best American Plays (Several Different Anthologies)



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B.A. Part III
English Literature
Paper-II (B)
Twentieth Century Literature in English

Total Credits: 5

Total Marks: 75

(i) Unit – I of Annotation is compulsory. Two passages from each unit (Unit II to V) to be set and three to be attempted.

3x5=15

(ii) Very short answer type questions to be set from Unit VII, seven to be set, five to be attempted.

5x2= 10

(iii) Long answer questions from Unit-II to Unit-VI. Five questions from each unit to be set with internal choices. Word Limit for each answer 300 to 400 words.

5x10=50

Unit I: Annotations from unit II to Unit V.

Unit II: Poetry

T. S. Eliot

15 periods. 1 credit

: Journey of Maggi
A Cooking Egg

Unit III: Poetry

Stephen Spender

15 periods 1 credit

: Pylons
A Father in Time of War
: In Memory of W. B. Yeats
Partition

(b) Unit IV: Prose

(a) Virginia Woolf
(b) Graham Greene

15 periods. 1 credit

: The Death of the Moth
: The Lost Childhood

Unit V: Drama

(a) Henrik Ibsen
(b) T. S. Eliot

15 periods. 1 credit

: Ghosts
: Murder in the Cathedral

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Unit VI: Fiction

- (a) Joseph Conrad
- (b) Chinua Achebe

10 periods. 0.5 credit

- : Heart of Darkness
- : Things Fall Apart

Unit IIV

05 periods 0.5 credit

- The Two World Wars
- The Russian Revolution
- The Great Depression
- The Vietnam War
- Poetic Drama
- Absurdism
- Modernism and Postmodernism
- New Development in Fiction and Drama

Recommended reading:

1. Michael Roberts (ed.) : The Faber Book of Modern verse
2. William J. Long : English Literature
3. William Hutchings : Samuel Beckett's Waiting for Godot: A Reference Guide
4. Charles Carrington : Rudyard Kipling- His Life and Works
5. Edward Quinn : Critical Companion to George Orwell: A literary Reference to His Life and Works

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**B.A. PART III
ENGLISH LITERATURE**

The duration of the B.A. Third year Literature course will be of one academic year

Course Title : B.A. Part III, English Literature

Title of the Paper : Paper I - Indian Writings in English

Paper II (A) American Literature

Paper II (B) Twentieth Century Literature in English

S.No	Paper	Paper Name	Maximum	Minimum	Total passing
1	I	Indian Writings in English	75	—	
2	II (A)	American Literature	75	—	Paper I Paper II Total obtained marks =50
3	II (B)	Twentieth Century Literature in English	75		



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B.A. Part III
English Literature
Paper I - Indian Writings in English
Course Outcomes

After completing the course the students will be able to demonstrate :

CO1 - a comprehensive knowledge of the literary works in English produced by Indian writers. This knowledge will include the various literary forms fictional as well as non-fictional employed by the Indian Writers in English and Historical and Literary topics as well.

CO2 - a critical understanding of the poets like Toru Dutt, R.N. Tagore and Sarojini Naidu; playwrights like Girish Karnad and Vijay Tendulkar; non-fictional writers like J.L. Nehru and Dr. S. Radhakrishnan and the novelists like R.K. Narayan.

CO3 - a capacity to compare and contrast the different literary qualities of their writers and critically rank them in evaluative terms.

CO4 - a critical inclination to read literature as a socio-cultural document.

CO5 - a research tendency to go for innovative studies of Indian Writing in English in the Postcolonial light of the latest research insights.

CO6 - a socio-political sense of responsibility to stand up against colonising human tendencies.

CO7 - a visible literary- critical bent towards understanding life through literature and vice-versa

CO8 - to get an insight of knowledge of folk culture through folk literature and to imbibe local values and ethos.

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B.A. Part III
English Literature
Paper II (A) - American Literature
Course Outcomes

After completing the course the students will be able to demonstrate :

CO1 - a comprehensive knowledge of the literary works in English produced by American writers. This knowledge will include the various literary forms fictional as well as non-fictional employed by the American Writers in English.

CO2 - a critical understanding of the poets like E.A.Poe, Walt Whitman, E. Dickinson, Cummings; playwrights like Eugene O'Niell and Arthur Miller; non-fictional writers like Emerson and Thoreau and the novelists like Mark Twain and Ernest Hemingway.

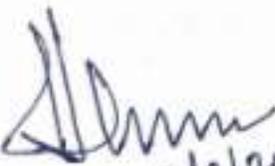
CO3 - a capacity to compare and contrast the different literary qualities of their writers and critically rank them in evaluative terms.

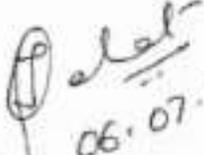
CO4 - a critical inclination to read literature as a socio-cultural document.

CO5 - a research tendency to go for innovative studies of American Literature in the Postcolonial light of the latest research insights.

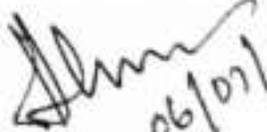
CO6 - a socio-political sense of responsibility to stand up against colonising human tendencies.

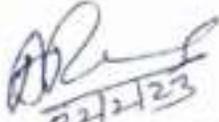
CO7 - a visible literary- critical bent towards understanding life through literature and vice-versa.

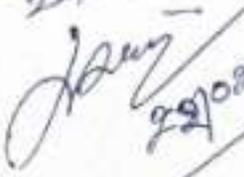

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Course Outcome

विश्वप्रसिद्ध नाटक की काव्यगत विशेषताओं की जानकारी मिलेगी।
 अभिनय कला के कलात्मक तथा भावात्मक पक्ष का ज्ञान होगा।
 व्याकरण के प्रत्यय-अनुशीलन से पद-व्युत्पत्ति का बोध-विस्तार होगा।
 भाषिक क्षमता की वृद्धि होगी।
 छत्तीसगढ़ के तीर्थ-स्थलों के अनुशीलन से प्रदेश के भौगोलिक-धार्मिक वैशिष्ट्य का ज्ञान प्राप्त होगा।

बी.ए. तृतीय वर्ष

प्रथम प्रश्नपत्र - नाटक, व्याकरण तथा छत्तीसगढ़ी तीर्थ-वैभव Paper Code - Y105

पूर्णांक- 60

प्रस्तावित व्याख्यान 90

6 Credit

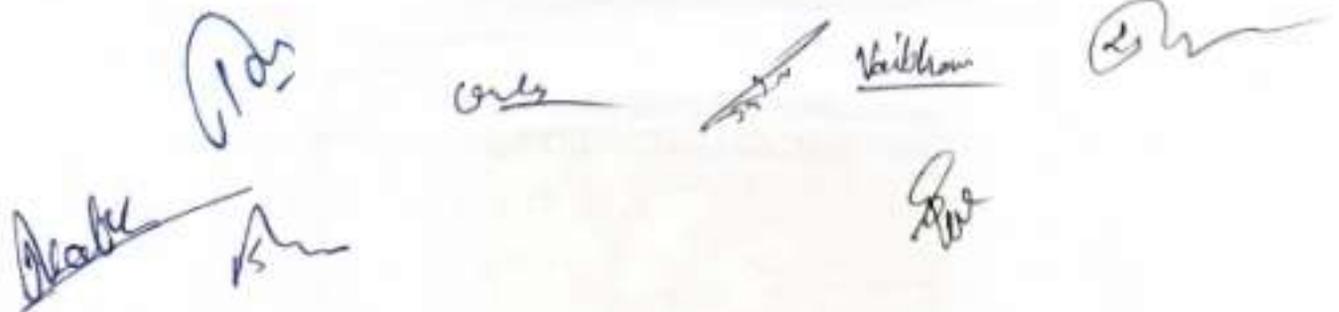
इकाई	पाठ्यविषय	व्याख्यान-संख्या
1	अभिज्ञानशाकुन्तलम् (1 से 4 अंक तक) (अंक 1 तथा 4 से व्याख्या तथा समीक्षात्मक प्रश्न)	20
2	अभिज्ञानशाकुन्तलम् (5 से 7 अंक तक) (अंक 5 तथा 7 से व्याख्या तथा समीक्षात्मक प्रश्न)	20
3	व्याकरण - कृत् प्रत्यय - तव्यत्, अनीयर्, यत्, क्यप्, ण्यत्, शतृ, शानच्, क्त्वा, ल्यप्, तुमुन्, क्त, क्तवत्, ण्वुल्, तृच्, ल्युट्, अण्। स्त्रीप्रत्यय - टाप्, डीप्, डीष्, डीन्। (लघुसिद्धान्तकौमुदी से अध्येतव्य)	20
4	व्याकरण - तद्धितप्रत्यय - अण्, ङक्, ष्यञ्, त्व, तल्, इमनिच्, ठक्, इञ्, मतुप्, इनि, इतच्, ईयसुन्, इष्ठन्, तरप्, तमप्, ण्य, यञ्। (लघुसिद्धान्तकौमुदी से अध्येतव्य)	15
5	छत्तीसगढ़ के प्रमुख तीर्थस्थल - सिरपुर, राजिम, डोंगरगढ़, सिहावा, दन्तेवाड़ा, खल्लारी, शिवरीनारायण, चम्पारण्य, तुरतुरिया, लाफागढ़, रतनपुर, कबीरधाम, दामाखेड़ा, गिरौदपुरी, सामरबार (जशपुर)।	15

A collection of handwritten signatures and initials in blue ink, including the name 'Vaibhan' written in a stylized font.

अनुशंसितग्रन्थ -

1. अभिज्ञानशाकुन्तलम् - डा. वासुदेव कृष्ण चतुर्वेदी, प्रकाशक - महालक्ष्मी प्रकाशन, आगरा
2. अभिज्ञानशाकुन्तलम् - सुबोधचन्द्र पंत, प्रकाशक - मोतीलालबनारसीदास, दिल्ली
3. लघुसिद्धान्तकौमुदी - श्रीधरानन्दशास्त्री, प्रकाशक - मोतीलालबनारसीदास, दिल्ली
4. लघुसिद्धान्तकौमुदी - श्री महेशसिंहकुशवाहा, प्रकाशक-चौखम्बाविद्याभवन, वाराणसी
5. लघुसिद्धान्तकौमुदी - डा. प्रभाकर मिश्र, प्रकाशक-चौखम्बाविद्याभवन, वाराणसी
6. शीघ्रबोधव्याकरणम् - डा. पुष्पादीक्षित, पाणिनीयशोधसंस्थान, तेलीपारा, बिलासपुर

मूल्यांकन योजना		(अधिकतम अंक 75)
विश्वविद्यालयीन परीक्षा	पाँचों इकाई से पाठ्य-विषय अनुसार विकल्प सहित 12-12 अंकों के प्रश्न पूछे जायेंगे। 5 x 12 = 60	60 अंक
आन्तरिक (सतत व्यापक मूल्यांकन)	पाठ्यक्रम सम्बन्धित-परियोजना / असाइनमेंट / पेपर प्रेजेंटेशन / आवधिक परीक्षण इकाई 3 तथा 4 (व्याकरण) से मौखिकी	15 अंक 10 अंक 5 अंक



Course Outcome

आदिकाव्य रामायण महाकाव्य के अनुशीलन से भारतीय सांस्कृतिक चेतना का प्रसार तथा चारित्रिक आदर्श की प्रेरणा प्राप्त होगी।

महाभारत-आधारित ग्रन्थानुशीलन से कथा-परिचय सह राजनीतिक सूझ का विकास होगा।

छन्दों के ज्ञान से मौलिक काव्य-निर्माण की योग्यता विकसित होगी।

अलंकार-ज्ञान से मौलिक कल्पना तथा चिन्तन को विस्तार मिलेगा।

संस्कृत भाषा में निबन्ध, समाचार आदि लेखन-क्षमता से व्यावसायिक अवसर उपलब्ध होगा।

बी.ए. तृतीय वर्ष

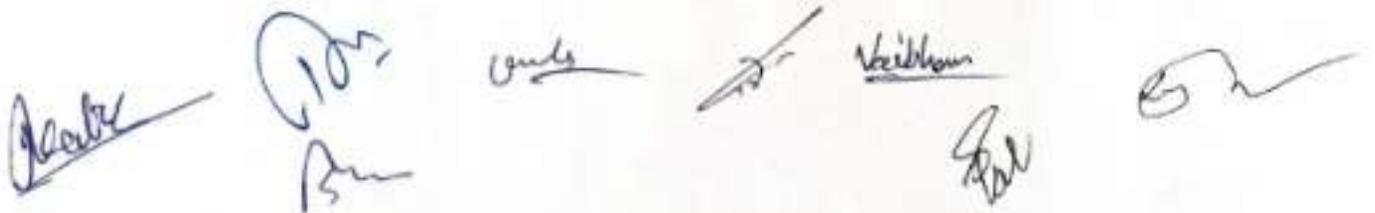
द्वितीय प्रश्नपत्र - काव्य, काव्यविधान तथा लेखनकौशल Paper Code - Y106

पूर्णांक- 60

प्रस्तावित व्याख्यान 90

6 Credit

इकाई	पाठ्यविषय	व्याख्यान-संख्या
1	किरातार्जुनीयम् (भारवि) प्रथमसर्ग (व्याख्या तथा आलोचनात्मक प्रश्न)	20
2	वाल्मीकीय रामायण- बालकाण्ड, प्रथम तथा द्वितीय सर्ग (व्याख्या तथा आलोचनात्मक प्रश्न)	20
3	छन्दःशास्त्रम् - अनुष्टुप्, इन्द्रवज्रा, उपेन्द्रवज्रा, उपजाति, वंशस्थ, आर्या, मालिनी, शिखरिणी, वसन्ततिलका, शार्दूलविक्रीडित, स्रग्धरा, मन्दाक्रान्ता, भुजंगप्रयातम्। (उक्त छन्दों के लक्षण के साथ उदाहरण पाठ्यक्रमों से भी दिये जा सकते हैं।)	15
4	अलंकार - अनुप्रास, यमक, शब्दश्लेष, उपमा, रूपक, उत्प्रेक्षा, अनन्वय, अर्थान्तरन्यास, स्वभावोक्ति, अतिशयोक्ति, दीपक, विभावना, विशेषोक्ति, अपहनुति, दृष्टान्त, निदर्शना, प्रतिवस्तूपमा, सन्देह, भ्रान्तिमान्, काव्यलिंग।	15



	(टिप्पणी - उक्त अलंकारों के लक्षण चन्द्रलोक, काव्यप्रकाश अथवा साहित्यदर्पणसे अध्येतव्य हैं, उदाहरण पाठ्यपुस्तकोंसे भी दिये जा सकते हैं।)	
5	संस्कृतभाषा में निबन्ध, समाचारलेखन, पत्रलेखन। (15 वाक्यों में)	20

अनुशंसितग्रन्थ -

1. किरातार्जुनीयम् (प्रथम सर्ग) - डा. राजेन्द्र मिश्र, प्रकाशक - सरस्वती प्रकाशन मन्दिर इलाहाबाद
2. वाल्मीकीय रामायण, प्रकाशक- गीताप्रेस गोरखपुर
3. छन्दोमंजरी - डा. ब्रह्मानन्द त्रिपाठी, प्रकाशक - चौखम्बा सुरभारती, वाराणसी
4. काव्यप्रकाश- आचार्य विश्वेश्वर, प्रकाशक - ज्ञानमण्डल लिमिटेड, वाराणसी
5. चन्द्रालोक - ललन मिश्र, प्रकाशक - चौखम्बा पब्लिशर्स, दिल्ली
6. संस्कृतनिबन्धशतकम् - डा. कपिलदेवद्विवेदी, प्रकाशक - चौखम्बाप्रकाशन, वाराणसी
7. निबन्धपारिजात - डा. रजनीकान्तलहरी, चौखम्बाप्रकाशन, वाराणसी
8. प्रबन्धरत्नाकर - डा. रमेशचन्द्रशुक्ल, चौखम्बाप्रकाशन, वाराणसी
9. रचनानुवादकौमुदी - डा. कपिलदेवद्विवेदी, प्रकाशक - चौखम्बाप्रकाशन, वाराणसी

मूल्यांकन योजना		(अधिकतम अंक 75)
विश्वविद्यालयीन परीक्षा	पाँचों इकाई से पाठ्य-विषय अनुसार विकल्प सहित 12-12 अंकों के प्रश्न पूछे जायेंगे। 5 x 12 = 60	60 अंक
आन्तरिक (सतत व्यापक मूल्यांकन)	पाठ्यक्रम सम्बन्धित-परियोजना / असाइनमेंट / पेपर प्रेजेंटेशन / आवधिक परीक्षण 10 अंक इकाई 3 (छन्दःशास्त्रम्) तथा इकाई 4 (अलंकार) से मौखिकी 5 अंक	15 अंक

पाठ्यक्रम
दर्शन शास्त्र
बी.ए. अंतिम वर्ष
प्रथम प्रश्न पत्र

तर्क शास्त्र अंक - 75

सू.क्र.	विषय वस्तु	प्रस्तावित व्याख्यान - 75
1	1. तर्कशास्त्र - अर्थ, परिभाषा, मूल 2. आगमन तर्क तथा निष्पन्न तर्क 3. अनुमान : अर्थ तथा प्रकार - न्याय, जैन एवं बौद्ध के अनुसार 4. असाकारिक दोष	15
2	1. सत्यता एवं वैधता 2. निरपेक्ष तर्कवाक्य, A, E, I, O प्रकार, उदाहरण 3. निरपेक्ष न्याय वाक्यों के मानक आकार एवं न्याय वाक्यों के परीक्षण हेतु वेन रेखा पद्धति 4. आकारिक तर्कदोष	16
3	1. तार्किक संयोजन तथा सत्यता सारिणी सिद्धि 2. संयोजक, निषेधक, विधोजक, आभादान, द्विजाभादान	18
4	1. प्राक्कल्पना 2. विज्ञान तथा प्राक्कल्पना 3. वैज्ञानिक व्याख्या - अर्थ, विशेषताएं 4. वैज्ञानिक तथा अवैज्ञानिक व्याख्या में अंतर	14
5	1. न्याय तर्क शास्त्र के अनुसार - अ. प्रमा ब. अप्रमा 2. हेतुवाचस	12

कोर्स आउटकम : तर्कशास्त्र तर्क परंपरा तथा सत्यता एवं वैधता का ज्ञान विद्यार्थी को प्रदान करता है।

6-7-22

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Unit	Subject Matter	Proposed Lectures
1	1. Logic – meaning, definition, Importance. 2. Inductive Argument Deductive Argument. 3. Inference (Anuman) meaning and Types- According to Nyaya, Jain & Buddha Logic 4. Informal Fallacies	15
2	1- Truth and validity 2- Categorical syllogism, A,E,I,O Types, Examples 3- Venn diagram technique of testing the validity of syllogism 4- Formal Fallacies	16
3	1- Truth – functions and truth table method . 2- Conjunction, Negation, disjunction, implication, equivalence.	18
4	1. Hypothesis 2. Science & Hypothesis 3. Scientific explanation – Meaning, characteristics 4. Difference between Scientific and Un Scientific explanation.	14
5	1- According to Nyaya Logic A- Prama B- Aprama 2- Hetvabhas	12

Course Outcome: Logic provides the student with the knowledge of logic tradition and truth and validity.

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06.7.2022

पाठ्यक्रम
दर्शन शास्त्र
बी.ए. अंतिम वर्ष
द्वितीय प्रश्न पत्र

समाज दर्शन अंक - 75

इकाई	विषय वस्तु	प्रस्तावित व्याख्यान-75
1	1. समाज दर्शन का स्वरूप, समाज दर्शन का महत्व, दर्शन शास्त्र का समाज दर्शन से संबंध	16
2	1. सामाजिक संस्थाएँ - परिवार, समाज, समाज की उत्पत्ति के विभिन्न सिद्धांत 2. वर्गात्मक व्यवस्था, पूंजीवाद	14
3	1. मनुष्य और समाज - आदर्शवाद, उपयोगितावाद, फलवाद, यथार्थवाद, उदारवाद 2. सामाजिक मूल्य	14
4	1. लोकतंत्र, सर्वोपकारवाद, समाजवाद, साम्यवाद, फासिस्टवाद, अराजकतावाद 2. गांधीजी - सर्वोपय, सत्याग्रह, ट्रस्टीशिय 3. विनोबा भावे - मूदान आंदोलन 4. डॉ. अम्बेडकर - संविधानवाद	16
5	समाज व्यवस्था - स्वतंत्रता, समानता, बहुल्य, धार्मिक सहिष्णुता, पंथ निरपेक्षता ।	15

नेट आउटकम : समाज दर्शन सामाजिक विकास एवं उनके सिद्धांतों का ज्ञान विद्यार्थी को प्रदान करता है ।

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Unit	Subject Matter	Proposed Lectures
1	1. Nature of Social Philosophy, Importance of Social Philosophy, relation of Philosophy to Social Philosophy	16
2	1. Social Institution - Family , Society, Different theories of Origin of society. 2. Varnashram System , Purushartha	14
3	1. Man and society - Idealism, Utilitarianism, Pragmatism, Realism, Liberalism. 2. Social Value	14
4	1. Democracy, Totalitarianism, Socialism , Communism, Fascism, Anarchism. 2. Gandhiji- Sarvoday, Satyagrah, Trusteeship 3 Vinoba bhawe - Bhudan Andolan 4 Dr. Ambedkar- Constitutionalism	16
5	Social System - Liberty, Equality, Fraternity, Religious Tolerance, Secularism	15

Course Outcome: Social philosophy provides the student with the knowledge of social development and its principles.

सन्दर्भ ग्रंथ :-

1. समाज दर्शन- सैद्धांतिक एवं समाजवादी विवेचन - डॉ. हृदयनारायण मिश्र
2. समाज दर्शन का सर्वेक्षण - डॉ. शिव गान्धु सिंह
3. सामाजिक - राजनीतिक दर्शन के नये आयाम - डॉ. हृदयनारायण मिश्र
4. भारतीय राजनीतिक चिंतन- डॉ. ए. अग्रवल्ली, डॉ. आर. के. अग्रवल्ली
5. प्राचीन भारतीय सामाजिक एवं राजनीतिक विचार एवं संस्थाएं - डॉ. जी.पी. नेमा एवं डॉ. हरिश्चन्द्र शर्मा
6. आधुनिक भारतीय राजनीतिक चिंतन - डॉ. बी. पी. शर्मा
7. भारतीय राजनीतिक विचारक - योगेन्द्र कुमार शर्मा

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SYLLABUS: ECONOMICS

PART-A, INTRODUCTION			
PROGRAM: Degree	CLASS: B.A. III rd Yr.	YEAR:2026	SESSION:2025-26
SUBJECT: ECONOMICS			
1	PROGRAM CODE:	A3-ECO-DEG	
2	COURSE CODE:	A3-ECO-DEG-DSE-1/1	
3	COURSE TITLE:	Development and Environmental Economics (Core Course)	
4	COURSE LEARNING OUTCOME:	<ol style="list-style-type: none"> 1. It will help the students to know more about growth and development. 2. Students will be benefited by experiencing the population pattern and its impact on the economy. 3. Various topics on environment will enhance the knowledge of nature and environmental disruption. 4. The students will have a deep knowledge of their home state on various aspects of economy. 	
5	TOTAL MARKS: =100	MAX MARKS: 100	MIN PASS MARKS: 34
PART-B, CONTENT OF THE COURSE			
UNIT	TOPICS		
UNIT I- Growth & Development	<ol style="list-style-type: none"> 1. Basic concept of growth and development 2. Obstacles & factors affecting economic growth 3. Developed and under-developed economy 4. Measurement of economic development 5. Human development Index (HDI) 6. World Happiness Index (WHI) 		
UNIT II- Growth Models	<ol style="list-style-type: none"> 1. Theory of demographic transition 2. Marx growth model 3. Schumpeter's growth model 4. Big-Push growth model 		
UNIT III- Growth Models	<ol style="list-style-type: none"> 1. Harrod-Domar growth model 2. Joan Robinson growth model 3. Critical minimum effort model 4. Unlimited supply of labour model 		
UNIT IV- Environment	<ol style="list-style-type: none"> 1. Environmental disruption 2. Evaluation of environmental damage 3. Pollution-land, water, air 4. Environmental education and legislation 5. Sustainable development 6. New technology and sustainable agriculture 		
UNIT V- Economic Development of Chhattisgarh	<ol style="list-style-type: none"> 1. Basic characteristics of CG economy 2. Demographic features of CG 3. Various resources of CG- <ol style="list-style-type: none"> a) Mineral b) Water c) Forest 		

	4. Various forest products in CG 5. Public distribution system in CG 6. Various empowerment schemes in CG-NGGB, Godhan Yojana etc.	
PART-C, LEARNING RESOURCES (BOOKS RECOMMENDED)		
AUTHOR	TITLE	PUBLISHER
Drèze, Jean and Amartya Sen	India: Development and Participation	Oxford University Press
Ghatak, S.	An Introduction to Development Economics	Allen & Unwin London
Jhingan, M.L.	Economics of Development & Planning	Vrinda Publications
Lekhi, R. K.	Economics of Development and Planning	Kalyani Publishers Delhi
Bhattacharya, R.N.	Environmental Economics: An Indian Perspective	Oxford University Press
Mishra, S.K., V.K. Puri	Economics of Development & Planning	Himalaya Publishing House
Sinha, V.C., Dr. Sudha Pandeya	Planning and Economic Development	SBPD
सिंह, एस. पी.	अर्थिक विकास एवं नियोजन	एस. चॉंद & कं. लि
मिश्रा, जे. पी.	संवृद्धि एवं विकास का अर्थशास्त्र	साहित्य भवन पब्लिकेशन्स
सिन्हा, वी.सी.	विकास एवं पर्यावरणीय अर्थशास्त्र	SBPD
SUGGESTED DIGITAL PLATFORM		
1	https://epgp.inflibnet.ac.in	
2	https://vidyamitra.inflibnet.ac.in	
3	https://vidyamitra.inflibnet.ac.in/index.php/search	
4	https://www.swayamprabha.gov.in	
PART-D ASSESSMENT & EVALUATION		
Recommended Continuous Evaluation Methods: Maximum Marks: 100 Continuous Comprehensive Evaluation (CCE): 0 Marks, University Exam (UE): 100 marks		
Internal Assessment: Continuous Comprehensive Evaluation (CCE): 0	Class Test Assignment/Presentation	0 Marks 0 Marks
External Assessment: University Exam Section: 100 Time: 3 hrs.	10 questions (02) from each unit). Attempt one question from each unit.	20 marks each

SYLLABUS: ECONOMICS

PART-A INTRODUCTION			
PROGRAM: Degree	CLASS: B.A. III rd year	YEAR:2026	SESSION: 2025-26
SUBJECT: ECONOMICS			
1	PROGRAM CODE:	A3-ECO-DEG	
2	COURSE CODE:	A3-ECO-DEG-DSE-1/2	
3	COURSE TITLE:	Agricultural Economics (Elective Course)	
4	COURSE LEARNING OUTCOME:	Student after studying Agricultural Economics will develop an understanding of Indian and Chhattisgarh's agricultural Economy. They will be able to understand the rural economy and its problem. This will lead to encourage them choosing agriculture as their professional option.	
5	TOTAL MARKS: =100	MAX MARKS: 100	MIN PASS MARKS: 34
PART-B, CONTENT OF THE COURSE			
UNIT	TOPICS		
UNIT - I	<ol style="list-style-type: none"> 1. Agricultural Economics- Meaning, Nature & Scope of agriculture economics. 2. Role of agriculture in economic development of India. 3. Nature, Scope & Importance of rural economy in India. 4. Rural economic problems of India. 		
UNIT- II	<ol style="list-style-type: none"> 1. Agricultural holdings, Land Use Pattern 2. Land reforms in India 3. Agricultural growth in India- recent trends 4. Inter-regional variations in growth of agricultural product. 5. Main Crops of India. 		
UNIT- III	<ol style="list-style-type: none"> 1. Agricultural indebtedness 2. Agricultural finance- Source, Types & Problems. 3. Agricultural Marketing- Types & Problems. 4. Fluctuations in agricultural prices. 5. Minimum support prices. 		
UNIT - IV	<ol style="list-style-type: none"> 1. Agricultural development in planned periods. 2. Technological development in agriculture. 3. Green revolution. 4. Factors affecting agriculture productivity. 		
UNIT- V	<ol style="list-style-type: none"> 1. Importance of agriculture in Chhattisgarh's economy. 2. Agriculture development in Chhattisgarh. 3. Problems of agriculture in Chhattisgarh- land holding, cropping pattern, land use, irrigation. 4. Agriculture production and productivity in Chhattisgarh. 		

PART-C, LEARNING RESOURCES (BOOKS RECOMMENDED)		
AUTHOR	TITLE	PUBLISHER
Rudra A.	Indian Agricultural Economics- Myths & Reality	Allied Publishers, New Delhi
Joshi, P. C.	Land reforms in India	Allied Publishers, New Delhi
Dantwala, M. L.	Agricultural Development Since Independence	Oxford & BH, New Delhi
Bilgrami, S.A.R.	Agricultural Economics	Himalaya Publishing House, Delhi

SUGGESTED DIGITAL PLATFORM

1	https://www.swayamprabha.gov.in/index.php
2	https://vidyavitra.inflibnet.ac.in/index.php
3	https://eggp.inflibnet.ac.in/Home/ViewSubject
4	Various YouTube Channels for various topics

PART-D ASSESSMENT & EVALUATION

Recommended Continuous Evaluation Methods:		
Maximum Marks: 100		
Continuous Comprehensive Evaluation (CCE): 0 Marks, University Exam (UE):100 marks		
Internal Assessment: Continuous Comprehensive Evaluation (CCE):0	Class Test Assignment/Presentation	0 Marks 0 Marks
External Assessment: University Exam Section:100 Time: 3 hrs.	10 questions (02) from each unit). Attempt one question from each unit.	20 marks each

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Shukla, S.M. & S.P. Sahay	Quantitative Methods	Sahitya Bhawan
Hooda, R.P.	Statistics for Business & Economics	Macmillan
Sancheti, D.C.	Quantitative Methods	Vrinda Publications
नागर, कैलाशनाथ	सांख्यिकी के मूल तत्व	मीनाक्षी पब्लिकेशन
सिंह, एन. पी.	सांख्यिकी सिद्धांत एवं व्यवहार	एस. चौद एंड कं.
शुक्ला, एन.एम्. एवं एस.पी. महाय	सांख्यिकी के सिद्धांत	साहित्य भवन पब्लिकेशन
गुला, वी.एन.	सांख्यिकी	साहित्य भवन पब्लिकेशन

SUGGESTED DIGITAL PLATFORM

1	https://www.swayamprabha.gov.in/index.php
2	https://vidyamitra.inflibnet.ac.in/index.php
3	https://epp.inflibnet.ac.in/Home/ViewSubject
4	Various YouTube Channels for various topics

PART-D ASSESSMENT & EVALUATION

Recommended Continuous Evaluation Methods:

Maximum Marks: 100

Continuous Comprehensive Evaluation (CCE): 0 Marks, University Exam (UE): 100 marks

Internal Assessment: Continuous Comprehensive Evaluation (CCE): 0	Class Test Assignment/Presentation	0 Marks 0 Marks
External Assessment: University Exam Section: 100 Time: 3 hrs.	10 questions (02) from each unit). Attempt one question from each unit.	20 marks each

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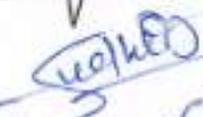
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PART-C, LEARNING RESOURCES (BOOKS RECOMMENDED)		
AUTHOR	TITLE	PUBLISHER
Jhingan, Bhatt & Desai	Demography	Vrinda Publication
Rawat, D. S.	Fundamentals of Demography-Concepts & Theories	Cybertech
Sinha, V. C. Zacharia	Elements of Demography	Allied Publishers
मिथ, जे. पी.	जनांकिकी	साहित्य भवन पब्लिकेशन
SUGGESTED DIGITAL PLATFORM		
1	https://www.swayamprabha.gov.in/index.php	
2	https://vidyavitra.inflibnet.ac.in/index.php	
3	https://eggp.inflibnet.ac.in/Home/ViewSubject	
4	Various YouTube Channels for various topics	
PART-D ASSESSMENT & EVALUATION		
Recommended Continuous Evaluation Methods:		
Maximum Marks: 100		
Continuous Comprehensive Evaluation (CCE): 0 Marks, University Exam (UE):100 marks		
Internal Assessment: Continuous Comprehensive Evaluation (CCE):0	Class Test Assignment/Presentation	0 Marks 0 Marks
External Assessment: University Exam Section:100 Time: 3 hrs.	10 questions (02) from each unit). Attempt one question from each unit.	20 marks each


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 26.3.2023
 (AA-Rohini Prasad)

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5. D.E. Apter, The Politics of Modernization, Chicago, University of Chicago Press, 1965.
6. L.J. Cantori and A.H. Zeigler (ed.), Comparative Politics in the Post-Behaviorist Era, London, Lynne Rienner Publisher, 1988.
7. O. Dunleavy and B.O' Leary, Theories of Liberal Democratic State, London, Macmillan, 1987.
8. R. Hauge and M. Harrop, Comparative Government and Politics. An Introduction, 5th edn., New York, Palgrave, 2001.
9. H. Finer, Theory and Practice of Modern Government, Methuen, London, 1969.
10. J.C. Johari, Comparative Political Theory: New Dimensions, Basic Concepts and Major Trends, Sterling, New Delhi, 1987.
11. R.C. Macridis, The Study of Comparative Government, Doubleday, New York, 1955
12. R.C. Macridis and R.E. Ward, Modern Political Systems: Europe, and Asia, 2nd edn. Englewood Cliffs NJ, Prentice Hall, 1968.
13. J. Manor (ed.), Rethinking Third World Politics, Longman, London, 1991.
14. R.C. Macridis, Modern European Governments: Cases in Comparative Policy - Making, Englewood Cliffs NJ, Prentice Hall, 1968.
15. L.W. Pye (ed.), Communication and Political Development, Princeton University Press, Princeton NJ, 1963.
16. R.I. Rotberg (ed.), Politics and Political Change: A Journal of Interdisciplinary History A Reader, MIT Press, Massachusetts, 2001.
17. H.J. Wiarda (ed.), New Developments in Comparative Politics, West view Press, Boulder Colorado, 1986.
18. Daniel Caramani, Comparative Politics, Oxford University Press, Oxford, 2008
- 19- जेसी जोहरी (1986) : तुलनात्मक राजनीति , स्टर्लिंग प्रकाशन नई दिल्ली
- 20 - सी बी गेना (1996) : तुलनात्मक राजनीति, विकास प्रकाशन नई दिल्ली ।

B.A. Third Paper 1st

बी. ए. तृतीय प्रश्न पत्र प्रथम पूंजांक-75

अन्तर्राष्ट्रीय राजनीति एवं भारत की विदेश नीति International Politics and Foreign Policy of India COURSE OUTCOMES

The objectives of the course are

- 1- To acquaint the students with the basics of international politics .
- 2- To provide students the knowledge of theories of international politics
- 3- To provide students the knowledge of foreign policy and issues related to its execution .

COURSE SPECIFIC OUTCOMES

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After completion of the course, the student shall have a fair idea about	
CSO 1	The concept and approaches of international politics.
CSO 2	The theories of international politics.
CSO 3	Theoretical aspects of foreign policy.
CSO 4	The execution of international politics like concepts of power, balance of power, diplomacy, disarmament etc.
CSO 5	The political aspects of environmentalism, globalisation, and human rights and Indian Foreign Policy.

इकाई 1

अन्तर्राष्ट्रीय राजनीति अर्थ, परिभाषा, प्रकृति, क्षेत्र ।

अन्तर्राष्ट्रीय राजनीति अध्ययन उपागम यथार्थवाद, आदर्शवाद, नवयथार्थवाद, विश्व व्यवस्था सिद्धान्त एवं केन्द्र-परिधि सिद्धान्त या मॉडल । राष्ट्रीय हित एवं राष्ट्रीय शक्ति अर्थ, परिभाषा एवं तत्व । राज्येतर अभिकर्ता : अवधारणा प्रकार एवं प्रभाव ।

International Politics: meaning, definitions, Nature, Scope. International Politics: Approaches to the study: Realism, Idealism, Neo realism, World System theory and Centre - Periphery theory. National interest and National power: Meaning Definition and Elements. Non-State actors : Concept types influence .

इकाई 2 :

अन्तर्राष्ट्रीय राजनीति के विभिन्न सिद्धान्त :- व्यवस्था सिद्धान्त, खेलसिद्धान्त, निर्णय निर्माण सिद्धान्त, सौदेबाजी का सिद्धान्त ।

शीतयुद्ध राजनय, शक्ति संतुलन, सामूहिक सुरक्षा, शस्त्र प्रतिस्पर्धा एवं निशस्त्रीकरण, आणविक निःशस्त्रीकरण एवं अप्रसार ।

Unit 2:

Various theories of international politics:- system theory, game theory, decision making theory, bargaining theory.

Cold War, Diplomacy, Balance of Power, Collective Security, Arms race and Disarmament, Nuclear Disarmament and Non-Proliferation.

इकाई 3:

अन्तर्राष्ट्रीय राजनीति के प्रमुख मुद्दे : अन्तर्राष्ट्रीय आतंकवाद, फिलिस्तीन-इसराइल संघर्ष, पर्यावरणवाद, वैश्वीकरण, मानव अधिकार,

अन्तर्राष्ट्रीय राजनीतिक अर्थशास्त्र : अवधारणा, प्रकृति, प्रमुख विषय : वैश्वीकरण, विश्व व्यापार संगठन, शस्त्र उद्योग, तेल एवं ऊर्जा राजनीति ।

प्रमुख महत्वपूर्ण संगठन : संयुक्त राष्ट्र संघ, योरोपीय यूनियन, आसियान, नाटो ।

Major issues of international politics: International terrorism, Palestine-Israel conflict, environmentalism, globalization, human rights,

International Political Economics: Concept, Nature, Major Topics: Globalization, WTO, Arms Industry, Oil and Energy Politics.

Major important organizations: U.N.O. European Union, ASEAN, NATO.

इकाई 4

and

Signature

भारत की विदेश नीति : निर्धारक तत्व, विशेषताएं । गुटनिरपेक्षता अर्थ, विशेषताएं प्रासंगिकता ।
भारत एवं दक्षिण एशिया : बांग्लादेश , अफगानिस्तान , भूटान , म्यानमार, पाकिस्तान, नेपाल, श्रीलंका के साथ भारत के सम्बन्ध । सार्क

Unit 4

Foreign Policy of India: Determining Factors, Features. Meaning, features and relevance of non-alignment.

India and South Asia: India's relations with Bangladesh, Afghanistan, Bhutan, Myanmar, Pakistan, Nepal, Sri Lanka. SAARC.

इकाई 5

भारत और विश्व : भारत का संयुक्त राज्य अमेरिका, चीन , रूस, से सम्बंध । एशिया प्रशांत क्षेत्र और क्वाड, चीन का प्रसारवाद और भारतीय हित ।

Unit 5:

India and the world: India's relation with the United States of America, China, Russia, The Asia Pacific region and the Quad, China's expansionism and Indian interests.

Suggested readings

1. D. A. Baldwin (ed.), Neo-realism and Neo-liberalism, Columbia University Press, New York, 1993.
2. J. C. Bennett (ed.), Nuclear Weapons and the Conflict of Conscience, Charles Scribner's Sons, New York, 1962.
3. C. Brown, International Relations Theory, Harvester Wheat sheaf, London, 1975.
4. I. Claude, Power and International Relations, Random House, New York, 1962.
5. W. D. Coplin, Introduction to International Politics, Markham, Chicago, 1971
6. K. Deutsch, The Analysis of International Relations, Prentice Hall, Englewood Cliffs NJ, 1967.
7. J. E. Dougherty, How to think about Arms Control and Disarmament, Alfred A. Knopf, New York, 1962
8. J. Frankel, Contemporary International Theory and the Behaviour of States, Oxford University Press, New York, 1973.
9. F. I. Greenstein and N. W. Polsby, Theory of International Relations, Reading Massachusetts, Addison-Wesley, 1979.
10. S. H. Hoffman (ed.), Contemporary Theory in International Relations, Prentice Hall, Englewood Cliffs NJ, 1960.
11. R. O. Keohane, (ed.), Neo-realism and Its Critics, Columbia University Press, New York, 1986.
12. R. O. Keohane, International Institutions and State Power, West view Press, Boulder Colorado, 1989.
13. K. N. Waltz, Theory of International Politics, Reading Massachusetts, Addison-Wesley, 1979.
- 14 - महेंद्र कुमार (1990) : अंतरराष्ट्रीय राजनीति के सैद्धांतिक पक्ष शिवताल अग्रवाल एंड कंपनी आगरा उत्तर प्रदेश.

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15 - बीएल बढिया अंतरराष्ट्रीय राजनीति (1996) : सिद्धांत एवं समकालीन अंतर्राष्ट्रीय मुद्दे साहित्य भवन प्रकाशन आगरा उत्तर प्रदेश

16- यू आर घई (1987) : अंतरराष्ट्रीय राजनीति के सिद्धांत एवं व्यवहार, न्यू एकेडमी प्रकाशन जालंधर पंजाब

Int.political economy

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Global political economy

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17 M.S. Agwani, D elente: Perspectives and Repercussions, Vikas, 1975 • John Gray, False Dawn: The Delusions of Global Capitalism, Grant Book, U.K., 199

18- Hans J. Morgenthau Politics Among Nations: The Struggle for Power and Peace, Scientific Book Agency, Calcutta, 1974

19- K.J. Holsti, International Politics: A Framework for Analysis, Prentice Hall of India, New Delhi,1995.

20- Paul Kennedy, Preparing for the Twenty-First Century, New York, 1993

21- Hutchings, Kimbley, International Political Theory, Sage, New Delhi

22- John Baylis and Steve Smith, The Globalization of World Politics. Oxford University Press, 2008

23- Karen Mingst, Essentials of International Relations, New York: W.W. Norton & Company,

24- Kate Kelly S. Pease, International Organizations, New Jersey: Prentice Hall, 2000.

B.A. THIRD PAPER 2nd

बी. ए. तृतीय प्रश्न पत्र द्वितीय

लोक प्रशासन **क्रेडिट- 75**

Public Administration

COURSE OUTCOMES

Public Administration is a new subject , only a century and a few decades old . It is related to the welfare role of the state . That is why it deals with the problems and expertise related to policy formation and execution . The course

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has the main objective to give the students basic concepts of theoretical and practical aspects of public administration .

COURSE SPECIFIC OUTCOMES

After completion of the course, the student shall have a fair idea about

CSO 1	The knowledge about basic concepts approaches and evolution of public administration .
CSO 2	The knowledge of theoretical aspects of public administration.
CSO 3	The theories of organisation and management .
CSO 4	The knowledge of practical parts of public administration like bureaucracy.
CSO 5	The Finance administration. Budget administration and control over administration .

इकाई 1:

लोक प्रशासन अर्थ, परिभाषा प्रकृति, क्षेत्र ,अध्ययन पद्धतियां । विषय के रूप में लोक प्रशासन का विकास । उदाहरण के अधीन लोक प्रशासन और निजी प्रशासन । नवीन लोक प्रशासन तुलनात्मक लोक प्रशासन

Unit 1:

Public Administration : development of public administration as discipline, meaning definition, nature and scope. Approaches of study. Public Administration and Private Administration under liberalisation. New Public Administration. Comparative Public Administration.

इकाई 2

संगठन के सिद्धान्त पोस्टकार्ब, पदसोपान, नियंत्रण का क्षेत्र आदेश की एकता । मुख्य कार्यपालिका, सूत्र एवं स्टाफ अभिकरण विभागीय विभागीय संगठन, लोक निगम । कार्मिक प्रशासन : भर्ती , प्रशिक्षण पदोन्नति । स्वतंत्र नियामकीय आयोग, भारत के प्रमुख नियामक आयोग ।

Unit 2:

Principles of Organisation : POSDCORB, Hierarchy, Span of Control, Unity of Command, Delegation. Chief Executive. Line and Staff Agencies. Departmental Organisation. Public Corporation. Personnel Administration: Recruitment, Training Promotion. Independent Regulatory Commission, major regulatory commissions of India.

इकाई 3:

प्रबंध : अवधारणा प्रबंध के सिद्धांत वैज्ञानिक प्रबंध नेतृत्व नीति निर्धारण नीति निर्माण प्रशासनिक प्रबंध के उपकरण समन्वय प्रत्यायोजन संचार अभिप्रेरणा पर्यवेक्षण

विकास प्रशासन : प्रकृति , मुद्दे और विशेषताएं। रिग्स का समर्पावीय माडल, प्रशासन में नागरिक सहभागिता,

सुशासन और ई शासन - प्रशासन में कंप्यूटर की भूमिका

Unit 3:

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Management: Concepts Principles of Management Scientific Management Leadership, Decision making, Policy Formulation Tools of Administrative Management Coordination Delegation Communication Motivation Supervision.

Development Administration: Nature, issues and features. Prismatic model of W.F. Riggs, Public participation in administration.

Good Governance and E-Governance - Role of Computer in Administration

इकाई 4:

वित्तीय प्रशासन बजट के सिद्धान्त भारत में बजट प्रक्रिया भारत में प्रशासनिक सुधार । प्रशासन पर कार्यपालिका, विधायी न्यायिक और जन नियन्त्रण । लोकनीति : अवधारणा प्रकृति क्षेत्र और महत्व । छत्तीसगढ़ शासन की महत्वपूर्ण कल्याणकारी योजनाएं । छत्तीसगढ़ की प्रशासकीय संरचना ।

Unit 4:

Financial Administration Principles of Budget Budgeting Process in India Administrative Reforms in India. Executive, legislative, judicial and public control over administration. Public Policy: Concept, Nature, Scope and Importance. Important welfare schemes of Chhattisgarh government. Administrative structure of Chhattisgarh.

इकाई 5:

प्रशासन में अष्टाचार आम्बुड्समैन, लोकपाल और लोक आयुक्त । केंद्रीय सतर्कता आयोग सूचना का अधिकार कानून, राज्य सूचना आयोग , छत्तीसगढ़ में लोक सेवा गारंटी । वैश्वीकरण के युग में लोक प्रशासन ।

उदासीकरण , लौकरशाही, लोक सम्पर्क

Unit 5

Corruption in Administration: Ombudsman, Lokpal and LokAyukta. Central vigilance commissioner, Right to information Act, Lok seva Guarantee in Chhattisgarh.

Public Administration in the age of Globalisation. Liberalisation. Bureaucracy, public relation.

Suggested readings

- 1 - P. H. Appleby, Policy and Administration, University of Alabama Press, Alabama, 1957.
2. A. Avasthi and S. R. Maheswari, Public Administration, Agra, Lakshmi Narain Agrawal, 1996.
3. D. D. Basu, Administrative Law, New Delhi, Prentice Hall, 1986.
4. C. P. Bhabri, Administration in a Changing Society: Bureaucracy and Politics in India, Delhi, Vikas, 1991.
5. M. Bhattacharya, Public Administration: Structure, Process and Behaviour, Calcutta, The

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World Press, 1991.

6. Dimock and G. O. Dimock, Public Administration, Oxford, IBH Publishing Co., 1975.
7. E. N. Gladden, The Essentials of Public Administration, London, Staples Press, 1958.
8. S. R. Maheshwari, Administrative Theories, New Delhi, Allied, 1994.
9. S. R. Nigam, Principles of Public Administration, Allahabad Kitab Mahal, 1980.
10. F. A. Nigro and L.S. Nigro, Modern Public Administration, New York, Harper and Row, 1984.
11. O. Glenn Stahl, Public Personnel Administration, New York, Harper & Brothers, 1956.
12. D. Waldo (ed), Ideas and Issues in Public Administration, New York, Mc Graw Hill, 1953.
13. N. D. White, Introduction to the Study of Public Administration New York, Macmillan, 1955.
14. P.D. Sharma, Indian Administration : Retrospect and Prospect, Ravat Publications, Jaipur. 2008
15. Ramesh Arora, Administrative theories, Ravat Publications, Jaipur, 2008
16. Nandekar, Public Administration in India, Ravat Publications, Jaipur, 2008
17. R.B. Jain, Contemporary Issues in Indian Administration, Vishal, New Delhi, 1976
- 18- Avasthi & S.R. Maheshwari: Public Administration, (Agra: L. N. Agrawal, latest Hindi and English editions)
- 19- R. R. Jha: Lokayukta : The Indian Ombudsman, Rishi Publications, Varanasi, 1991
- 20- R. K. Arora & R. Goyal: Indian Public Administration, (New Delhi: Vishwa Prakashan, 2008).
- 21- S. Kataria, 'Personnel Administration', (RBSA Publishers, Jaipur, 2003
- 22- अवस्थी एवं माहेश्वरी : (1985) लोक प्रशासन लक्ष्मीनारायण अग्रवाल एंड कंपनी आगरा उत्तर प्रदेश
- 23- एम पी शर्मा एवं सदाना (2005) लोक प्रशासन : सिद्धान्त एवं व्यवहार , किताब महल इलाहाबाद उत्तर प्रदेश ।
- 24- शकील हुसैन- (2020) : लोक प्रशासन सिद्धांत एवं व्यवहार शिक्षादूत प्रकाशन नई दिल्ली ।

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02/06/2023



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17. सीमल सरकार - आर्थिक भारत
16. एच. राय चौधरी - सोशल क्वॉल एण्ड इकोनॉमिक हिस्ट्री ऑफ इंडिया
15. बी. वी. मिश्रा - द सेन्स एडमिनिस्ट्रेशन इन्स कम्पनी
14. रमेश चंद्रल - हिस्ट्री भारत का आर्थिक इतिहास
13. सीमा पाल - भारतीय संस्कृति एवं हिस्ट्री उपनिवेशवाद
12. कौलेश्वर राय - आर्थिक भारत 1757-1995
11. नीलकंठ शास्त्री - एडवॉस हिस्ट्री ऑफ इंडिया
10. अरुण मट्टावादी - हिस्ट्री ऑफ मॉडर्न (1757-1947)
09. पूर्ण दास, चौधरी - भारत का सामाजिक आर्थिक एवं सांस्कृतिक इतिहास
08. एन. एस. ठाकुर - भारत का आर्थिक इतिहास (1757-1950)
07. एस. पी. नायर - सोशल एण्ड इकोनॉमिक हिस्ट्री ऑफ मॉडर्न इंडिया
06. प्रताप सिंह - आर्थिक भारत - 1 खण्ड-3
05. एस. आर. शर्मा - मॉडर्न आर्थिक इतिहास - 1969)
04. गोवर एवं यशपाल - आर्थिक भारत का इतिहास एवं नवीन मूल्यांकन (1707
03. राजनीतिशास्त्र - इंडिया टुडे
02. ए. आर. देसाई - आर्थिक राष्ट्रवाद की सामाजिक परिकल्पना
01. एल. पी. शर्मा - आर्थिक भारत

संदर्भ ग्रंथ सूची-

Program: Degree Course in History		Class: B.A. III Year		Session: 2024+2025	
BHS1		Indian History (1757 AD to 1947 AD)			
Course Title		Core Course			
Course Type		Core Course			
Pre-requisite		The course can be adopted by any student who has passed Diploma Course in History.			
Course Learning Outcomes (CLO)		The objective of course is to make the students aware of National Movement of India in a broader sense. Also to give information about the process of constitutional development in India after the end of Company Rule. Students could know about the various movements in Chhattisgarh and the merger of Princely States in India.			
6	Credit Value	Theory : 5			
7	Total Marks	Maximum Marks: 75		Minimum Passing Marks : 25	

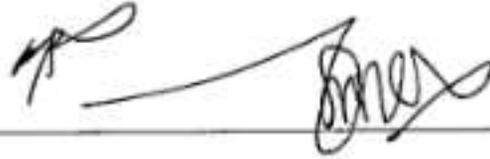
Content of Course		Unit	Credit
1. Main Sources of Modern Indian History. 2. Advent of European Powers in India. 3. Establishment of East India Company in India - Battle of Plassey and Buxar. 4. The Dual administration of Robert Clive.		I	1
5. Expansion of Company's Rule - Subsidiary alliance of Wellesley's Doctrine of lapse of Lord Dalhousie. 6. Impact of European Commercialization on India - Agriculture, Trade and Industries. 7. Land Revenue Systems - Permanent Settlement, Ryotwari Settlement, Mahalwari Settlement. 8. Different Social Classes- Peasant, Labour, Middle Class and Women.		II	1
9. Resistance to Colonial Rule - Peasant, Labour and Tribal Movements. 10. Indian Renaissance and Socio-religious Movement - Brahmo Samaj, Prarthana Samaj, Arya Samaj. 11. Ramkishna Mission, Theosophical Society, Aligarh Movement. 12. Constitutional development during the Company Rule 1773- 1854 A.D.		III	1
13. Relation with the Princely State. 14. Development of Education. 15. Development of Press. 16. Economic transformation of India - Communication System, Postal System and Rail route.		IV	1
17. British Control in Chhattisgarh 1818 to 1830 A.D. 18. British Administration in Chhattisgarh. 19. Social Reform Movement in Chhattisgarh - Kabirpanth, Savampanth, 20. Tribal culture of Chhattisgarh.		V	1

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Text Books, Reference Books, Other resources

- 01 एल पी शेर्मा - आधुनिक भारत
- 02 ए. आर. देसाई - आधुनिक राष्ट्रवाद की सामाजिक परलम्भि
- 03 राजनीति का मूल - इतिहास एवं
- 04 गांधी एवं महात्मा - आधुनिक भारत का इतिहास एवं नवीन मूल्य (1977)
- 05 ए. आर. शेर्मा - संविधान और मूल्य इतिहास
- 06 प्रथम सिद्ध - आधुनिक भारत - 1 खण्ड-3
- 07 ए. ए. पी. नायर - संविधान एवं लोकतान्त्रिक सिद्धि और मूल्य इतिहास
- 08 ए. ए. पी. नायर - भारत का आर्थिक इतिहास (1957-1950)
- 09 ए. ए. पी. नायर - भारत का सामाजिक आर्थिक एवं सांस्कृतिक इतिहास
- 10 अरुण मट्टाचार्य - हिस्ट्री ऑफ इंडिया (1947-1957)
- 11 नीलकण्ठ शास्त्री - एडवॉकेट हिस्ट्री ऑफ इंडिया
- 12 कालचरण राय - आधुनिक भारत 1957-1995
- 13 सीमा पाण्डे - भारतीय संस्कृति एवं हिस्ट्री ऑफ इतिहास
- 14 ए. ए. पी. नायर - हिस्ट्री ऑफ आर्थिक इतिहास
- 15 डी. पी. मिश्रा - ए. ए. पी. नायर इन्स्टीट्यूट ऑफ इंडिया
- 16 ए. ए. पी. नायर - संविधान एवं लोकतान्त्रिक सिद्धि और मूल्य इतिहास
- 17 संविधान संरक्षण - आधुनिक भारत



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क्र.सं.	विषय	पृष्ठ
1	1 1857 की क्रांति - कारण, स्वभाव एवं परिणाम 2 राष्ट्रवाद का उदय एवं भारतीय राष्ट्रवाद का विकास 3 वर्तमान की समस्याएँ, भी विचार एवं स्वतंत्रता आंदोलन 4 क्रांतिकारी आंदोलन	1
2	5. <i>सामाजिक विचार</i> 6. भारतीय आंदोलन 7. राष्ट्रीय आंदोलन 8. भारत छोड़ो आंदोलन	1
3	9. सामाजिकवाद का उदय एवं विकास 10. आचार विनियम 11. भारत का विकास एवं स्वतंत्रता 12. भारतीय विचारों का विवर्तनीकरण	1
4	13. सामाजिक विचार 1858 से 1892 तक भारत में 14. भारतीय राष्ट्रवाद आंदोलन 1909, भारत छोड़ो आंदोलन 1919 15. भारत छोड़ो आंदोलन 1930, भारतीय स्वतंत्रता आंदोलन 1947 16. भारतीय विचारों का विवर्तनीकरण	1
5	17. भारतीय राष्ट्रवाद 1857 की क्रांति - बीर भारतीय विचार, स्वतंत्रता, राष्ट्रवाद 18. भारतीय राष्ट्रवाद आंदोलन (1857 के पश्चात) 19. भारतीय राष्ट्रवाद आंदोलन 20. भारतीय राष्ट्रवाद का विवर्तनीकरण	1

क्र.सं.	विषय	पृष्ठ
1	भारत का राष्ट्रवाद आंदोलन एवं सामाजिक विचार (1857 से 1950 ई. तक)	
2	भारत छोड़ो आंदोलन	
3	भारत छोड़ो आंदोलन	
4	भारत छोड़ो आंदोलन (1857 से 1950 ई. तक)	
5	भारत छोड़ो आंदोलन का उदय एवं विकास भारत छोड़ो आंदोलन का उदय एवं विकास का कारण है। भारत छोड़ो आंदोलन की शुरुआत के बाद भारत में सामाजिक विचारों का विकास हुआ। भारत छोड़ो आंदोलन का उदय एवं विकास का कारण है। भारत छोड़ो आंदोलन की शुरुआत के बाद भारत में सामाजिक विचारों का विकास हुआ।	
6	भारत छोड़ो आंदोलन	
7	भारत छोड़ो आंदोलन	

- (1) डॉ. एल.पी. भाषा - आधुनिक भारत
- (2) डॉ. बी.एन. लिन्या - आधुनिक भारत का इतिहास
- (3) डॉ. एम.एस. जैन - आधुनिक भारत का इतिहास
- (4) श्रीनेत्र पाण्डेय - आधुनिक भारत का इतिहास
- (5) य. पाल एवं शंकर - आधुनिक भारत का इतिहास
- (6) जे.पी. मिश्रा - आधुनिक भारत का इतिहास
- (7) एस.एल. नागोरी - आधुनिक भारत
- (8) मर्जुमदार, दत्त, राय चौधरी - भारत का वर्तमान इतिहास भाग-3
- (9) पी.के. शर्मा - ब्रिटिश कालीन भारत का इतिहास
- (10) डॉ. ए.के. शर्मा - आधुनिक भारत का इतिहास
- (11) अणुवाल, आर.सी. - भारतीय साहित्य का विकास तथा राष्ट्रीय आन्दोलन
- (12) ताराचंद - भारतीय स्वतंत्रता आन्दोलन का इतिहास खण्ड-1, 2, 3, 4
- (13) सिंह, बीरक वर प्रसाद - भारतीय राष्ट्रीय आन्दोलन एवं सांख्यिक विकास
- (14) डॉ. एल.पी. भाषा - आधुनिक भारत का इतिहास
- (15) डॉ. विमलचन्द्र पाण्डेय - आधुनिक भारत का इतिहास
- (16) पी.ए. रोबर्ट्स - आधुनिक भारत का इतिहास
- (17) बी.ए. खुराना - आधुनिक भारत का इतिहास
- (18) ए.बी. केथ - आधुनिक भारत का इतिहास
- (19) ए.डी. महाजन - आधुनिक भारत का इतिहास
- (20) ए.पी. त्रिपाठी - आधुनिक भारत का इतिहास
- (21) इरफान हबीब - आधुनिक भारत का इतिहास



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- (1) डॉ. एन.पी. भाषी - आर्यनिक भारत
- (2) डॉ. बी.एन. वर्मा - आर्यनिक भारत का इतिहास
- (3) डॉ. एम.एस. जैन - आर्यनिक भारत का इतिहास
- (4) श्रीराम कृष्ण - आर्यनिक भारत का इतिहास
- (5) य. पापल एवं शंकर - आर्यनिक भारत का इतिहास
- (6) डॉ. पी. सिन्हा - आर्यनिक भारत का इतिहास
- (7) एस.एल. नागेशी - आर्यनिक भारत
- (8) मजूमदार, दत्त, राय वृषणी - भारत का वर्तमान इतिहास भाग-3
- (9) पी.के. शर्मा - हिस्ट्री कालीन भारत का इतिहास
- (10) डॉ. ए.के. शर्मा - आर्यनिक भारत का इतिहास
- (11) अग्रवाल, आर.सी. - भारतीय संविधान का विकास तथा राष्ट्रीय आन्दोलन.
- (12) ताराचंद - भारतीय स्वतंत्रता आन्दोलन का इतिहास खण्ड-1, 2, 3, 4
- (13) सिंह, बीरक वर प्रसाद - भारतीय राष्ट्रीय आन्दोलन एवं संवैधानिक विकास.
- (14) पापल आर. कृष्ण एवं
सुट्टे, विश्वराम - उत्तर राजनीतिक, सामाजिक एवं सांस्कृतिक इतिहास
- (15) Dr. Vimalchandra Pandey - Struggle for Independence
- (16) P.E. Roberts - History of India
- (17) B.L. Khurana - Modern of History of India
- (18) A.B. Keith - Constitutional History of India
- (19) V.D. Mahajan - Modern History
- (20) R.P. Tripathi - Rise and fall of the Mughal Empire
- (21) Irfan Habib - Agrarian System of the Mughal



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Program: Degree Course in History		Class: B.A. III Year		Paper - Second		Session: 2024+2025	
1	Course Code	BHS2					
2	Course Title	National Movement and Constitutional Development of India (1857 to 1950 A.D.)					
3	Course Type	Core Course					
4	Pre-requisite	The course can be adopted by any student who has passed Diploma Course in History.					
5	Course Learning Outcomes (CLO)	The objective of the course is to make the students aware of the National Movement of India in a broader sense. Also to give information about the process of constitutional development in India after the end of Company Rule. Students could know about the various movements in Chattisgarh and the merger of Princely States with India.					
6	Credit Value	Theory : 5					
7	Total Marks	Maximum Marks: 75		Minimum Passing Marks : 25			

Unit	Topics	Credit
I	1. Revolt of 1857 - Causes, nature and result. 2. Rise of Nationalism and establishment of Indian National Congress. 3. Moderate and Extremist phase, Partition of Bengal and Swadeshi Movement. 4. Revolutionary Movement.	1
II	5. Home Rule Movement. 6. Non - Cooperation Movement. 7. Civil Disobedience Movement. 8. Quit India Movement.	1
III	9. Rise and Development of Communism. 10. Indian National Army. 11. Partition and Independence of India. 12. Merger of Indian Princely States.	1
IV	13. Constitutional Development from 1858 to 1892 -- main features. 14. Indian Council Act 1909, Government of India Act 1919. 15. Government of India Act 1935, Indian Independence Act 1947. 16. Features of Indian Constitution.	1
V	17. Revolution of 1857 in Chattisgarh - Veer Narayan Singh, Hanuman Singh, Surendra Sai. 18. Tribal Movements in Chattisgarh. 19. Gandhian Movements in Chattisgarh. 20. The merger of Princely States in Chattisgarh.	1

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सशोधित पाठ्यक्रम
Reviews Syllabus

विषय : प्राचीन भारतीय इतिहास, संस्कृति तथा पुरातत्व
Ancient India History, Culture and Archaeology

कक्षा : बी.ए. तृतीय वर्ष
Class : B.A. Third
Year

1	कोर्स कोड	AIH-105
2	कोर्स शीर्षक Course Title	भारतीय वास्तु तथा कला के मूल तत्व Elements of Ancient Indian Architecture and Art
3	कोर्स का प्रकार Course Type	सैद्धांतिक – प्रथम पेपर Theory Paper First
4	पाठ्यक्रम अध्ययन की परिलब्धियां CLO	<p>Learning Outcome (Subject Outcome): After studying this subject/paper the student will be able to:-</p> <ol style="list-style-type: none"> 1. Learn and develop skill to identify various styles of architecture prevalent in ancient India. 2. Understand about stylistic development of sculptures of ancient India. 3. Learn about chronological development of Art and Architecture in ancient India. 4. Become familiar with various aspects paintings in ancient India. <p>इस विषय का अध्ययन पूरा करने के बाद छात्र छात्रा डम ग्निनि में होंगे कि :</p> <ol style="list-style-type: none"> 1. प्राचीन भारत में प्रचलित स्थापत्य की विभिन्न शैलियों के बारे में जान सके। 2. प्राचीन भारत में मूर्तिकला की शैलीगत विकास की जानकारी हो। 3. प्राचीन भारत की कला एवं स्थापत्य के क्रमिक विकास को समझ सकेंगे। 4. प्राचीन भारत की चित्रकला के विभिन्न पहलुओं से परिचित होगा।
5	कुल अंक Total Marks	अधिकतम अंक – 50 Maximum marks 50

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भाग ब : पाठ्यक्रम का प्रारूप

ईकाई	विषय वस्तु
1	हड़प्पा कालीन वास्तु, मौर्य कालीन वास्तु, स्तूप वास्तु (सांची, तथा अमरावती), पश्चिमी भारत के चैत्यगृह तथा विहार- भाजा, अजंता और एलोरा। (Architecture of Harappan period, Mauryan period; Stupa Architecture (Sanchi, and Amravati), Chaityas and Viharas of Western India (Bhaja, Ajanta and Ellora)
2	मंदिर वास्तु के उद्भव एवं विकास, मंदिर वास्तु के विभिन्न शैली-नागर, वेसर, द्रविड़। (Origin and development of Temple Architecture, Various Styles of Temple Architecture – Nagara, Vessara & Dravida)
3	मूर्तिकला-हड़प्पा कालीन, मौर्यकालीन, शुंगकालीन, कुषाण कालीन (गांधार एवं मथुरा)। (Iconography – Harappa period, Mauryan period, Shunga period, Kushana period (Gandhara & Mathura)
4	प्राचीन भारत में मूर्ति पूजा उद्भव एवं विकास एवं विष्णु, शिव, बौद्ध एवं जैन प्रतिमा के विशेष संदर्भ में। (Origin and development of idol worship in Ancient India, with special reference to Vishnu, Shiva, Jaina & Buddhist sculptures)
5	प्रागैतिहासिक चित्रकला, सिंधनपुर की चित्रकला एवं अजंता और बाघ की चित्रकला। (Pre-historic paintings, Painting of Singhanpur and Ajanta & Bagh Paintings)

संदर्भ ग्रंथ सूची References books –

1. Agrawal, V. S. – Indian Art
2. Ray, Nihar Ranjan – Maurayn and Sunga art. Kumar swami
3. A.K. – Earlt Indian Iconography
4. Banergee, J N – Development of Hindu Iconography.
5. Singh, A K – Bhartiya Vastukala tatha Kala ke mool tatwa
6. Ray, Udaya Narayan – Bhartiya Kala.
7. Kumarswami, A.K. – Early Indian Iconography. Kumarswami,
8. A.K – Origin of Buddha image.
9. Brown, Percy – Indian Architecture Buddhist and hindu.
10. Srinivasan K.R. – Temples of South India. Dharamrajarath & its Sculptures.
11. Deheja V. – Early Buddhist Rock Temples.



 22/2/23

संशोधित पाठ्यक्रम
Reviews Syllabus

विषय : प्राचीन भारतीय इतिहास, संस्कृति तथा पुरातत्व
Ancient India History, Culture and Archaeology

कक्षा : बी.ए. तृतीय वर्ष
Class : B.A. Third
Year

1	कोर्स कोड	AIH-106
2	कोर्स शीर्षक Course Title	पुराभिलेख एवं मुद्राशास्त्र के मूल तत्व Elements of Palaeography and Numismatics
3	कोर्स का प्रकार Course Type	सैद्धांतिक - द्वितीय पेपर Theory Paper Second
4	पाठ्यक्रम अध्ययन की परिलब्धियां CLO	<p>After studying this subject/paper the student will be able to:-</p> <ol style="list-style-type: none"> 1. Learn about the antiquity of art of writing in ancient India. 2. Become familiar with various scripts and languages of ancient India. 3. Learn the significance of Inscriptions and coins as sources of Ancient Indian history. <p>इस विषय का अध्ययन पूरा करने के बाद छात्र छात्रा इन स्थिति में होंगे कि :</p> <ol style="list-style-type: none"> 1. भारत में लेखन कला की प्राचीनता के बारे में जान सके। 2. प्राचीन भारत में प्रचलित विभिन्न लिपियों तथा भाषा की जानकारी हो। 3. प्राचीन भारतीय इतिहास के स्रोत के रूप में अभिलेखों तथा सिक्कों के महत्व को समझ सकेंगे।
5	कुल अंक Total Marks	अधिकतम अंक - 50 Maximum marks 50

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भाग ब : पाठ्यक्रम का प्रारूप

ईकाई	विषय वस्तु
1	(1) प्राचीन भारतीय इतिहास की पुनर्रचना में अभिलेखों का महत्व। (Significance of Epigraphy for writing Ancient Indian History.) (2) लेखन कला का उद्भव एवं विकास। (Origin and development of writing skill) (3) अभिलेखों में प्रयुक्त भाषाएँ, लिपियाँ तथा लेखन सामग्री। (Languages, Scripts and Writing materials used in Inscriptions)
2	निम्नलिखित अभिलेखों का ऐतिहासिक महत्व : (Historical significance of the following Inscription) (1) अशोक का बारहवां शिलालेख। (12 th rock edict of Ashoka) (2) गौतमी पुत्र सातकर्णी का नासिक अभिलेख। (Nasik Inscription of Gautamiputra Satkarni) (3) खारवेल का हाथीगुम्फा अभिलेख। (Hanthigumpha Inscription of Kharvela) (4) रुद्रदामन का जूनागढ़ (Junagarh Inscription of Rudradaman)
3	(1) समुद्रगुप्त की प्रयाग प्रशस्ति अभिलेख। (Allahabad Pillar Inscription of Samudragupta) (2) पुलकेशिन द्वितीय का एहोल लेख। (Aihole Inscription of Pulakeshin - II) (3) हर्ष का बांसखेड़ा अभिलेख। (Banskhera Inscription of Harsha) (4) महारानी वासटा का लक्ष्मण मंदिर अभिलेख। (Lakshman temple Inscription of Queen Vasta) (5) जाजल्ल देव प्रथम का रतनपुर अभिलेख। (Ratanpur Inscription of Jajalladeva)
4	इतिहास की पुनर्रचना में मुद्रा का महत्व, मुद्रा का उद्भव एवं प्राचीनता मुद्रा तकनीक। (Significance of Numismatics for writing Ancient Indian History, Origin and antiquity of Coins, Minting Techniques of Coins)
5	आहत सिक्के, कुषाण कालीन सिक्के, गुप्तकालीन मुद्राएँ, समुद्रगुप्त चन्द्रगुप्त द्वितीय, एवं कुमारगुप्त की स्वर्ण रजत एवं ताम्र मुद्राएँ स्थानिक मुद्राएँ शरभपुरीय, नलवंशीय एवं कलचुरी राजवंश। (Punch-Marked Coins, Gupta coins, Gold, Silver and Copper coins of Samudragupta, Chandragupta-II and Kumaragupta; Regional coins: Sharabhपुरiya, Nala, Kalachuri)

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संदर्भ ग्रंथ सूची References books —

1. Ojha, G H.—Prachin bharti Lipi maala.
2. Rajbali pandey— Indian Paleography.
3. Hultsch, E. --- Cospus inscription Indicarum. Vol-1
4. Upadhayay Vasudev—Prachin Bhartiya Abhileekh Ka Adhyan.
5. Vajpayee K.D. —EtihassikBhartiya abhileekh.
6. Parhar, Dinesh Nandini—Madhya Bhart ka Leekhan evam utkirnan Takneek ka udbhv evam vikas.
7. Cunningham, A— Coins Of Ancient India.
8. Altekar, A.S. -- Ancient Indin Coins. Catlogs of Indian coins.
9. Gupta ,P.L.— Mudrayen
- 10.Chakravarty, S.K. -Ancient Indian Numismatics
- 11.Narayan , A.K.—The Indo Greek coins.
- 12.Sarkar, D.C.—Study of the Indian Coins.

बी.ए. तृतीय वर्ष

**B.A. Part III
(Part B)**

प्रायोगिक एवं मौखिक परीक्षा

पूर्णांक - 50

1. किसी महत्वपूर्ण पुरातात्विक / ऐतिहासिक स्थान का भ्रमण एवं विवरण प्रस्तुति - 20 अंक
2. पुरावस्तुओं की पहचान, - 20 अंक
(प्रस्तर उपकरण, मृदभाण्ड, अभिलेख, मुद्रा, प्रतिमा, स्थापत्य)
3. मौखिकी - 10 अंक

योग - 50 अंक

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SOCIOLOGY
B.A. PART- III
PAPER – I
SOCIOLOGICAL THOUGHT
(Paper Code- SO=109)

Maxi. Marks- 75

UNIT-I Agust Comte: The Law of Three Stages, Positivism, Hierarchy of Science.
Durkheim- Social Solidarity and Suicide

UNIT-II Karl Marx: Dialectic Materialism, Class Struggle and Surplus Value.
Max Weber: Bureaucracy, Authority and the Protestant Ethic and the spirit of Capitalism.

UNIT-III Analytical tradition- A. Irvin Goffman, B. Clifred Gitz

UNIT-IV Post Modernity- A. Mishell Fuko, B. Yugen Haber Moss

UNIT-V Development of Sociological thought in India:
Mahatma Gandhi: Ahinsa, Satyagraha and Trusteeship.
Radha kamal Mukarjee: The Concept of Value.

Recommended Books:

- 1 Barres, H.E. : Introduction to the sociology, Chicago the university of Chicago press 1959.
- 2 Coser, Levis a.,: Master of sociological thought, New York Harcourt Brace Jovanovich 1979.
- 3 Singh, Yogendra- Indian sociology: social conditioning and emerging trends. New Delhi vistaar 1986.
- 4 Zeitlin, Irving- (Indian edition) Rethinking sociology: A Critique of contemporary theory , Jorpur Rawl 1999.

22.2.23
Dr. Preeti Mishra

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Dr. Preeti Mishra

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Dr. Preeti Mishra

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Dr. Preeti Mishra

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SOCIOLOGY
B.A. PART-III
PAPER-II
METHODS OF SOCIAL RESEARCH
(Paper Code- SO-110)

Maxi. Marks- 75

UNIT-I Social Research: Meaning, Characteristics and significance.
Scientific method, Hypothesis.

UNIT-II Qualitative Research: Ethnography, Observation, Case Study, Content analysis.

UNIT-III Research Design: Exploratory, Descriptive, Explanatory, Experimental and Diagnostic

UNIT-IV Tools and Techniques of Social Research: Social Survey, Sampling, Questionnaire, Interview Schedule and Interview Guide.

UNIT-V Social Statistics: Meaning, Importance and Limitations. Graphs, Diagrams and Measures of Central Tendency- Mean, Mode, Median, Co-relation, Use of Computer in Social Research.

Recommended Books:

1. Young, P.V. (1977). Scientific Social Surveys and Research. Prentice Hall of India New Delhi.
2. Bruce, C., & Margaret, M. (1993) Approaches to Social Research. New York: Oxford University press.
3. Cohen, M., & Nagel, E. (1994). An Introduction to Logi and Scientific Methods. New York: Harcourt, Brace & Company.
4. Forcese, D. & Richer, S.(1973). Social Research Methods. Cliffs: Englewood, Cliffs, NJ. Prentice Hall.
5. Moser, C.A. (1962). Survey Methods in Social Research Investigation. London: Heinemann Prentice Hall.
6. Goode, & Hatt. (1952). Methods in Social Research. New York: MC'grawHill Publishers.

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Dr. J.L. Patil
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(Dr. Nishu Kujur)

केंद्रीय अध्ययन मंडल

समाजशास्त्र

तीन वर्षीय स्नातक पाठ्यक्रम

नवीन पाठ्यक्रम

(पुनः संशोधित)

पाठ्यक्रम			
वर्ष	पाठ्यक्रम कोड	प्रश्न-पत्र	पाठ्यक्रम शीर्षक
बी.ए. भाग-I	SO-105	Paper -I	समाजशास्त्र का परिचय (5 Units)
	SO-106	Paper -II	समकालीन भारतीय समाज (5 Units)
बी.ए. भाग-II	SO-107	Paper -I	जनजाति का समाजशास्त्र (5 Units)
	SO-108	Paper -II	अपराध एवं समाज (5 Units)
बी.ए. भाग- III	SO-109	Paper -I	समाजशास्त्रीय विचार (5 Units)
	SO-110	Paper -II	सामाजिक अनुसंधान की विधियाँ (5 Units)

Note: Hindi and English Language were Foundation Course and it is compulsory in every year.

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(Dr. Prachi Mishra)

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Sushila
22.02.2023
(Dr. Anurag Kumar)

Ayathak
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Pathe
Dr. J.K. Pathe

Dasg
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No. 9
22.02.2023

समाजशास्त्र
बी.ए.भाग- I
प्रश्न पत्र- I
समाजशास्त्र का परिचय
(Paper Code – SO-105)

Maxi. Marks- 75

इकाई-I समाजशास्त्र : अर्थ, प्रकृति, क्षेत्र, विषयवस्तु और महत्व मूलभूत अवधारणाएँ : समाज, समुदाय, समिति, संस्था, समूह, प्रस्थिति एवं भूमिका

इकाई-II सामाजिक संस्थाएँ : परिवार, विवाह और नातेदारी संस्कृति और समाज : संस्कृति समाजीकरण, व्यक्ति और समाज, सामाजिक नियंत्रण, प्रतिमान, मूल्य

इकाई-III सामाजिक स्तरीकरण: गतिशीलता, अर्थ, स्वरूप और सिद्धांत सामाजिक गतिशीलता : गतिशीलता, अर्थ, स्वरूप और सिद्धांत

इकाई-IV सामाजिक परिवर्तन : अर्थ और प्रतिमान, प्रकार, कारक, उद्विकास और प्रगति

इकाई-V सामाजिक व्यवस्था और प्रक्रियाएँ: सामाजिक व्यवस्था : अर्थ, विशेषताएँ एवं तत्त्व, सामाजिक प्रक्रियाएँ : अर्थ, तत्त्व, विशेषताएँ एवं प्रकार

Recommended Books:

- 1 Bottomore T.B., Sociology- A guide to Problems and Literature, Bombay. George Allen and unwin(India) 1972.
- 2 Inkeles, Alex, What is Sociology ? New Delhi, Prentice Hall of India 1987.
- 3 Jayram, N- Introductory Sociology, Madras MaCmillan India 1988.
- 4 Johnson Harry, M., Sociology of systematic Introduction New Delhi Allied Publishers 1995.

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Dr. Jyoti K. Sharma

समाजशास्त्र

बी.ए.भाग- I

प्रश्न पत्र- II

समकालीन भारतीय समाज
(Paper Code OS-106)

Maxi. Marks- 75

इकाई-I भारतीय समाज के बारे में शास्त्रीय विचार: वर्ण, आश्रम, कर्म, धर्म और पुरुषार्थ।

इकाई-II भारतीय समाज की संरचना और संयोजन संरचना: गांव, नगर, शहर ग्रामीण नगरीय सातत्य।
संयोजन: जनजाति, दलित, महिला और अल्पसंख्यक।

इकाई-III भारतीय समाज की मौलिक संस्थाएं : जाति व्यवस्था, संयुक्त परिवार, विवाह और बदलते आयाम।

इकाई -IV पारिवारिक समस्याएं : दहेज, धरेलू हिंसा, विवाह विच्छेद, अंतरा-अंतर पीढ़ी संघर्ष, वृद्धों की समस्याएं।

इकाई - V छत्तीसगढ़ की लोक संस्कृति - (अ) प्रथा, (ब) परंपराएं, (स) खानपान, (द) त्यौहार।

Recommended Books:

1. Dube, S.C. 1995. Society in India, New Delhi: National Book Trust.
2. Mandelbaum, D.G. 1970. Society in India, Bombay : Popular Prakashan.
3. Shrinivas, M.N. 1973. Social Change in Modern India, California : University of California Press.
4. Shrinivas, M.N. 1973. Social Change Structure, New Delhi : Hindustan Publishing Corporation.
5. Uberoi Patricia, 1993. Family and Marriage in India, New Delhi : Oxford University press.

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समाजशास्त्र

बी.ए. भाग - II

प्रश्न-पत्र- I

जनजाति का समाजशास्त्र

Maxi. Marks- 75

(Paper Code SO-107)

- इकाई-1 जनजाति : अवधारणा, विशेषताएँ, जनजाति और अनुसूचित जनजातियाँ, जनजाति और जाति में अन्तर।
- इकाई-2 जनजातीय समुदाय का वर्गीकरण : खाद्य संग्रहण एवं शिकारी, स्थानान्तरित कृषि, खानाबदोश, स्थाई कृषक और कारीगर।
- इकाई-3 सामाजिक-सांस्कृतिक पृष्ठभूमि : नातेदारी, विवाह, परिवार, धर्म, सांस्कृतिक आस्था और परम्परा।
- इकाई-4 सामाजिक संवेदीकरण: जनजाति गतिशीलता, जनजाति विकास के योजना, विभिन्न जनजाति आन्दोलन।
- इकाई-5 छत्तीसगढ़ की विशेष पिछड़ी जनजातियाँ : आबुझमाड़िया, पहाड़ी कोरवा, बिरहोर, कमार, बैगा, पण्डो और भुजिया।

Recommended Books:

- 1 Vidyarthi, L.P. 1965. Cultural of Counters of Tribal Bihar, Punthi Pustak, Calcutta.
- 2 Bose, N.K. 1971. Tribal Life in India, National Book Trust, New Delhi.
- 3 Das, R.K. 1988. The Tribal Social Structure, Inter India Publications, New Delhi.
- 4 Dubey, S.C. 1977. Tribal Heritage of India, Ethnicity, Identity and Iteration, Vol. 1, Vikash Publishing House, Delhi.
- 5 Elwin, Verrier. 1989. The Tribal World of Verrier Elwin: An Autobiography, Oxford, New Delhi.
- 6 Russell, R.V. and Hira Lal. 1916. The Tribes and Castes of Central Proviencie of India, Vol. 4, Cosmo Publications, New Delhi.

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समाजशास्त्र

बी.ए. भाग – II

प्रश्न-पत्र- II

अपराध और समाज

(Paper Code SO-108)

Maxi. Marks- 75

इकाई-1 अपराध की अवधारणा: अर्थ, विशेषताएँ और प्रकार, अपराध के समप्रदाय –शास्त्रीय, समाजशास्त्रीय और मनोवैज्ञानिक।

इकाई-2 अपराध की संरचना: नियमहीन अपराधिता-आत्महत्या, संगठित अपराध, सफेदपोश अपराध और साइबर अपराध।

इकाई-3 सामाजिक बुराईयों: अपराध :मद्यपान, मादक द्रव्यव्यसन, दहेजप्रथा और भिक्षावृत्ति।

इकाई-4 दण्ड : अर्थ, विशेषताएँ, उद्देश्य, प्रकार और दण्ड के प्रमुख सिद्धान्त।

इकाई-5 सुधारात्मक प्रक्रिया : भारत में पुलिस और न्यायपालिका की भूमिका, भारत में जेल सुधार का विकास, आधुनिक सुधारात्मक अवधारणाएँ- प्रोबेशन, पैरोल और उत्तर-संरक्षण कार्यक्रम।

Recommended Books:

- 1 Mike & Maguire. (2007). The Oxford Hand Book of Criminology. London: Oxford University Press.
- 2 Haster, S. & Eglin, P. (1992). A Sociology of Crime. London: Routledge Publishers.
- 3 Mead, G.H. (1934). Mind Self and Society. Chicago University Press.
- 4 Gottfredson, Michael, R., Hirschi & Travis. (1990). A General Theory of Crime. London: Stanford University Press.
- 5 Sutherland & Edwin, H. (1924). Principles of Criminology. Chicago: Chicago University Press.
- 6 Sutherland, Edward, H. & White, C. (1949). Crime. New York, Holt, Rinehart: Winston Press, New York.

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समाजशास्त्र
बी.ए. भाग- III

Maxi. Marks- 75

प्रश्न पत्र- I
समाजशास्त्रीय विचार
(Paper Code SO-109)

इकाई-I अगस्ट कॉम्प्टे: त्रिस्तरीय सिद्धांत, प्रत्यक्षीकरण, विज्ञान का स्तरिकरण,
दुर्खीम: सामाजिक एकता और आत्महत्या

इकाई-II कार्ल मार्क्स: द्विधात्मक भौतिकवाद, वर्ग संघर्ष, अतिरिक्त मूल्य,
मैक्स वेबर: नौकरशाही, सत्ता तथा प्रोटेस्टेंट आचार, पूंजीवाद की आत्मा

इकाई-III विश्लेषणात्मक परम्परा-(अ) इरविन गोफमैन, (ब) क्लिफोर्ड गिट्ज़

इकाई -IV उत्तरआधुनिकता-(अ) मिशेल फुको, (ब) यूगेन हेबर मास

इकाई - V भारत में समाजशास्त्रीय चिंतन का विकास:

महात्मा गांधी: अहिंसा, सत्याग्रह और संस्कृति।

राधाकमल मुखर्जी: मूल्य की अवधारणा।

Recommended Books:

- 1 Barres, H.E. : Introduction to the sociology, Chicago the university of Chicago press 1959.
- 2 Coser,Levis a.,: Master of sociological thought, New York Harcourt Brace Jovanovich 1979.
- 3 Singh, Yogendra- Indian sociology:social conditioning and emerging trends. New Delhi vistaar 1986.
- 4 Zeitlin,Irving-(Indian edition) Rethinking sociology: A critique of contemporary theory , Jorpur Rawl 1999.

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बी.ए. भाग – III

प्रश्न-पत्र- II

सामाजिक अनुसंधान की विधियाँ

(Paper Code SO-110)

Maxi. Marks- 75

इकाई-1 सामाजिक अनुसंधान : अर्थ, विशेषताएँ और महत्व, वैज्ञानिक पद्धति, उपकल्पना।

इकाई-2 गुणात्मक अनुसंधान: नृजातीय विज्ञान, अवलोकन, वैयक्तिक अध्ययन, अन्तर्वस्तु विश्लेषण।

इकाई-3 अनुसंधान प्ररचना : गणवेषनात्मक, व्याख्यात्मक, विवरणात्मक, प्रयोगात्मक एवं निदानात्मक।

इकाई-4 सामाजिक अनुसंधान की तकनीक और उपकरण : सामाजिक सर्वेक्षण, निदर्शन, प्ररनावली, साक्षात्कार-अनुसूची, साक्षात्कार निर्देशिका।

इकाई-5 सामाजिक सांख्यिकी : अर्थ, महत्व एवं सीमाये, ग्राफ, चित्र और केन्द्रीय प्रवृत्तियों की माप, माध्य, माध्यिका, बहुलक, सह-संबंध, सामाजिक अनुसंधान में कम्प्यूटर का प्रयोग।

Recommended Books:

1. Young, P.V. (1977). Scientific Social Surveys and Research. Prentice Hall of India New Delhi.
2. Bruce, C., & Margaret, M. (1993) Approaches to Social Research. New York: Oxford University press.
3. Cohen, M., & Nagel, E. (1994). An Introduction to Logic and Scientific Methods. New York: Harcourt, Brace & Company.
4. Forcese, D. & Richer, S.(1973). Social Research Methods. Cliffs: Englewood, Cliffs, NJ. Prentice Hall.
5. Moser, C.A. (1962). Survey Methods in Social Research Investigation. London: Heinemann Prentice Hall.
6. Goode, & Hatt. (1952). Methods in Social Research. New York: MC'graw hill Publishers.

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(N.S.E.K.A.)

Program: B.A./B.Sc.		Class: III Year.	Session : 2023-24
Paper I: Remote Sensing And GIS (UGeo-0301)			
Course Learning Outcome (CLO)	After the completion of course, the students will have ability to: <ol style="list-style-type: none"> 1. Understand and get the knowledge about fundamental concept of Remote sensing. 2. To understand the types of remote sensing, and types of platforms in remote sensing. 3. To get a knowledge about satellite sensor and types of sensors, and their functions and Characteristics. 4. Understand the data product, types of data product and its applications and uses in remote Sensing. 		
Content of the Course			
Unit	Topic		
1.	Basics of Remote Sensing: definition, history, and Scope; Electro-magnetic Radiation: Characteristics, Spectral regions and Bands; Interaction with earth surface features and atmosphere; Spectral Signature		
2.	Types of Remote Sensing: Air borne and Space borne; Aerial photos: Types and Characteristics; Remote Sensing satellites: Platforms and sensors: active and passive, Sensor characteristics: spatial resolution, spectral resolution, radiometric resolution, temporal resolution.		
3.	Visual and Digital image processing techniques; Remote Sensing application in resource mapping and environmental monitoring, remote sensing in India: development and Growth. Indian Satellites, Space Organizations and data products.		
4.	Introduction of GIS: Definition of Geoinformatics, Scope and Importance of Geoinformatics, History of GIS, Components of GIS, Functions of GIS, GIS tasks-Input, Manipulation, Management, Query analysis, Visualization, Topographical sheets, Surveying, Aerial photographs, Satellite data and images, Data types-Spatial and Non spatial.		
5.	Data model and data analysis: Raster data and their characteristics, Vector data and their characteristics, Raster data analysis- grid cells or Pixels. Vector data analysis- Spatial data, Generation in Vector Format, Spatial and Non Spatial data Management. Spatial information Technology.		
Learning Resources: Text Books, Reference Books, Other Resources			
Suggested Readings:			
<ol style="list-style-type: none"> 1. Bhatta, B. (2010): Remote Sensing and GIS, Oxford University Press, New Delhi. 2. Campbell, J.B. (2002): Introduction to Remote Sensing. 5th edition, Taylor and Francis, London 3. Curran, P.J. (1985): Principles of Remote Sensing, Longman, London 4. Lillesand, T.M. and Kiefer, R.W. (2000): Remote Sensing and Image Interpretation. 4th edition. John Wiley and Sons, New York 5. Nag Prithvish and Kudrat M. (1998): Digital Remote Sensing, Concept Publishing Company, New Delhi 6. Star J, and J. Estes, (1994), Geographic Information Systems: An Introduction, Prentice Hall, New Jersey. 7. Williams J. (1995): Geographic information from space, John Wiley and Sons, England, 8. चौनियाल, देवी दत्त (2004). सुदूर संवेदन एवं भौगोलिक सूचना प्रणाली, चारदा पुस्तक भवन, इलाहाबाद-2 9. खत्री, हरीश कुमार (2019) : सुदूर संवेदन तकनीक, कैलाश पुस्तकसदन भोपाल, मध्यप्रदेश 			
Suggested equivalent online course: 1. epgp.inflibnet.ac.in 2. virtual lectures available on you tube			

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(Dr. Anil Kumar)

Program: B.A./B.Sc		Class: III Year.	Session : 2023-24
Paper II: Geography of Chhattisgarh (UGeo-0302)			
Course Learning Outcome (CLO)	After the completion of course, the students will have ability i. Understand the about the physiographic division of Chhattisgarh State. ii. Understand the India Drainage system of Chhattisgarh Rivers. iii. Understand the climatic variation in Chhattisgarh State. iv. Examine and understand the types of vegetation of Chhattisgarh. v. Understand the variation in industrial development in Chhattisgarh State. vi. Examine and understand the developed and underdeveloped States in Chhattisgarh.		
Content of the Course (Credit- 6)			
Unit	Topic		
1.	Physical Features : Geological Structure, Relief and Physiographic Regions, Drainage system, Climate		
2.	Natural Resources: Soils – Types, characteristics and their Distribution. Water Resources (Major Irrigation and Hydel Power Projects), Forests-types, Distribution, and Conservation of Forest. Mineral Resources: Iron-ore, Coal, Lime stone, Bauxite, Tin.		
3.	Agriculture and Populations – Agriculture: Cereals, Pulses and Millets. Population: Growth, Distribution, and Density; Tribal Populations; and Urban and Rural Population.		
4.	Industries - Iron and Steel, Cement, Sugar, Aluminum; Industrial Regions of Chhattisgarh		
5.	Trade and Transport, Tourism, Socio-Economic Development of Chhattisgarh.		
Learning Resources: Text Books, Reference Books, Other Resources			
Suggested Readings:			
1. Jha, Vibhash Kumar and Saumya Naiyyar (2013) Chhattisgarh Samagra, Chhattisgarh Rajya Hindi Granth Akadmi, Raipur 2. Kumar, Pramila (2003): Chhattisgarh Ek Bhugolik Addhyayan. Madhya Pradesh Hindi Granth Akadmi, Bhopal 3. Nagesh Jitendra and at all (2014): Chhattisgarh Sandarbh 2014 Jansanmpark Vibhag, C.G. Govt., Raipur 4. Tiwari, Vijay Kumar (2004): Geography of Chhattisgarh, Himalya Publishing House, Pvt. Ltd 5. Tripathi, Kaushlendra and Pursottam Chandrakar (2001): Geography of Chhattisgarh, Shardaprasakashan, Aazad Nagar , Bilaspur. 6. Verma ,L.N. (2017): Geography of Chhattisgarh, Madhya Pradesh Hindi Granth Akadmi, Bhopal.			
Suggested equivalent online course: 1. epgp.inflibnet.ac.in			
2. virtual lectures available on YouTube			

Head

Prof

Prof

Ar. Sheela Shinde

Program: B.A./B.Sc		Class: III Year.	Session : 2023-24
Paper II: Geography of Chhattisgarh (UGeo-0303)			
Course Learning Outcome (CLO)	After the completion of course, the students will have ability		
	i. Understand the about the physiographic division of Chhattisgarh State.		
	ii. Understand the India Drainage system of Chhattisgarh Rivers.		
	iii. Understand the climatic variation in Chhattisgarh State.		
	iv. Examine and understand the types of vegetation of Chhattisgarh.		
	v. Understand the variation in industrial development in Chhattisgarh State.		
	vi. Examine and understand the developed and underdeveloped States in Chhattisgarh.		
Content of the Course			
Unit	Topic		
Section A: Map Readings And Interpretation			MM-20
1.	Graphical Representation: Band graph		
2.	Topographical Sheets: Classification and numbering system (National and International)		
3.	Satellite Imageries: Describing the Marginal Information		
Section B: Surveying And Field Report			MM-20
4.	Surveying: Plane Table Survey, Basic Principles of plane table surveying, Plane table survey including intersection and resection.		
5.	Field work and field report: physical, social and economic survey of a micro - region.		
Section C: Practical Record And Viva Voce			MM-10
Learning Resources: Text Books, Reference Books, Other Resources			
Suggested Readings:			
1. Archer, J.E. and Dalton, T.H. (1968): <i>Field Work in Geography</i> . William Clowes and Sons Ltd. London and Beccles.			
2. Bolton, T. and Newbury, P.A. (1968): <i>Geography through Fieldwork</i> . Blandford Press, London.			
3. Monkhouse, F. J. (1985): <i>Maps and Diagrams</i> . Methuen, London.			
4. Nag, P. (ed.) (1992): <i>Thematic Cartography and Remote Sensing</i> . Concept Publishing Company, New Delhi.			
5. Natrajan, V. (1976): <i>Advanced Surveying</i> , B.I. Publications., Mumbai.			
6. Raisz, E. (1962): <i>Principles of Cartography</i> , McGraw Hill, New York.			
7. Robinson, A. H., Sale. R. D., Morrison, J. L. and Muehrcke, P. C. (1984): <i>Elements of Cartography</i> . 5th edition, John Wiley and Sons, Inc. New York.			
8. Sarkar, A. K. (1997): <i>Practical Geography: A Systematic Approach</i> . Orient Longman, Kolkata			
9. Sharma, J. P. (2001): <i>Prayogik Bhugol</i> , Rastogi Publication, Meerut 3 rd edition.			
10. Singh, R.L. and Singh Rana P.B. (1993): <i>Elements of Practical Geography</i> . (Hindi and English editions). Kalyani Publishers, New Delhi.			
11. Stoddard, Robert H. (1982): <i>Field Techniques and Research Methods in Geography</i> . Kendall/Hunt Pub. Dubuque IO.			
Suggested equivalent online course: 1. epgp.inflibnet.ac.in 2. virtual lectures available on YouTube			

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Scheme of B. Sc. Mathematics

Year	Course Code	Subject Name	Theory/ Practical	Total Credit	Total Marks		
					Max	Min	
First year	MATH-1T	Calculus	Theory	4	50	33	
	MATH-2T	Algebra	Theory	4	50		
	MATH-1P (Any One)	Lab 1 : Calculus and Algebra	Practical	2	50	17	
		Project 1 : History of Mathematicians	Project	2	50	17	
Second year	MATH-3T	Differential Equations	Theory	4	50	33	
	MATH-4T	Real Analysis	Theory	4	50		
	MATH-2P (Any One)	Lab 2 : Differential Equations and Real Analysis	Practical	2	50	17	
		Project 2 : History of Mathematicians	Project	2	50	17	
Third year	MATH-5T Optional I (Any One)	Mechanics	Theory	4	50	33	
		Numerical Methods	Theory	4	50		
		Linear Algebra	Theory	4	50		
		Integral Transforms and Fourier Analysis	Theory	4	50		
	MATH-6T Optional II (Any One)	Discrete Mathematics	Theory	4	50		
		Tensors and Differential Geometry	Theory	4	50		
		Number Theory	Theory	4	50		
		Probability and Statistics	Theory	4	50		
	MATH-3P (Any One)	Lab 3 : Mathematics Paper 1 and Paper 2	Practical	2	50		17
		Project 3 : History of Mathematicians	Project	2	50		17

Note: There shall be four extra credits in all the years of under graduation for internship/apprenticeship. The certificate of extra credits would be provided by the concern university and is not mandatory.

Part A: Introduction			
Program: Degree Course		Class: B. A. / B.Sc. Part III	Year: 2022 Session:2024-2025
1	Course Code	Paper – MATH – 5T(I)	
2	Course Title	Mechanics	
3	Course Type	Theory	
4	Pre-requisite (if any)	No	
5	Course Learning Outcome (CLO)	<p>This Course will enable the students to:</p> <ul style="list-style-type: none"> • Familiarize with subject matter, which has been the single centre, to which were drawn mathematicians, physicists, astronomers and engineers together. • Understand necessary conditions for the equilibrium of particles acted upon by various forces and learn the principle of virtual work for a system of coplanar forces acting on a particle. • Determine the centre of gravity of materialistic systems and discuss the equilibrium of a uniform cable hanging freely under its own weight. • Deal with the kinematics and kinetics of the rectilinear and planar motions of a particle including the constrained oscillatory motions of particle. • Learn that a particle moving under a central force describes a plane curve and know the Kepler's laws of the planetary motions, which were deduced by him long before the mathematical theory given by Newton. 	
6	Credit Value	4	
7	Total Marks	Maximum Marks : 50	Minimum Passing Marks : 17

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Part B: Content of the Course

Total Periods: 60

Unit	Topics	No. of Periods
I	Statics: Coplanar forces, Couples, Moment of force and a couple about a point and a line, Equilibrium of a particle and of a system of particles; Work and potential energy, Principle of virtual work for a system of coplanar forces acting on a particle, Forces which can be omitted in forming the equations of virtual work.	12
II	Centre of Gravity and Common Catenary: Concepts of Centre of mass and Centre of gravity, Centre of gravity of an uniform arc, plane area and solids of revolution; Common catenary, Approximations of a catenary.	12
III	Rectilinear Motion: Simple harmonic motion and its geometrical representation, Motion under inverse square law, Motion in resisting media, Concept of terminal velocity, Motion of varying mass.	12
IV	Motion in a Plane: Kinematics and kinetics of motion, Expressions for velocity and acceleration in cartesian, polar and intrinsic coordinates; Motion in a vertical circle, projectile and cycloidal motion.	12
V	Central Orbits: Equation of motion under a central force, Differential equation of an orbit, (p, r) equation of an orbit, Apses and apsidal distances, Areal velocity, Characteristics of central orbits, Kepler's laws of planetary motion.	12

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Part C - Learning Resource

Text Books, Reference Books:

1. R. S. Varma (1962). *A Text Book of Statics*. Pothishala Pvt. Ltd.
2. P.L. Srivastava (1964). *Elementary Dynamics*. Ram Narain Lal, Beni Prasad Publishers Allahabad.
3. J. L. Synge & B. A. Griffith (1949). *Principles of Mechanics*. McGraw-Hill.
4. S.L. Loney (2006). *An Elementary Treatise on the Dynamics of a Particle and of Rigid Bodies*. Read Books.
5. A. S. Ramsey (2009). *Statics*. Cambridge University Press.
6. A. S. Ramsey (2009). *Dynamics*. Cambridge University Press.

E-Resources

1. Suggested Equivalent **online courses**: Web link NPTEL/ SWAYAM/ MOOCs
2. <https://www.youtube.com/playlist?list=PLwdnzlV3ogoXUuQmP-T2gPhYXeEexP6U8>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

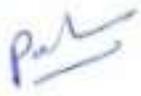
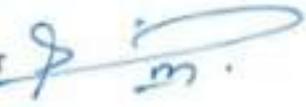
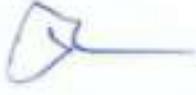
Maximum Marks:

50 Marks

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Part A: Introduction			
Program: Degree Course		Class: B. A. / B.Sc. Part III	Year: 2022 Session:2024-2025
1	Course Code	Paper – MATH – 5T(II)	
2	Course Title	Numerical Methods	
3	Course Type	Theory	
4	Pre-requisite (if any)	No	
5	Course Learning Outcome (CLO)	<p>This Course will enable the students to:</p> <ul style="list-style-type: none"> • Obtain numerical solutions of algebraic and transcendental equations. • Find numerical solutions of system of linear equations and to check the accuracy of the solutions. • Learn about various interpolating and extrapolating methods to find numerical solutions. • Solve initial and boundary value problems in differential equations using numerical methods. • Apply various numerical methods in real life problems. 	
6	Credit Value	4	
7	Total Marks	Maximum Marks : 50	Minimum Passing Marks : ...

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	No. of Periods
I	Numerical methods for solving algebraic and transcendental equations: Round-off error and computer arithmetic, Local and global truncation errors, Algorithms and convergence; Bisection method, false position method, fixed point iteration method, Newton's method and secant method for solving equations.	12
II	Numerical Methods for Solving Linear Systems: Partial and scaled partial pivoting, LU decomposition and its applications, Thomas method for tridiagonal systems; Gauss-Jacobi, Gauss-Seidel and successive over-relaxation (SOR) methods.	12
III	Interpolation: Lagrange and Newton interpolations, Piecewise linear interpolation, Cubic spline interpolation, Finite difference	12

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	operators, Gregory-Newton forward and backward difference interpolations.	
IV	Numerical Differentiation and Integration: First order and higher order approximation for first derivative, Approximation for second derivative; Numerical integration: Trapezoidal rule, Simpson's rule and its error analysis, Bulirsch-Stoer extrapolation methods, Richardson extrapolation.	12
V	Initial and Boundary Value Problems of Differential Equations: Euler's method, Runge-Kuttamethods, Higher order one step method, Multi-step methods; Finite difference method, Shooting method, Real life examples: Google search engine, 1D and 2D simulations, Weather forecasting.	12

Part C - Learning Resource

Text Books and Reference Books:

1. Brian Bradie , *A Friendly Introduction to Numerical Analysis*. Pearson. 2006
2. C. F. Gerald & P. O. Wheatley. *Applied Numerical Analysis* (7th edition), Pearson Education, India. 2008
3. M.K. Jain, S. R. K. Iyengar & R. K. Jain. *Numerical Methods for Scientific and Engineering Computation* (6th edition). New Age International Publishers. 2012
4. Robert J. Schilling & Sandra L. Harris. *Applied Numerical Methods for Engineers Using MATLAB and C*. Thomson-Brooks/Cole. 1999

E- Resources:

1. Suggested Equivalent **online courses:** Web link NPTEL/ SWAYAM/ MOOCs
2. <https://www.youtube.com/watch?v=pOtnzAXIXvI&list=PL3pGy4HtqwD0CWdFuygdF-gk0ORk5EFZg>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

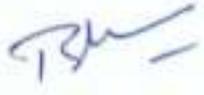
Maximum Marks:

50 Marks

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Part A: Introduction			
Program: Degree Course		Class: B. A. / B.Sc. Part III	Year: 2022 Session:2024-2025
1	Course Code	Paper – MATH – 5T(III)	
2	Course Title	Linear Algebra	
3	Course Type	Theory	
4	Pre-requisite (if any)	No	
5	Course Learning Outcome (CLO)	<p>This Course will enable the students to:</p> <ul style="list-style-type: none"> • Learn about properties of linear transformation and isomorphism theorems. • Understand the concept of polynomials and their prime factorization. • Find canonical form of linear transformations. • Obtain various variants of diagonalisation of linear transformations. • Apply Cauchy-Schwarz inequality for deriving metric on inner product spaces and obtain orthonormal basis using Gram-Schmidt orthogonalisation. 	
6	Credit Value	4	
7	Total Marks	Maximum Marks : 50	Minimum Passing Marks :

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	No. of Periods
1	Properties of Linear Transformation: Vector spaces, Linearly independent and dependent sets, Bases and dimension, Linear transformation, Linear functional, Dual spaces and second dual space, Transpose of linear transformation, Algebra of linear transformations, Isomorphism theorems.	12

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II	Polynomials: Algebras, The algebra of polynomials, Lagrange interpolation, Vandermonde matrix, Polynomial ideals, Taylor's formula, The prime factorization of a polynomial, Algebraically closed fields.	12
III	Elementary Canonical Forms: Determinant functions, Characteristic values of a linear transformation, Cayley-Hamilton theorem for linear transformations, Annihilating polynomials, Invariant subspaces, Minimal and characteristic polynomials.	12
IV	Diagonalisation and Jordan Canonical Form: Diagonalisability of linear transformations, Direct sum decomposition, Invariant direct sums, The primary decomposition theorem, Triangular form, Jordan canonical form, trace and transpose.	12
V	Inner Product Spaces: Definition and examples of inner product space, orthogonality, Cauchy-Schwarz inequality, Gram-Schmidt orthogonalisation, Diagonalisation of symmetric matrices, Hermitian, Unitary and normal operators.	12

Part C - Learning Resource

Text Books, Reference Books,

1. I. M. Gel'fand. *Lectures on Linear Algebra*. Dover Publications. 1989
2. Kenneth Hoffman & Ray Kunze. *Linear Algebra* (2nd edition). Prentice-Hall. 2015
3. Nathan Jacobson. *Basic Algebra I* (2nd edition). Dover Publications. 2009
4. Nathan Jacobson *Basic Algebra II* (2nd edition). Dover Publications. 2009.
5. Serge Lang *Introduction to Linear Algebra* (2nd edition). Springer India. 2005.
6. Gilbert Strang. *Linear Algebra and its Applications* (2nd edition). Elsevier. 2014

E- Resources:

1. Suggested Equivalent **online courses:** Web link NPTEL/ SWAYAM/ MOOCs
2. https://www.youtube.com/watch?v=9h_Q-R6sXbM&list=PL7oBzLzHZlwXQvQ938Wgl-soq09GywgOw

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

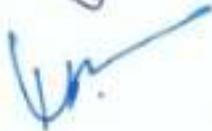
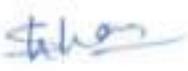
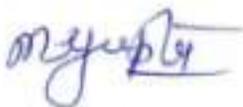
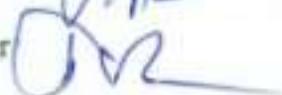
Maximum Marks:

50 Marks

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Part A: Introduction			
Program: Degree Course		Class: B. A. / B.Sc. Part III	Year: 2022 Session:2024-2025
1	Course Code	Paper – MATH – 5T(IV)	
2	Course Title	Integral Transforms and Fourier Analysis	
3	Course Type	Theory	
4	Pre-requisite (if any)	No	
5	Course Learning Outcome (CLO)	<p>This Course will enable the students to:</p> <ul style="list-style-type: none"> • Know about piecewise continuous functions, Dirac delta function, Laplace transforms and its properties. • Solve ordinary differential equations using Laplace transforms. • Explain Parseval's identity, Plancherel's theorem and applications of Fourier transforms to boundary value problems. • Learn Fourier series, Bessel's inequality, term by term differentiation and integration of Fourier series. 	
6	Credit Value	4	
7	Total Marks	Maximum Marks : 50	Minimum Passing Marks :

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	No. of Periods
I	Laplace Transforms: Integral transform, Kernel of an integral transform, Reduction of integral transform into Laplace transform, Linearity, Existence theorem, Laplace transforms of derivatives and integrals, Shifting theorems, Change of scale property, Laplace transforms of periodic functions, Dirac's delta function.	12
II	Further Properties of Laplace Transforms and Applications: Differentiation and integration of transforms, Convolution theorem, Integral equations, Inverse Laplace transform, Lerch's theorem, Linearity property of inverse Laplace transform, Translations theorems of inverse Laplace transform, Inverse	12

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	transform of derivatives, Applications of Laplace transform in obtaining solutions of ordinary differential equations and integral equations.	
III	Fourier Transforms: Fourier and inverse Fourier transforms, Fourier sine and cosine transforms, Inverse Fourier sine and cosine transforms, Linearity property, Change of scale property, Shifting property, Modulation theorem, Relation between Fourier and Laplace transforms.	12
IV	Solution of Equations by Fourier Transforms : Solution of integral equation by Fourier sine and cosine transforms, Convolution theorem for Fourier transform, Parseval's identity for Fourier transform, Plancherel's theorem, Fourier transform of derivatives, Applications of infinite Fourier transforms to boundary value problems, Finite Fourier transform, Inversion formula for finite Fourier transforms.	12
V	Fourier Series: Fourier cosine and sine series, Fourier series, Differentiation and integration of Fourier series, Absolute and uniform convergence of Fourier series, Bessel's inequality, The complex form of Fourier series.	12

Part C - Learning Resource

Text Books, Reference Books:

1. James Ward Brown & Ruel V. Churchill. *Fourier Series and Boundary Value Problems*. McGraw-Hill Education. 2011
2. Charles K. Chui. *An Introduction to Wavelets*. Academic Press 1992
3. Erwin Kreyszig. *Advanced Engineering Mathematics* (10th edition). Wiley. 2011
4. Walter Rudin. *Fourier Analysis on Groups*. Dover Publications. 2017
5. A. Zygmund. *Trigonometric Series* (3rd edition). Cambridge University Press. 2002

Other Resources:

1. Suggested Equivalent **online courses:** Web link NPTEL/ SWAYAM/ MOOCs
2. <https://www.youtube.com/watch?v=FGjMZluMRrs&list=PLhSp9OSVmeyJ5N-JUEZj7uS6lAT9a79nD>

Part D: Assessment and Evaluation

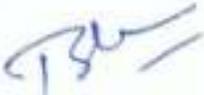
Suggested Continuous Evaluation Methods:

Maximum Marks:

50 Marks

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Part A: Introduction			
Program: Degree Course		Class: B. A. / B.Sc. Part III	Year: 2022 Session:2024-2025
1	Course Code	Paper – MATH – 6T(I)	
2	Course Title	Discrete Mathematics	
3	Course Type	Theory	
4	Pre-requisite (if any)	No	
5	Course Learning Outcome (CLO)	<ul style="list-style-type: none"> • Learn about partially ordered sets, lattices and their types. • Understand Boolean algebra and Boolean functions, logic gates, switching circuits and their applications. • Solve real-life problems using finite-state and Turing machines. • Assimilate various graph theoretic concepts and familiarize with their applications. 	
6	Credit Value	4	
7	Total Marks	Maximum Marks : 50	Minimum Passing Marks :

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	No. of Periods
I	Partially Ordered Sets: Definitions, examples and basic properties of partially ordered sets (poset), Order isomorphism, Hasse diagrams, Dual of a poset, Duality principle, Maximal and minimal elements, Least upper bound and greatest upper bound, Building new poset, Maps between posets.	12
II	Lattices: Lattices as posets, Lattices as algebraic structures, Sublattices, Products and homomorphisms; Definitions, examples and properties of modular and distributive lattices; Complemented, relatively complemented and sectionally complemented lattices.	12
III	Boolean Algebras and Switching Circuits: Boolean algebras, De Morgan's laws, Boolean homomorphism, Representation theorem; Boolean polynomials, Boolean polynomial functions, Disjunctive	12

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	and conjunctive normal forms, Minimal forms of Boolean polynomials, Quine-McCluskey method, Karnaugh diagrams, Switching circuits and applications.	
IV	Finite-State and Turing Machines: Finite-state machines with outputs, and with no output; Deterministic and nondeterministic finite-state automaton; Turing machines: Definition, examples, and computations.	12
V	Graphs: Definition, examples and basic properties of graphs, Königsberg bridge problem; Subgraphs, Pseudographs, Complete graphs, Bipartite graphs, Isomorphism of graphs, Paths and circuits, Eulerian circuits, Hamiltonian cycles, Adjacency matrix, Weighted graph, Travelling-salesman problem, Shortest path, Dijkstra's algorithm.	12

Part C - Learning Resource

Text Books and Reference Books:

1. B. A. Davey & H. A. Priestley . *Introduction to Lattices and Order* (2nd edition). Cambridge University Press. 2002
2. Edgar G. Goodaire & Michael M. Parmenter. *Discrete Mathematics with Graph Theory* (3rd edition). Pearson Education. 2018
3. Rudolf Lidl & Günter Pilz. *Applied Abstract Algebra* (2nd edition). Springer. 1998
4. Kenneth H. Rosen. *Discrete Mathematics and its Applications: With Combinatorics and Graph Theory* (7th edition). McGraw-Hill. 2012
5. C. L. Liu *Elements of Discrete Mathematics* (2nd edition). McGraw-Hill. 1985

E-Resources:

1. Suggested Equivalent **online courses:** Web link NPTEL/ SWAYAM/ MOOCs
2. <https://www.youtube.com/watch?v=hkIHg9oMkGA&list=PLwdnzjV3ogoVxVxCTII45pDVMlaoYoMHf>

Part D: Assessment and Evaluation

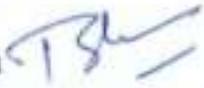
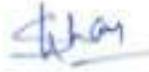
Suggested Continuous Evaluation Methods:

Maximum Marks:

50 Marks

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Part A: Introduction			
Program: Degree Course		Class: B. A. / B.Sc. Part III	Year: 2022 Session: 2024-2025
1	Course Code	Paper – MATH – 6T(II)	
2	Course Title	Tensors and Differential Geometry	
3	Course Type	Theory	
4	Pre-requisite (if any)	No	
5	Course Learning Outcome (CLO)	<ul style="list-style-type: none"> • Explain the basic concepts of tensors. • Understand role of tensors in differential geometry. • Learn various properties of curves including Frenet - Serret formulae and their applications. • Know the Interpretation of the curvature tensor, Geodesic curvature, Gauss and Weingarten formulae. • Understand the role of Gauss's Theorema Egregium and its consequences. • Apply problem-solving with differential geometry to diverse situations in physics, engineering and in other mathematical contexts. 	
6	Credit Value	4	
7	Total Marks	Maximum Marks : 50	Minimum Passing Marks :

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	No. of Periods
I	Tensors: Contravariant and covariant vectors, Transformation formulae, Tensor product of two vector spaces, Tensor of type (r, s) , Symmetric and skew-symmetric properties, Contraction of tensors, Quotient law, Inner product of vectors.	12
II	Further Properties of Tensors: Fundamental tensors, Associated covariant and contravariant vectors, Inclination of two vectors and orthogonal vectors, Christoffel symbols, Law of transformation of Christoffel symbols, Covariant derivatives of covariant and contravariant vectors, Covariant differentiation of tensors, Curvature tensor, Ricci tensor, Curvature tensor identities.	12
III	Curves in \mathbb{R}^2 and \mathbb{R}^3: Basic definitions and examples, Arc length, Curvature and the Frenet-Serret formulae, Fundamental existence and uniqueness theorem for curves, Non-unit speed curves.	12

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IV	Surfaces in \mathbb{R}^3: Basic definitions and examples, The first fundamental form, Arc length of curves on surfaces, Normal curvature, Geodesic curvature, Gauss and Weingarten formulae, Geodesics, Parallelvector fields along a curve and parallelism.	12
V	Geometry of Surfaces: The second fundamental form and the Weingarten map; Principal, Gauss and mean curvatures; Isometries of surfaces, Gauss's Theorema Egregium, The fundamental theorem of surfaces, Surfaces of constant Gauss curvature, Exponential map, Gauss lemma, Geodesic coordinates, The Gauss-Bonnet formula and theorem.	12

Part C - Learning Resource

Text Books, Reference Books:

1. Christian Bär. *Elementary Differential Geometry*. Cambridge University Press. 2010
2. Manfredo P. do Carmo. *Differential Geometry of Curves & Surfaces* (Revised and updated 2nd edition). Dover Publications. 2016
3. Alfred Gray. *Modern Differential Geometry of Curves and Surfaces with Mathematica* (4th edition). Chapman & Hall/CRC Press, Taylor & Francis. 2018
4. Richard S. Millman & George D. Parkar. *Elements of Differential Geometry*. Prentice-Hall. 1977
5. R. S. Mishra. *A Course in Tensors with Applications to Riemannian Geometry*. Pothishala Pvt. Ltd. 1965
6. Sebastián Montiel & Antonio Ross. *Curves and Surfaces*. American Mathematical Society. 2009

E-Resources

1. Suggested Equivalent **online courses:** Web link NPTEL/ SWAYAM/ MOOCs
2. <https://www.youtube.com/watch?v=OyOj-RWLuV4>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

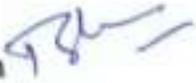
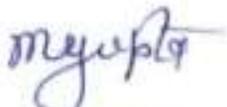
Maximum Marks:

50 Marks

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Part A: Introduction			
Program: Degree Course		Class: B. A. / B.Sc. Part III	Year: 2022 Session:2024-2025
1	Course Code	Paper – MATH – 6T(III)	
2	Course Title	Number Theory	
3	Course Type	Theory	
4	Pre-requisite (if any)	No	
5	Course Learning Outcome (CLO)	<ul style="list-style-type: none"> • Some of the open problems related to prime numbers, viz., Goldbach conjecture etc. • About number theoretic functions and modular arithmetic. • Public crypto systems, in particular, RSA. 	
6	Credit Value	4	
7	Total Marks	Maximum Marks : 50	Minimum Passing Marks : 17

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	No. of Periods
I	Distribution of Primes and Theory of Congruencies: Linear Diophantine equation, Prime counting function, Prime number theorem, Goldbach conjecture, Fermat and Mersenne primes, Congruence relation and its properties, Linear congruence and Chinese remainder theorem, Fermat's little theorem, Wilson's theorem.	12
II	Number Theoretic Functions: Number theoretic functions for sum and number of divisors, Multiplicative function, The Mobius inversion formula, The greatest integer function. Euler's phi-function and properties, Euler's theorem.	12
III	Primitive Roots: The order of an integer modulo n , Primitive roots for primes, Composite numbers having primitive roots; Definition of quadratic residue of an odd prime, and Euler's criterion.	12

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IV	Quadratic Reciprocity Law and Public Key Encryption: The Legendre symbol and its properties, Quadratic reciprocity, Quadratic congruencies with composite moduli.	12
V	Applications: Public key encryption, RSA encryption and decryption, Some important application.	12

Part C - Learning Resource

Text Books and Reference Books

1. David M. Burton. *Elementary Number Theory* (7th edition). McGraw-Hill. 2007
2. Gareth A. Jones & J. Mary Jones. *Elementary Number Theory*. Springer. 2005
3. Neville Robbins. *Beginning Number Theory* (2nd edition). Narosa. 2007

E- Resources

1. Suggested Equivalent **online courses:** Web link NPTEL/ SWAYAM/ MOOCs
2. https://www.youtube.com/watch?v=u7cBLb0b7pk&list=PL0zRYVm0a65fuj_5fuj1BLcQNUlrM4lrj

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

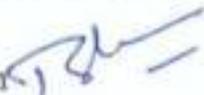
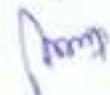
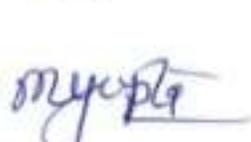
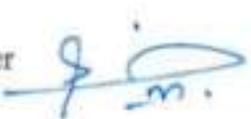
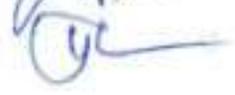
Maximum Marks:

50 Marks

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Part A: Introduction			
Program: Certificate Course		Class: B. A. / B.Sc. Part III	Year: 2022 Session: 2024-2025
1	Course Code	Paper – MATH – 6T(IV)	
2	Course Title	Probability and Statistics	
3	Course Type	Theory	
4	Pre-requisite (if any)	No	
5	Course Learning Outcome (CLO)	<ul style="list-style-type: none"> • Understand the basic concepts of probability. • Appreciate the importance of probability distribution of random variables and to know the notion of central tendency. • Establish the joint distribution of two random variables in terms their correlation and regression. • Understand Correlation , Regression, Partial and Multiple correlation. • Study Attributes, Chi-square distribution and sampling. • Learn Curve Fitting , Interpolation, Extrapolation and Finite Differences 	
6	Credit Value	4	
7	Total Marks	Maximum Marks : 50	Minimum Passing Marks :

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	No. of Periods
1	Probability and Random Variables: Axiomatic and empirical definitions of probability, Independent and dependent events, Conditional probability and Baye's theorem; Discrete and continuous random variables and their probability distributions, Cumulative distribution function, n^{th} Moments, Moment generating function, Characteristic function.	12

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II	Univariate Distributions: Discrete distributions: Bernoulli trials and Bernoulli distribution, Binomial and Poisson distributions; Continuous distributions: Uniform, Geometric, Gamma, Exponential, Beta and normal distributions; Normal approximation to the binomial distribution, Central limit theorem.	12
III	Curve Fitting , Interpolation, Extrapolation and Finite Differences: Method of least squares, Normal equation, Fitting of the curve of the type $y = ab^x$ and $y = ax^b$. Methods of Interpolation , Newton's Binomial Method, Lagrange's Interpolation Formula, Gauss's forward and backward formula, Stirling formula, Bessel's formula, Everett's formula, Divided difference table, Newton's divided difference formula.	12
IV	Correlation, Regression, Partial and Multiple Correlation: Correlation, Karl Pearson's Coefficient of correlation, Correlation of ranks, Correlation coefficient, Regression, Line of regression, Equations to the line of regression, Schwarz's Inequality, Moment of Bivariate Distribution. Multiple Correlation, Partial Correlation, Distribution of two, three and more variable, Regression Coefficient , Residuals, Standard deviation of the residuals, Multiple correlation and Partial correlation coefficient.	12
V	Attributes, Chi-square distribution and sampling: Attributes, Positive and Negative Attributes, Testing, Condition for consistence in attributes, Independence , Criterion of Independence, Association, complete association, coefficient of association, degree of association, Chi-square distribution, Origin of sampling, Essentials of sampling, Random sampling, Large samples, simple sampling, comparison of large sample, sample from different populations, level of significance, testing the significance of an observed coefficient of correlation and rank of correlation coefficient, Fisher's z-test, Small samples, t-distribution, Fisher's z-distribution, Snedecore's F-distribution.	12

Part C - Learning Resource

Text Books and Reference Books:

1. David Applebaum. *Probability and Information: An Integrated Approach*. Cambridge University Press. 1996
2. Robert V. Hogg, Joseph W. McKean & Allen T. Craig *Introduction to Mathematical Statistics* (7th edition), Pearson Education. 2013
3. Irwin Miller & Marylees Miller (2014). *John E. Freund's Mathematical Statistics with Applications* (8th edition). Pearson. Dorling Kindersley Pvt. Ltd. India.
4. Jim Pitman (1993). *Probability*, Springer-Verlag.
5. Sheldon M. Ross (2014). *Introduction to Probability Models* (11th edition). Elsevier.
6. A. M. Yaglom and I. M. Yaglom (1983). *Probability and Information*. D. Reidel Publishing Company. Distributed by Hindustan Publishing Corporation (India) Delhi.

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7. M. Ray and Sar Swarup Sharma, (1988); *Mathematical Statistics*, 8th edition Ram Prasad and Sons Agra

Other Resources:

1. Suggested Equivalent **online courses:** Web link NPTEL/ SWAYAM/ MOOCs
2. https://www.youtube.com/watch?v=CO10BUmNHT8&list=PLyqSpQzTE6M_JcleDhrVyPnE0PixKs2JE

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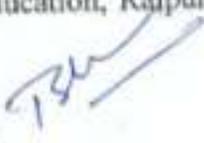
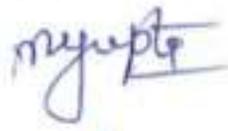
Maximum Marks:

50 Marks

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Part A: Introduction			
Program: Degree Course		Class: B.A. /B.Sc. III Year	Year: 2022 Session: 2024-2025
1	Course Code	MATH-3P (I)	
2	Course Title	I - Lab 03 - Mathematics Paper 1 and Paper 2	
3	Course Type	Practical	
4	Pre-requisite (if any)	No	
5	Course Learning Outcomes (CLO)	<p>This course will enable the students to</p> <ul style="list-style-type: none"> • Learn Free and Open Source Software (FOSS) tools for computer programming • Solve problem on mathematical theory studied in Mathematics Paper 1 and 2 by using FOSS software's. • Acquire knowledge of applications of Mathematics through FOSS. 	
6	Credit Value	2	
7	Total Marks	Max. Marks: 50	Min Passing Marks : 17

Part B: Content of the Course	
Total Periods: 30	
Tentative Practical List	<p>Mathematics practical with Free and open Source Software (FOSS) tools for computer programs, such as GeoGebra/Maxima/Scilab/ Octave /Phython/R.</p> <p>List of Practical's: (At least 10 practical's from Paper 1 and Paper 2)</p> <ul style="list-style-type: none"> • Note: Additional practical may be included in the list at the college level as per choice of optional papers <p>Mechanics: Suggested book: Scilab Textbook Companion for Engineering Mechanics by A. K. Tayal</p> <ol style="list-style-type: none"> 1. Using the Principle of Virtual Work find the force to hold the system of pulleys in equilibrium. 2. Using the Principle of Virtual Work to determine vertical and horizontal components of reactions of end points of a frame made up with hinge joints. 3. Displacement time relationship for a traveling car. 4. Displacement time relationship for a stone dropped from top of a tower.

5. Distance travelled by a particle in the n th second.

Numerical Methods: Suggested book: Scilab Textbook Companion for Numerical Methods by B. Ram

1. Program to find solution of nonlinear equations using Bisection method.
2. Program to find smallest positive root of a cubic equation using Newton's method.
3. Program to find solution of linear system of equations using Triangularization Method.
4. Program to find solution of linear system of equations using Gauss Jacobi Method.
5. Program to find solution of linear system of equations using Gauss Seidel Method.
6. Program for value of a function at given point using Newton forward difference interpolation.
7. Program for value of a function at given point using Newton backward difference interpolation.
8. Program to find first and second order approximation of first derivative of a function.
9. Program to find integral approximation by Simpson three eight rule.
10. Program to solve initial value problem using Euler's method.

Linear Algebra: Suggested book: Scilab Textbook Companion for Linear Algebra by K. Hoffman and R. Kunze

1. Program to find matrix of differential operator with respect to standard basis on the vector space of polynomial functions of degree three or less.
2. Program to find GCD to two polynomials.
3. Program to find Characteristic Polynomial of a matrix of order 2.
4. Program to find Characteristic and minimal polynomial of a matrix.

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5. Program to find Orthogonal projection in R^3 .

6. Program to find Unitary matrix.

Integral Transforms and Fourier analysis: Suggested book: Scilab Textbook Companion for Higher Engineering Mathematics by B. S. Grewal

1. Find Fourier sine integral.

2. Find Fourier transform of given function.

3. Find Fourier sine transform.

4. Find Fourier cosine transform.

Discrete Mathematics: Suggested book: Scilab Textbook Companion for Discrete Mathematics by S. Lipschutz, M. Lipson And V. H. Patil, Scilab Textbook Companion for Discrete Mathematics And Its Applications by K. H. Rosen

1. Use of Adjacency matrix

2. Use of Path matrix

Probability and Statistics: Suggested book: Scilab Textbook Companion for Probability And Statistics For Engineers And Scientists by S. M. Ross

1. Program for application of Baye's theorem.

2. Program to obtain probability of union of events.

3. Program for probability of equality likely events

4. Program for applications of Binomial distribution.

5. Program to obtain probability using Poisson distribution.

6. Program for probabilities of a uniform random variable.

7. Program to make scatter plot of two sets of data.

8. Program to fit a linear curve to a given set of data and to determine the sum of squares of the residuals.

Number Theory: Suggested book: Scilab Textbook Companion for Discrete Mathematics And Its Applications by K. H. Rosen

1. To find the quotient and remainder when an integer is divided by

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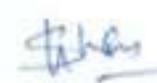
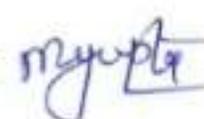
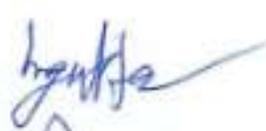
	<p>another integer.</p> <ol style="list-style-type: none"> 2. To find prime factorization of a given integer. 3. Test that a given integer is prime or not. 4. To find the greatest common divisor of two integers using recursion. 5. To find the greatest common divisor of two integers using Euclidean algorithm.
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Part C - Learning Resource		
Text Books, Reference Books, Other Resources		
<p>SUPPORT FROM THE GOVT FOR STUDENTS AND TEACHERS IN UNDERSTANDING AND LEARNING FOSS TOOLS:</p> <p>As a national level initiative towards learning FOSS tools, IIT Bombay for MHRD, government of India is giving free training to teachers interested in learning open source software's like scilab, maxima, octave, geogebra and others. (Website: http://spoken-tutorial.org;)</p>		
Part D: Assessment and Evaluation		
<p>Suggested Continuous Evaluation Methods: Maximum Marks: 50 Continuous Comprehensive Evaluation (CCE): Not Applicable University Exam (UE): 50 Marks</p>		
Internal Assessment: Continuous Comprehensive Evaluation (CCE)	Class Test/Assignment/Presentation	Not Applicable

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Dr. B.R. Ambedkar Govt. College, Baloda | - | Member |  |
| 5. Dr. Arun Kumar Mishra
Professor
Govt. DT PG College, Utai | - | Member |  |
| 6. Dr. Shabnam Khan
Professor
Govt. Digvijay PG College, Rajnandgaon | - | Member |  |
| 7. Dr. Padmavati
Professor
Govt. VYT PG Auto. College, Durg | - | Member |  |
| 8. Dr. Anjali Chandravanshi
Asst. Prof.
Govt. J.Y. Chhattisgarh College, Raipur | - | Member |  |
| 9. Manisha Gupta
Asst. Prof.
GNA Govt. PG College, Bhatapara, Raipur | - | Member |  |
| 10. Mrs. Sangeeta Pandey
Asst. Prof.
R.G. Govt. PG College, Ambikapur | - | Member |  |
| 11. Dr. S.K. Bohre
Asst. Prof.
I.G. Govt. PG College, Vaishalinagar, Bhilai | - | Member |  |
| 12. Dr. Samir Dashputre
Asst. Prof.
Govt. College, Arjunda, Balod | - | Member |  |
| 13. Dr. Chandrajeet Singh Rathore
Asst. Prof.
Govt. Jajwalyadev Naveen Girls PG College, Janjgir | - | Member |  |
| 14. Dr. Shri Nath Gupta
K. Govt. Arts & Science College, Raigarh | - | Member |  |
| 15. Dr. Raghu Nandan Patel
Asst. Prof.
Govt. MLS College, Seepat | - | Member |  |

Part A: Introduction			
Program: Degree Course		Class: B.A./ B.Sc. III Year	Year: 2022 Session: 2024-2025
1	Course Code	MATH-3P (II)	
2	Course Title	II - Project 03 - History of Mathematician	
3	Course Type	Project	
4	Pre-requisite (if any)	No	
5	Course Learning Outcomes (CLO)	<p>Studying history of mathematicians help students:</p> <ul style="list-style-type: none"> • Develop a deeper understanding of the mathematics they have already studied by seeing how it was developed over time and in various places. • Know the rich intellectual heritage of the country. • Develop an appreciation of mathematics and build positive attitude towards mathematics increasing student's motivation decreasing anxiety related the subject. • To acquire knowledge about development of mathematics in ancient , medieval and modern period of history. 	
6	Credit Value	2	
7	Total Marks	Max. Marks: 50	Min Passing Marks : 17

Part B: Content of the Course	
Total Periods: 30	
Project List	<p>Course Objectives:</p> <p>An elective course designed to acquire special / advance knowledge, such as supplement study / support study to a project work and a candidate study such a course on his own with an advisory support by a teacher / faculty member.</p> <p>Project:</p> <p>Contributions and biographies of Indian Mathematicians Swami Bharti Krishna Tirth and Ramanujan, Madhav and Neelkanth Somyaji and contribution involved in contents of the paper of opted by student. (Any 10 Mathematicians)</p>

Part C - Learning Resource

Text Books, Reference Books, Other Resources

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 50

Continuous Comprehensive Evaluation (CCE): Not Applicable

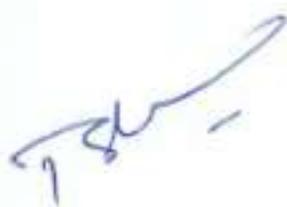
University Exam(UE): 50 Marks

Internal Assessment:

Continuous Comprehensive
Evaluation (CCE)

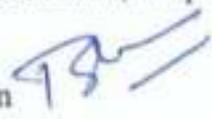
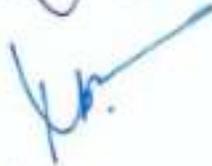
Class Test/Assignment/Presentation

Not Applicable



Declaration

This is to certify that the syllabus is framed by the Central Board of Studies (Mathematics) as per the guidelines (TOR) of the Department of Higher Education, Raipur Chhattisgarh.

- | | | | |
|--|---|----------|---|
| 1. Dr. Premlata Verma
Asst. Prof.
Govt. Bilasa Girls PG College, Bilaspur | - | Chairman |  |
| 2. Prof. R.R. Sahu
Asst. Prof.
Govt. MMR PG College, Champa | - | Member |  |
| 3. Mr. Yetendra Upadhyay
Asst. Prof.
Govt. N.K. College, Kota | - | Member |  |
| 4. Ram Lakhani Pandey
Asst. Prof.
Dr. B.R. Ambedkar Govt. College, Baloda | - | Member |  |
| 5. Dr. Arun Kumar Mishra
Professor
Govt. DT PG College, Utai | - | Member |  |
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Govt. Digvijay PG College, Rajnandgaon | - | Member |  |
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| 13. Dr. Chandrajeet Singh Rathore
Asst. Prof.
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| 15. Dr. Raghu Nandan Patel
Asst. Prof.
Govt. MLS College, Seepat | - | Member |  |

Nonparametric tests: Sign, Run, Median, Wilcoxon, Mann-Whitney tests.

5. प्रतिदर्श का चयन और प्रतिदर्श के आकार का निर्धारण। सामान्य यादृच्छिक प्रतिचयन, स्तरीकृत और व्यवस्थित प्रतिचयन स्तरीकृत प्रतिचयन में प्रतिदर्शों के बंटन की समस्या। आकलन के अनुपातीक और समाश्रयन विधियाँ।

Selection of samples and determination of sample size. Simple random sampling, Stratified and systematic sampling. Allocation problem in stratified sampling. Ratio and regression methods of estimation.

6. एक आयामी और द्वि-आयामी वर्गीकरणों के लिए प्रसरण का विश्लेषण। पूर्ण यादृच्छिक अभिकल्पना, यादृच्छिक ब्लॉक अभिकल्पना और लैटिन वर्ग अभिकल्पनाओं का विश्लेषण 2^2 और 2^3 प्रयोगों का विश्लेषण।

Analysis of variance for one way and two way classifications. Analysis of CRD, RBD and LSD. Analysis of 2^2 and 2^3 experiments.

B.A. /B.Sc. III Year
Subject: Statistics

Paper I
अनुप्रयुक्त सांख्यिकी
Applied Statistics

उपदेश: ध्यान प्राप्त करेंगे

- (अ) विभिन्न विधियों द्वारा सूचकांक संख्या की गणना।
(ब) समय श्रृंखला आंकड़े, अनेक क्षेत्रों में इनके अनुप्रयोग और इनके अवयव
(स) अनेक वृद्धि वक्रों का आसंजन और आरेखन
(द) अनेक विधियों द्वारा रुझान और मौसमी अवयवों का असंजन।
(घ) घटों के अवयव विधि द्वारा यादृच्छिक अवयवों के प्रसरण की गणना।
(र) वास्तविक जीवन अवस्था का आव बंटन और इनके आसंजन।

Outcome: the students will know about

- (a) Computation of Index Numbers by various methods.
(b) time series data, its applications to various fields and components of time series,
(c) fitting and plotting of various growth curves.
(d) fitting of trend and seasonal component by various methods.
(e) calculation of variance of random component by variate component method
(f) income distributions and their fitting in real life situations,

Unit I

भारतीय अनुप्रयुक्त सांख्यिकी प्रणाली : भारत में वर्तमान अधिकारिक सांख्यिकीय प्रणाली, अधिकारीक सांख्यिकी के आंकड़ों के संग्रहण की विधियाँ, उनके विश्वासनीयता और सीमाएँ और प्रमुख प्रकाशनों और संचार, बैंकिंग और वित्त जैसे विषयों पर ऐसे आंकड़े हैं।



Indian Applied Statistics System: Present official statistical System in India, Methods of collection of Official Statistics, their reliability and limitations, and the principal publications containing such statistics on the topics-population agriculture, industry, trade, price, labour and employment, transport and communications, Banking and Finance.

Unit II

जनकिकी आँकड़ों का स्रोत : जनगणना , रजिस्टर और तंदर्र्य सर्वेक्षण अस्पताल का अभिलेख, भारतीय जनगणना का जनकिकी रूपरेखा, मृत्यु दर का मापन, और जीवन तालिका: संशोधित मृत्यु दर, सामान्यीकृत मृत्यु दर, सामान्यीकृत मृत्यु दर का प्रत्यक्ष और अप्रत्यक्ष विधि , पूर्ण जीवन तालिका -उनके मुख्य गुणधर्म , मृत्यु की प्रायिकता, उत्तरजीविता तालिका का उपयोग । प्रजनन क्षमता का मापन: असंशोधित जन्मदर, सामान्य जन्म दर आयु विशिष्ट जन्म दर, सम्पूर्ण जन्म दर, सकल प्रजनन दर निवल प्रजनन दर ।

Demographic Methods: Sources of demographic data: Census, register and-hoc surveys, hospital records, demographic profiles of the Indian Census, Measurement of mortality, and life table,; crude death rate, age specific death rates, infant mortality rates, infant death rate, death rate by cause, standardized death rate, direct & indirect method of standardized death rate, Complete life tables- its main features, mortality rate and probability of dying , uses of survival tables. Measurement of fertility,; crude birth rate,, general fertility rate, age specific birth rate, total fertility rate, gross reproduction rate, net reproduction rate.

Unit III

वित्तीय सांख्यिकी : सूचकांक संख्या - परिभाषा और अनुप्रयोग मूल्य सापेक्ष और परिमाण या आयतन सापेक्ष, लिंक सापेक्ष और श्रृंखला सापेक्ष , सूचकांक संख्याओं के गणना में सामाहित समस्याएँ। औसत, सामान्य योगात्मक और भति औसत विधिया। लेस्पीयर, पासी, मीरॉल - एडगेवर्थ और फिशर का सूचकांक संख्या। समय और कारक व्युत्क्रम परीक्षण। श्रृंखला आधारित सूचकांक संख्या उपभोक्ता मूल्य सूचकांक संख्या ।

Economic Statistics: Index number- definition, application of index numbers. Price relatives and quantity or volume relatives. Link and chain relatives, problems involved in computation of index numbers, uses of averages, simple aggregative and weighted average methods, Laspeyre's, Paasche's, Marchal- Edgeworth's and Fisher's index numbers, Time and Factor reversal tests. Chain base index number, Consumer price -index numbers.

Unit IV

समय श्रृंखला विश्लेषण - वित्तीय समय श्रृंखला विभिन्न अव्यय चित्रण ,योगात्मक और गुणात्मक, प्रतिमाने, रज्जान को निर्धारण वृद्धिक, मौसमी चंचलता का विश्लेषण, मौसमी सूचकांको का निर्माण ।

Time series analysis- economic time series, different components, illustrations, additive and multiplicative models, determination of trend, growth curves, analysis of seasonal fluctuations, construction of seasonal indices.

UNIT V

चार संक्षिप्त टिप्पणी, प्रत्येक इकाई से एक पूछा जाएगा। छात्रों को किन्ही दो का उत्तर देना है।

Four short notes one from each Unit will be asked. Students have to answer any two.

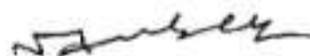
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2. Chatfield, C. (1980): The Analysis of Time Series - An Introduction, Second Edition, Chapman and Hall.
3. Goon A.M.; Gupta, M.K. and Dasgupta, B. (1986): Fundamentals of Statistics, Volume - Two, World Press, Calcutta
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5. Mukhopadhyay, P. (1999) : Applied Statistics, New Central Book agency Pvt. Ltd., Calcutta.
6. Srivastava O.S. (1983): A Text Book of Demography, Vikas Publishing.

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1. Cox, P.R. (1970): Demography, Cambridge University Press.
2. Pressat R. (1978): Statistical Demography, Methuen and Co. Ltd.



Paper II
सांख्यिकीय गुणवत्ता नियंत्रण और अभिकलनी तकनीक
Statistical Quality Control and Computational Techniques

उद्देश्य : छात्र प्राप्ता करेंगे :

- (अ) विभिन्न नियंत्रण चार्ट, औसी और ए आर एल वक्रों का निर्माण।
- (ब) गतिशील माध्य और घातीय चारित गतिशील माध्य चार्ट्स का निर्माण : कुसुम चार्ट।
- (स) विभिन्न क्षमता सूचकांकों की गणना।
- (द) स्वीकृति प्रतिचयन विधि द्वारा गुणों का निष्कर्ष निकालना।
- (ध) स्वीकृति प्रतिचयन विधि द्वारा चरों का निष्कर्ष निकालना।

Outcome: Students will aquired with

- (a) construction of various control charts, OC and ARL curves.
- (b) Construction of moving average and exponentially weighted moving average charts; Cu-sum charts.
- (c) Computation of various capability indices.
- (d) Drawing conclusion through acceptance sampling plan by attributes.
- (e) Drawing conclusion through acceptance sampling plan by variables.

Unit I

औद्योगिक अनुसंधान में सांख्यिकीय विधियों का महत्व, दृश्य गजिंग के अनुरूप वस्तुओं और लॉट गुणों का विनिर्देश, गिनती और मापन, निरीक्षण के प्रकार, सह्य सिमा का निर्धारण। नियंत्रण आरेख का समान्य प्रमेय, गुणवत्ता में स्विकारन का कारण, नियंत्रण सीमा उप समष्टिकरण, नियंत्रण से बाहर मानदंड का सारांश। गुणों का आरेखण, np चार्ट, p- चार्ट, c- चार्ट, u- चार्ट, चरों का आरेख \bar{X} और R चार्ट का अभिकल्पना के साथ p चार्ट, अध्ययन की प्रक्रिया क्षमता।

Importance of statistical methods in industrial research and practice, specification of items and lot qualities corresponding to visual gauging, count and measurements, types of inspection, determination of tolerance limits. General theory of control charts, causes of variation in quality, control limits, sub-grouping, summary of out of control criteria. Charts for attributes, np chart, p-chart, c-chart, u- chart. Charts for variables, \bar{X} and R charts, design of \bar{X} and R charts, verses p chrts, process capability of studies.

Unit II

समष्टि स्विकार्यता का स्विकार्य प्रतिचयन समस्या की अवधारणा, अच्छे और बुरे समुह का निर्धारण, उत्पादक और उपभोक्ता का जोखिम, सभी गुणों के लिए एकल और द्वि प्रतिचयन की योजनाएँ, उनके OCफलन, AQL, LTPD, AOQL की अवधारणा, निरीक्षण की औसत मात्रा और ASN फलन, निरीक्षण योजनाओं में सुधार, चरों के लिए प्रतिदर्श निरीक्षण योजना, भारतीय प्रसमान्य तालिका भाग - 1 (अनुप्रयोगों के साथ) IS2500 भाग 1।

Principle of acceptance sampling-problem of lot acceptance, stipulation of good and bad lots, Producer's and consumers risks, single and double sampling plans for all attributes, their OC functions, concepts of AQL, LTPD, AOQL, Average amount of inspection and ASN function, rectifying inspection plans, sampling inspection plans for variables, Indian Standard Tables Part-I(including applications), IS 2500 Part 1.

Unit III

गणनात्मक तकनीक : अंतर स्तरणी और अंतरगणन की विधियाँ : न्युटन की अग्र एवं परव अंतरगणन सूत्र, लैग्रान्ज का अंतरगण सूत्र विभाजित अंतर अंतरगणन सूत्र, संख्यात्मक अवकलन और समाकलन दृ ट्रेपेजॉइडल, सिम्पसन का एक तीन सूत्र, गैर रेखीय समीकरणों के पुररावृत्त समाधान।



Computational Techniques: Difference tables and methods of interpolation: Newton's forward and backward interpolation formula, Lagrange's method of interpolation, divided difference interpolation formula. Numerical differentiation and integration. Trapezoidal, Simpson's one – third formulae, iterative solutions of non-linear equations.

Unit IV

रेखिय प्रोग्रामिंग: उल्लतल सङ्गुच्य का प्रारंभिक सिद्धांत . सामान्य रेखिय प्रोग्रामिंग का परिभाषा . एल पी पी का समीकरण ल पी पी के उदाहरण, विभिन्न क्षेत्रों में आने वाली समस्याएँ, ग्राफिकल और सिम्प्लेक्स विधि द्वारा एल पी पी का हल । कृत्रिम चर । एल पी पी में दृढ़ समस्या , परिवहन समस्या (गैर अपघट और संतुलित मामलों के लिए) , असाइनमेंट समस्या ।

Linear Programming: Elementary theory of convex sets, definition of general linear programming problems (LPP), formulation problems of LPP, examples of LPP. Problems occurring in various fields, Graphical and Simplex methods of solving an LPP, artificial variables, duality of LPP, Transportation Problem (non-degenerate and balanced cases only), Assignment Problems.

Unit V

चार संक्षिप्त टिप्पणी, प्रत्येक इकाई से एक पूछा जाएगा। छात्रों को किन्हीं दो का उत्तर देना है।

Four short notes, one from each unit will be asked. Students have to answer any two.

REFERENCES

1. Brownless K.A. (1960): Statistical Theory and Methodology in Science and Engineering, John Wiley and Sons.
2. Grant E.L. (1964): Statistical Quality Control, McGraw Hill.
3. Duncan A.J. (1974): Quality Control and Industrial Statistics, Traporewala and Sons.
4. Gauss S.I. (1975) : Linear Programming Methods and Applications, McGraw Hill.
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Paper III

प्रयोगात्मक (प्रश्नपत्र I तथा II पर आधारित)

Practical (Based on papers I and II)

1. मृत्यु एवं जन्म के मापों की गणना की गणना, जीवन तालिकाओं का निर्माण, गोमर्ट्स वक्र द्वारा मृत्यु दर का प्रेजुएशन
Computing measures of mortality and fertility, construction of life tables, graduation of mortality rates by Gompertz curve, fitting of Logistic curve.
2. लास्पेयर्स, पाशी, मार्शल -एडवर्थ और फिशर विधि द्वारा सूचकांक संख्या का निर्माण।
Construction of index numbers by Laspeyre's, Paasche's, Marshall-Edgeworth and Fisher method.
3. समय श्रृंखला में रुझान का निर्धारण, मौसमी सूचकांकों का निर्माण।
Determination of trend in a time series, construction of seasonal indices.
4. \bar{X} , R, np, p और c -चार्ट का आरेखण, एकल एवं द्वि प्रतिचयन विधि द्वारा OC वक्र का निर्माण।
Drawing of \bar{X} -R, np, p and c -charts. Drawing of OC curve for single and double sampling plans.
5. अंतर तालिकाओं का निर्माण, न्यूटन के अग्र एवं पश्च अंतरगणन, विभाजित अंतर अंतरगणन एवं त्रैजोण का अंतरगणन विधि द्वारा मानों की गणना करना, ट्रैपेजोइडल और सिम्पसन एक-तीहाई सूत्र द्वारा समाकलन का संख्यात्मक गणना करना।
Construction of difference tables. Use of Newton's, Lagrange's methods of interpolation and divided difference formulae, numerical evaluation of integrals using Trapezoidal and Simpson's one-third formulae, solution to non-linear equation by Newton-Raphson iterative method.
6. LPP एवं इसके द्वयुक्त का निर्माण, LPP का अरेखन एवं सिम्पलेक्स विधि द्वारा गणना, परिवहन एवं कार्यभार की समस्या।
Formulation of LPPs and their duals. Solving LPPs by graphical and simplex methods, transportation and assignment problems.


PROFESSOR & HEAD
School of Studies in Statistics
H. Ravindran: Shri Sri University
RAIPUR (C. G.)

Part A : Introduction

Programme Degree Course	Class B.A./B.Sc. 3rd Year	Year 2023	Session
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1. Course Code : ANTH-05T
2. Course Title : APPLIED BIOLOGICAL ANTHROPOLOGY
3. Course Type : THEORY
4. Course Objective : Applied Biological Anthropology is a branch of Anthropology which deals with application of principles of Biological Anthropology. This help in to understand the basic principles of human genetics, to learn the methods/techniques used in genetic research. It is helpful to understand the pattern of inheritance of genetic disorders and the mechanism of genetic abnormalities, to realize the importance of genetic testing and counseling for people suffering from genetic disorders. This course helps in acquaint the students with the importance of demography in Anthropology & explore various dimensions of health and issues related to illness and disease.
5. Course Learning Outcome :
 - Student will acquire basic understanding of genetics, inheritance pattern of human traits, diseases and types of chromosomal abnormalities.
 - Helpful for understanding the importance of genetic counseling, prenatal diagnosis and newborn screening.
 - Students will learn the basic Anthropological approaches of studying demography and the biosocial determinants of demographic processes in human populations.
 - Student should be able to understand, analyze and interpret health, illness, disease related issues and develop critical understanding.
 - The student will learn about identification of human and non human skeletal remains

1. Credit Value : Theory-04
2. Total Marks : Maximum Marks 50 Minimum Marks 17

Part B : Content of the Course

1. Total Units : 05
2. Total Lectures : 60

Unit	Topics	No. of Lectures
Units I, II, III, IV & V	Syllabus	12 Lectures Each Unit

UNIT - I

- Meaning and scope of Applied Biological Anthropology
- Forensic Anthropology
- Ageing
- Public health

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- Sports Anthropology
- Epidemiology

Unit – II

- Dermatoglyphics : History and its scope.
- Ridge characteristics.
- Classification of finger pattern.
- Basic of finger print comparison.
- Conventional and modern methods for development of latent finger prints.
- Dermatoglyphics and abnormal chromosome.
- Application of dermatoglyphics.

Unit – III

- Human Chromosome : Morphology and types, Classification of normal chromosomes
- Chromosomal aberration
- Genetics of colour blindness and PTC
- Eugenics, Genetic Counseling and Genetic Screening
- Genetic Engineering and Population Genetics

Unit – IV

- Nutrition : Function, Types of nutrients, Nutritional Disorders
- Nutritional Status : Under nutrition, Over nutrition
- Assessment of Nutritional Status :
 - Clinical Method
 - Anthropometric approaches to nutritional assessment
 - BMI
 - Waist/Hip Ratio
 - Biochemical Methods

Unit – V

- Human Blood Groups : Inheritance of ABO, MN and Rhesus blood group
- Human Skeletal biology
 - Identification of human and non human skeletal remains
 - Age, sex and stature estimation from human bones
- Identification through somatometric measurements and somatoscopic observation
- Estimates of different demographic rates and ratios

Part C : Learning Resources

13. Bass, W.M.1991. Human Osteology : A Laboratory and field manual as the Human Skeleton;

340
 N. A. J. Sani

Columbia : Special Publication Missoun Archacological Society

14. Brooker.R.J.2012. Genetics; analysis & Principles. He McGraw-Hill Companies, in 4th ed.
15. Byers, S.N. 2008. Forensic Anthropology. Boston : Pearson Education Ltd.
16. Cavalli-Sforza, L.L. and Bodmer, W.f. 1971. The Genetics of Human Population . San Francisco Freeman.
17. Christensen, A.M.etal2014. Forensic Anthropology : Current methods and practices. Elsevier, New work.
18. Cumming.S.M.R. 2011. Humun Heredity : Principles and Issues. Borks/cole, Cengage Learnily.
19. Cummins, H & Midlo,c.1961. Finger Prints, Palms and Soles: An introduction to dermatophyphics Vol. 319. Neww York Dover Publication.
20. Daniel.EBrain 2009. Human Biological Diverty Routlege; I Editon, Cameron Noel and Barry Bogin 2012. – Human Growth and development 2nd Editon. Academic Prees Elsevier.
21. Gordis. C 2004. Epidemiology. Third Edition.Philadelphics: Elsevier Saunders.
22. Hahn, Robert. A 1999. Anthropology in Public Health Bridging Differences in culture and society. Newyork : Oxford University Press.
23. Harrison, G.A. and Weiner, Hm: Tanner.JM, Barnikott, NA. An Introduction to Human Evolution, Variation, Growth and Ecology : Human Biology. 320-328.
24. Henny.C Lee and REGaensslen (Ed) 2001. Advances in Finter Print Technology. CRC Press London.
25. Khanna, K.Gupta.S.Passi, SJ .Seth.R and Puri, RM 2016. Text book of Nutrition and Dietetics. 2nd Ed. Elite Publishing hours. New Delhi.
26. Klug,W.S.2012. Concept of Genetics, Pearson.
27. Lewis, R.2009. Human Genetics and concept of Application, The Mc.Grow-Hill Campanies Inc.
28. Malhotra, K.C. And B. Balakrishnan1996 . Human Population Genetics in India
29. Malina, R.M. Bouchard, C. Oded, B.2004. Growth, Maturation and physical activity, Human Kinetics
30. Montagu; M.F.A.1964. An introduction to Physical Anthrology
31. Patch, C.2005.Applied Genetics in Health care. Taylor & Francis Group.
32. Relenth Ford, J.H. 2012. Human Population Genetics. Wiley Black well, USA.
33. Stern, C.Principles of Human Genetics.
34. Ulijasek, S.J. and Strickland.S.S. 1993. Introctiuon. In Nutritional Anthropology : Prospects and Perspectives. 1-5. Smith Gardon London.
35. Vogel.F and Motu sky, AG.1996. Human Genetics, Sprinegs, 3rd revised edition.
36. Zubrow, E.B.W. 1976. Demographi anthropology, Quantitative approaches. University of New Mexico Albuquerque.

Part D : Assessment and Evaluation

University Exam. (UE) : Max. Marks : 50 Marks

34

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Part A : Introduction

Programme Degree Course	Class B.A./B.Sc. 3 rd Year	Year 2023	Session
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1. Course Code : ANTH-06T
 2. Course Title : THEORIES AND METHODS IN SOCIAL-CULTURAL ANTHROPOLOGY
 3. Course Type : THEORY
 4. Course Objective : This is an introductory foundation course on the main theoretical approaches which historically and traditionally guided anthropological research and understanding of society and culture. The course would involve theory as well as practical. The practical will skill the students to apply the approaches critically to study of actual social issues and problems.
 5. Course Learning Outcome :
 - The students will be able to explain the major theoretical paradigms in anthropology and link.
 - It with the social, political and economic contexts in which they have emerged.
 - They should also be able to explain clearly how these ideas have contributed to the process, structure, pattern and search for meanings by human beings.
1. Credit Value : Theory-04
 2. Total Marks : Maximum Marks 50 Minimum Marks 17

Part B : Content of the Course

1. Total Units : 05
2. Total Lectures : 60

Unit	Topics	No. of Lectures
Units I, II, III, IV & V	Syllabus	12 Lectures Each Unit

UNIT - I

- The contributions made by the following Anthropologists to Social-Cultural Anthropology : E. Durkheim, F. Boas., R. Redfield, A. L. Kroeber., S.C. Dube, M.N. Shrinivas, L.P. Vidyarthi.

UNIT - II

- Evolution: Biological and cultural evolution
- Evolutionism : Classical Evolutionists - E.B. Tylor & L.H. Morgan
- Neo-Evolutionists - Leslie White & Gordon Childe.
- Diffusionism : British Diffusionists , German-Austrian Diffusionists and American Diffusionists (Cultural traits, Culture Complex, Culture Area, Culture focus)

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M. J. S. S.

UNIT – III

- Functionalism : Malinowski & Merton
- Structure Functionalism : Radcliff Brown & Raymond firth.
- Structuralism : Levi – Strauss & Leach.

UNIT – IV

- Basic personality and Model Personality : Cora-du-bois, Abraham Kardinar
- Culture pattern & Configurationalism : Ruth Benedict.
- Anthropological study of National character
- Contributions of Margret Mead in Anthropological study.

UNIT – V

- Field work tradition in Anthropology.
- Tools and techniques of Research: Schedule, Questionnaire, observation, interview, case study & Genealogical Study.
- Types of Anthropological Methods: Historical Method, Comparative Method and Functional Method.

Part C : Learning Resources

1. Bidney, David, Theoretical Anthropology, New York, Colombia University press.
2. Erickson, Paul, Anthropological Lives: Biographies of Eminent Anthropologists, New Delhi, Reliance.
3. Evans-Pritchard. A History of Anthropological Thought.
4. Harris, M. Rise of Anthropological Theory. Routledge and Kegan Paul, London.
5. Harskovitz, M.J. Sanskriti ki pristhabhumi (in Hindi).
6. Jha, M. Manavshastriya vichardhara- Ek Parichaya. (in Hindi).
7. Malinowski, B. Scientific theory of culture and other essays.
8. Muthal, S. Samajik Manav Vigyan- Saidthantik Vyavahar (in Hindi).
9. Redfield, R., Human Nature and the Study of Society.
10. Shrivastava, A.R.N. Sanskritik Manav vigyan – Siddhanta aur Uplabdhiyan ((in Hindi).
11. Upadhyay and Pandey. History of Anthropological thought
12. Upadhyay and Pandey. Tribal Development in India.

Part D : Assessment and Evaluation

University Exam. (UE) : Max. Marks : 50 Marks

240
Muthal S.
G. S.

Part A : Introduction

Programme Degree Course	Class B.A./B.Sc. 3 rd Year	Year 2023	Session
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1. Course Code : ANTH-03P
2. Course Title : PRACTICAL IN APPLIED BIOLOGICAL ANTHROPOLOGY
3. Course Type : PRACTICAL
4. Course Objective : The objective of this practical course is to introduce the student about the tools and Method, analysis & statistical methods used in Human Biology. Laboratory procedures in Anthropometry dermatoglyphics would give confidence in dealing with all the applied dimensions.
5. Course Learning Outcome :
 1. Credit Value : Practical-02
 2. Total Marks : Maximum Marks 50 Minimum Marks 17

Part B : Content of the Course

1. Total Units :
2. Total Lectures : 30

Unit	Topics	No. of Lectures
-	Syllabus	30 Lectures

Part – I : Estimation of Nutritional status :

- BMI.
- Waist/ Hip Ratio.
- Weight for Age.
- Height for Age.

Part – II : Somatometry:

- Measurements on body : Height vertex, Height tragus, Suprasternale height, Biacromial Breadth, Height dactylion, Bi-illiocristal breadth, Tibiale height, Upper extremity length, Sitting height, Body weight.
- Head and Face Measurement : Morphological upper facial length, Physiognomic upper facial length, Morphological, facial length, Bizygomatic breadth, Maximum head length, Maximum head breadth, Nasal length, Nasal breadth.
- Somatometric indices : Cephalic index, Nasal index, Facial index.

Part – III : Genetics Traits

- Dermatoglyphics : finger pattern type.
- Finger ridge counts. Indices: Furuhata's index, poll's index, Dankmeijer's index, pattern intensity index.

- Palmar dermatoglyphics : Palmar formula, atd angle and ridge counts.
- Colour blindness, PTC taste sensitivity.

Part – IV : Statistics: Mean, mode, Median, Standard deviation, X² test.

Part C : Learning Resources

1. Basin M.K. and I.P. Singh : Anthropometry
2. Cummins H. and Midlo C. : An Introduction of Dermatoglyphics
3. Fisher R.S. : Statistical method's of Research Worker's
4. Mitashree mitra : Prayogik manovigyan bhag -02
5. Olivi : Practical Anthropolog

Part D : Assessment and Evaluation

University Exam. (UE) : Max. Marks : 50 Marks

24





बी.ए. तृतीय वर्ष
प्रश्न पत्र - प्रथम-सैद्धांतिक

भाग-अ परिचय

पाठ्यक्रम : उपाधि		कक्षा : बी.ए. तृतीय वर्ष	वर्ष : 2023	सत्र : 2023-24
विषय - संगीत (गायन/वादन -तारवाद्य)				
1	पाठ्यक्रम का कोड			
2	पाठ्यक्रम का शीर्षक		भारतीय संगीत का इतिहास	
3	पाठ्यक्रम का प्रकार : (कोर कोर्स/इलेक्टिव/जेनेरिक/वोकेशनल)		कोर कोर्स	
4	पाठ्यक्रम अध्ययन की परिलब्धियों (कोर्स लर्निंग आउटकम) (CLO)		<p>निम्न बिन्दुओं के माध्यम से पाठ्यक्रम का ज्ञान होगा एवं विद्यार्थियों में संगीत विषय की समझ एवं रुचि मजबूत होगी -</p> <ol style="list-style-type: none"> 1. प्राचीन भारतीय संगीत और संस्कृति का ज्ञान। 2. संगीत के तकनीकी शब्दों की जानकारी एवं व्याख्या से अवगत कराना। 3. स्वरों के स्थान ज्ञात करने की विधि एवं विभिन्न संगीतकारों के श्रुति स्वर संयोजन से परिचय। 4. विभिन्न संगीत-सप्तकों का ज्ञान। 5. संगीत के विभिन्न घरानों (गायकी) का ज्ञान। 	
5	क्रेडिट अंक		03	
6	कुल अंक		50 (न्यूनतम - 17)	
7	पाठ्यक्रम संख्या		45 व्याख्यान (15 कालखण्ड = 01 क्रेडिट अंक)	
8				
भाग - ब पाठ्यक्रम की सामग्री विषय				
अध्याय सं०	अध्याय का नाम	अध्याय की सामग्री		
1	पारिभाषिक शब्द एवं स्पष्टीकरण	1) श्रुति 2) ग्राम 3) मूर्च्छना 4) जाति 5) षड्ज-मध्यम भाव 6) षड्ज-पंचम भाव 7) षड्जांतर भाव 8) चतुःसारणा 9) प्रमाण श्रुति 10) काकू भेद 11) रजाखानी गत 12) मसीतखानी गत 13) तोड़ा 14) झाला।		
2	हार्मनी और मेलोडी का परिचय	1. हार्मनी और मेलोडी की परिभाषा, व्याख्या, विशेषताएँ। 2. हार्मनी और मेलोडी का तुलनात्मक अध्ययन।		
3	स्वर स्थान निर्देशन की विधियाँ	1. पं० अहोबल, पं० श्रीनियास एवं पं० विष्णु नारायण भातखण्डे द्वारा वीणा दण्ड पर शुद्ध एवं विकृत स्वर स्थान निर्देशन की विधियाँ। 2. प्राचीन, मध्यकालीन एवं आधुनिक काल के विभिन्न ग्रंथकारों की श्रुति-स्वर प्रणाली।		
4	भारतीय एवं पश्चात्य	1. आचार्य भरत की अवधारणा एवं विलावल थाट।		

	स्वर सप्तकों के विकास का परिचयात्मक अध्ययन	2. षड्ज-मध्यम भाव से सप्तक का निर्माण। 3. षड्ज-पंचम भाव से सप्तक का निर्माण। 4. पायथागोरियन स्केल। 5. डायटोनिक स्केल। 6. समानांतरालीय स्केल। 7. औसत स्वरांतरालीय स्केल। 8. टैम्पर्ड स्केल। 9. क्रोमैटिक स्केल।
5	भारतीय संगीत के घराने	संगीत घरानों का इतिहास, प्रधान तत्व 1) ग्वालियर घराना 2) आगरा घराना 3) किराना घराना 4) पटियाला घराना 5) जयपुर घराना 6) सेनिया घराना।
6	भारतीय संगीत का इतिहास	मध्यकालीन एवं आधुनिक काल के संगीत की परिस्थितियाँ एवं प्रभाव।
7	छत्तीसगढ़ की लोकगाथा	लोरिक चन्दा।

भाग -स

अनुशंसित अध्ययन सामग्री/संसाधन

पाठ्य पुस्तकें/संदर्भ पुस्तकें/ग्रंथ/अन्य पाठ्य संसाधन/अनुशंसित सहायक पुस्तकें/पाठ्य सामग्री

1. हिन्दुस्तानी संगीत क्रमिक पुस्तक मालिका (भाग 1, 2, 3, 4, 5, 6) ले० -पं० वि० ना० भातखण्डे, (हाथरस)
2. संगीत विशारद - वसंत, (हाथरस)
3. संगीत शास्त्र दर्पण (भाग 1, 2 एवं 3) ले० - शांति गोवर्धन
4. राग परिचय (भाग 1, 2 एवं 3) ले० - हरिशचन्द्र श्रीवास्तव
5. अभिनवगीतांजली (भाग 1, 2 एवं 3) ले० - पं० रामाश्रय झा
6. राग विज्ञान (भाग 1, 2, 3, 4, 5 एवं 6) ले० - वि० ना० पटवर्धन
7. संगीतमणी (भाग 1, 2 एवं 3) ले० - महारानी शर्मा
8. रागबोध (भाग 1, 2, 3 एवं 4) ले० - बी० आर० देवघर
9. भारतीय संगीत का इतिहास ले० - उमेश जोशी - डॉ० एस० एस० परांजपे
10. संगीत शास्त्र (भाग 1, 2, 3 एवं 4) ले० - महेश नारायण शर्मा
11. सितार मालिका ले० - भगवतशरण शर्मा
12. ताल प्रकाश ले० - भगवतशरण शर्मा
13. हमारे संगीत रत्न - संपादक लक्ष्मीनारायण गर्ग
14. संगीत बोध, ले० -एस० सी० परांजपे
15. संगीत दर्शिका, ले०- नवीगोपाल बेनर्जी
16. ध्वनि और संगीत, ले०- ललित किशोर सिंह
17. श्रीमल्लख्य संगीतम्, ले०- चतुर पण्डित
18. सितार वादन - ले०- एस० जी० व्यास

Suggested Links :-

1. Arambhika on Facebook live
2. Swaranjali Kala Sadhak, Gwalior
3. Swar Sanskar live on Facebook

भाग - द
अनुशासित मूल्यांकन विधियाँ

अनुशासित सतत मूल्यांकन विधियाँ		
अधिकतम अंक : 50		
सतत व्यापक मूल्यांकन (CCE) अंक : 05 विश्वविद्यालय परीक्षा (UE) अंक : 45		
आंतरिक मूल्यांकन	क्लास टेस्ट	5
सतत व्यापक मूल्यांकन (CCE)		45
कुल अंक		50
समय - 3:00 घण्टे		

बी.ए. तृतीय वर्ष
प्रश्न पत्र : द्वितीय-सैद्धांतिक

भाग- अ परिचय

पाठ्यक्रम - उपाधि		कक्षा : बी.ए. तृतीय वर्ष	वर्ष : 2023	सत्र: 2023-24
विषय : संगीत (गायन/वादन-तारवाद्य)				
1	पाठ्यक्रम का कोड			
2	पाठ्यक्रम का शीर्षक	भारतीय संगीत के सिद्धान्त		
3	पाठ्यक्रम का प्रकार : (कोर कोर्स / इलेक्टिव / जेनेरिक / वोकेशनल)	कोर कोर्स		
4	पाठ्यक्रम अध्ययन की परिलक्षितियाँ (कोर्स लर्निंग आउटकम) (CLO)	<p>निम्न बिन्दुओं के माध्यम से पाठ्यक्रम का ज्ञान होगा एवं विद्यार्थियों में संगीत विषय की समझ गहरी होगी तथा संगीत के सिद्धांतों का परिचय प्राप्त होगा -</p> <ol style="list-style-type: none"> 1. रागों के विश्लेषणात्मक अध्ययन से विद्यार्थियों को रागों की सूक्ष्म जानकारी का ज्ञान। 2. पाठ्यक्रम की बंदिशों के लेखन एवं गायन से स्वरलिपि का ज्ञान एवं बंदिशों व स्वरलिपि का सूक्ष्म ज्ञान। 3. शास्त्रीय एवं लोक संगीत के संबंध का परिचय। 4. कण्ठ संस्कार व उसकी आवश्यकता एवं महत्व, बनावट का ज्ञान। 5. तालों की दुगुन एवं चौगुन लयकारियों का ज्ञान। 		
5	क्रेडिट अंक	03		
6	कुल अंक	50 (न्यूनतम-17)		
7	पाठ्यक्रम संख्या	45 व्याख्यान (15 कालखण्ड = 01 क्रेडिट अंक)		

भाग - ब
पाठ्यक्रम की सामग्री
विषय

अध्याय संख्या	अध्याय का नाम	अध्याय की सामग्री
1	शास्त्रीय एवं लोक संगीत	परिभाषा, व्याख्या, तुलनात्मक अध्ययन।
2	हिन्दुस्तानी एवं कर्नाटक संगीत पद्धतियाँ	इतिहास, समानताएँ एवं भिन्नताएँ।
3	संगीतकारों का संक्षिप्त जीवन परिचय एवं सांगीतिक योगदान	1) उस्ताद हददु खॉ-हस्सु खॉ 2) उस्ताद अब्दुलकरीम खॉ 3) पं० भीमसेन जोशी 4) उस्ताद

		इमदाद खाँ 5) आचार्य मतंग 6) पं० ओंकारनाथ ठाकुर 7) पं० श्रीनिवास 8) भावमट्ट।
4	कण्ठ स्वर संस्कार	परिभाषा, आवश्यकता, महत्व, स्वरोत्पत्ति, कण्ठ संस्कार की सामान्य वैज्ञानिक पद्धति।
5	पाठ्यक्रम के रागों का शास्त्रीय परिचय (कोई 10)	1) राग - कामोद 2) राग - भीमपलासी 3) राग - अड़ाणा 4) राग - गौड़मल्हार 5) राग - जयजयवंती 6) राग - बहार 7) राग - दरबारी कानड़ा 8) राग - मियांमल्हार 9) राग - तोड़ी 10) राग - हंसध्वनि 11) राग - कलावती 12) राग - पूरियाधनाश्री
6	अ) पाठ्यक्रम के रागों की बंदिशों/गत का स्वरलिपि सहित लेखन	छोटाख्याल, बड़ाख्याल (विलंबित ख्याल), तराना, ध्रुपद/धमार, रजाखानी गत, मसीतखानी गत।
	ब) पाठ्यक्रम के तालों का दुगुन-चौगुन लयकारी सहित ताललिपि में लेखन	1) ताल - त्रिताल 2) ताल - रूपक 3) ताल - तीव्रा 4) ताल - झपताल 5) ताल - एकताल 6) ताल - चौताल 7) ताल - आड़ा चौताल 8) ताल - धमार 9) ताल - दीपचंदी 10) ताल - झूमरा 11) ताल - तिलवाड़ा 12) ताल - पंजाबी त्रिताल।
7	छत्तीसगढ़ की लोकगाथा	भरथरी।

भाग - स

अनुशंसित अध्ययन संसाधन

पाठ्य पुस्तकें/संदर्भ पुस्तकें/ग्रंथ/अन्य पाठ्य संसाधन/अनुशंसित सहायक पुस्तकें/पाठ्य सामग्री

1. हिन्दुस्तानी संगीत क्रमिक पुस्तक मालिका (भाग 1, 2, 3, 4, 5, 6) ले० -पं० वि० ना० भातखण्डे, (हाथरस)
2. संगीत विशारद - वसंत, (हाथरस)
3. संगीत शास्त्र दर्पण (भाग 1, 2 एवं 3) ले० - शांति गोवर्धन
4. राग परिचय (भाग 1, 2 एवं 3) ले० - हरिशचन्द्र श्रीवास्तव
5. अभिनवगीतांजली (भाग 1, 2 एवं 3) ले० - पं० रामाश्रय झा
6. राग विज्ञान (भाग 1, 2, 3, 4, 5 एवं 6) ले० - वि० ना० पटवर्धन
7. संगीतमणी (भाग 1, 2 एवं 3) ले० - महारानी शर्मा
8. रागबोध (भाग 1, 2, 3 एवं 4) ले० - बी० आर० देवधर
9. भारतीय संगीत का इतिहास ले० - उमेश जोशी - डॉ० एस० एस० परांजपे
10. संगीत शास्त्र (भाग 1, 2, 3 एवं 4) ले० - महेश नारायण शर्मा
11. सितार मालिका ले० - भगवतशरण शर्मा
12. ताल प्रकाश ले० - भगवतशरण शर्मा
13. हमारे संगीत रत्न - संपादक - लक्ष्मीनारायण गर्ग
14. संगीत बोध, ले० -एस० सी० परांजपे
15. संगीत दर्शिका, ले०- नवीगोपाल बेनर्जी
16. ध्वनि और संगीत, ले०- ललित किशोर सिंह
17. श्रीमल्लह्वय संगीतम्, ले०- चतुर पण्डित
18. सितार वादन - ले०- एस० जी० व्यास

भाग - द
अनुशासित मूल्यांकन विधियाँ

अनुशासित सतत् मूल्यांकन विधियाँ		
अधिकतम अंक : 50		
सतत् व्यापक मूल्यांकन (CCE) अंक : 05 विश्वविद्यालय परीक्षा (UE) अंक : 45		
आंतरिक मूल्यांकन	क्लास टेस्ट	5
सतत् व्यापक मूल्यांकन (CCE)		45
कुल अंक		50
समय - 3:00 घण्टे		

बी.ए. तृतीय वर्ष
प्रश्न पत्र : प्रायोगिक

भाग- अ परिचय

पाठ्यक्रम : उपाधि	कक्षा : बी.ए. तृतीय वर्ष	वर्ष : 2023	सत्र: 2023-24
विषय - संगीत (गायन/वादन-तारवाद्य)			
1	पाठ्यक्रम का कोड		
2	पाठ्यक्रम का शीर्षक	क्रियात्मक संगीत	
3	पाठ्यक्रम का प्रकार : (कोर कोर्स / इलेक्टिव / जेनेरिक / इलेक्टिव / वोकेशनल)	कोर कोर्स	
4	पाठ्यक्रम अध्ययन की परिलब्धियाँ (कोर्स लर्निंग आउटकम) (CLO)	निम्न बिन्दुओं के माध्यम से पाठ्यक्रम का ज्ञान होगा - 1. पाठ्यक्रम के निर्धारित रागों एवं तालों का ज्ञान। 2. स्वरलिपि के तननीकी पक्ष की गहरी जानकारी। 3. कण्ठ को विभिन्न गायन शैलियों के अनुकूल बनाने हेतु सामान्य ज्ञान। 4. अपने वाद्ययंत्र की सम्पूर्ण जानकारी एवं वादन तकनीक का सूक्ष्म ज्ञान।	
5	क्रेडिट अंक	04 (60 कालखण्ड)	15 कालखंड 1 क्रेडिट अंक
6	कुल अंक	50	न्यूनतम अंक : 17

भाग - ब - पाठ्यक्रम की सामग्री

क्रम संख्या	विषय
1	पाठ्यक्रम के निर्धारित रागों में से किन्हीं 10 रागों का अध्ययन - 1) राग - कामोद 2) राग- अड़ाना 3) राग - गौड़मल्हार 4) राग - भीमपलासी 5) राग - जयजयवंती 6) राग - बहार 7) राग - दरबारी कानड़ा 8) राग - मियांमल्हार 9) राग - तोड़ी 10) राग - हंसध्वनि 11) राग - कलावती 12) राग - पूरियाधनाश्री
2	पाठ्यक्रम के निर्धारित रागों में सरगम एवं लक्षणगीतों का गायन/वादन।
3	पाठ्यक्रम के निर्धारित रागों में छोटाखयाल (दुतखयाल)/रजाखानी गत का गायन/वादन आलाप -तानों /तोड़ों सहित।
4	पाठ्यक्रम के निर्धारित रागों में से किन्हीं दो रागों में बड़ाखयाल (विलंबित खयाल)/मसीतखानी गत का गायन/वादन आलाप -तानों /तोड़ों सहित।
5	पाठ्यक्रम के निर्धारित रागों में से किन्हीं दो रागों में तराना गायन/वादन दुगुन एवं चौगुन लयकारी सहित।
6	पाठ्यक्रम के निर्धारित रागों में से कोई एक ध्रुपद अथवा एक धमार का लयकारी सहित गायन। पाठ्यक्रम के निर्धारित रागों में दो रजाखानी गत का वादन, जो त्रिताल के अतिरिक्त अन्य किन्हीं तालों में निबद्ध हो।

7	पाठ्यक्रम के निर्धारित तालों का दुगुन-चौगुन लयकारी सहित हाथ पर ताली-खाली द्वारा प्रदर्शन।
8	किसी एक मजन/धुन का गायन/वादन।
9	छत्तीसगढ़ के राज्यगीत "अरपा पैरी के धार"..... का गायन/वादन।

भाग - स

अनुसंसित अध्ययन संसाधन
पाठ्य पुस्तकें/संदर्भ पुस्तकें/अन्य संसाधन

1. भातखण्डे संगीत शास्त्र, ले० -वि० ना० भातखण्डे, संगीत कार्यालय, हाथरस (उ०प्र०)
2. तान- मालिका, ले० -राजामैय्या पूछवाले। (भाग -1, 2, 3, 4 एवं 5)
3. हिन्दुस्तानी संगीत क्रमिक पुस्तक मालिका (भाग 1, 2, 3, 4, 5, 6) ले० -पं० वि० ना० भातखण्डे, (हाथरस)
4. संगीत विशारद - वसंत, (हाथरस)
5. संगीत शास्त्र दर्पण (भाग 1, 2 एवं 3) ले० - शांति गोवर्धन
6. राग परिचय (भाग 1, 2 एवं 3) ले० - हरिशचन्द्र श्रीवास्तव
7. अभिनवगीतांजली (भाग 1, 2 एवं 3) ले० - पं० रामाश्रय झा
8. संगीतमणी (भाग 1, 2 एवं 3) ले० - महारानी शर्मा
9. रागबोध (भाग -1, 2, 3 एवं 4) ले० - बी० आर० देवधर
10. भारतीय संगीत का इतिहास ले० - उमेश जोशी - डॉ० एस० एस० परांजपे
11. संगीत शास्त्र (भाग -1, 2, 3 एवं 4) ले० - महेश नारायण शर्मा
12. सितार मालिका ले० - भगवतशरण शर्मा
13. ताल प्रकाश ले० - भगवतशरण शर्मा
14. हमारे संगीत रत्न- संपादक -लक्ष्मीनारायण गर्ग
15. राग विज्ञान (भाग 1, 2, 3, 4, 5 एवं 6) ले० - वि० ना० पटवर्धन
16. संगीत बोध, ले० -एस० सी० परांजपे
17. संगीत दर्शिका, ले०- नवीगोपाल बेनर्जी
18. ध्वनि और संगीत, ले०- ललित किशोर सिंह
19. श्रीमल्लक्ष्य संगीतम्, ले०- चतुर पण्डित
20. सितार वादन - ले०- एस० जी० व्यास

Suggested Links :-

1. Arambhika on Facebook live
2. Swaranjali Kala Sadhak, Gwalior
3. Swar Sanskar live on Facebook

भाग - द
अनुशासित मूल्यांकन विधियाँ

अनुशासित सतत् मूल्यांकन विधियाँ

अधिकतम अंक : 50 न्यूनतम : 17

सतत् व्यापक मूल्यांकन (CCE) अंक : 05 विश्वविद्यालय परीक्षा (UE) अंक : 45

आंतरिक मूल्यांकन	अंक	बाह्य मूल्यांकन	
क्लास टेस्ट एवं मौखिकी / प्रदर्शन	05	प्रायोगिक मौखिकी, प्रदर्शन (गायन / वादन)	40
उपस्थिति / प्रोजेक्ट वर्क / असाईनमेंट	05		
कुल अंक	10	कुल अंक (10 +40)	50

Part A: Introduction

Program: Degree Course		Class: B.A. III Year	Year: 2022	Session:2022-2023
1	Course Code	BAHSC-3P		
2	Course Title	Home Science- Practical 3		
3	Course Type	Practical		
4	Pre-requisite (if any)	Theoretical Knowledge of Nutrients, Meal Planning & Human Development.		
5	Course Learning Outcomes (CLO)	<p>At the end of this course, the students will be enable to:</p> <ol style="list-style-type: none"> 1. To understand Basic Knowledge of Development. 2. To understand Basic Knowledge of Development in various stages of age. 3. To understand Basic knowledge of factors affecting growth & Development, 4. To understand Basic knowledge Medical Nutrition Therapy. 5. To understand meal planning. 		
6	Credit Value	Practical: 2		
7	Total Marks	Max. Marks: 50	Min Passing Marks : 17	

Part B: Content of the Course

Total Periods: 30

Tentative Practical List	<p>Note: This is tentative list; the teachers concern can add more Experiments as per Requirement.</p> <ol style="list-style-type: none"> 1. अनाज- दालें, अण्डा, दूध, मेवे, सब्जियाँ, फलों के उपयोग तैयार करना, हर भोज्य पदार्थ की कोई भी तीन मात्र विधियों के प्रायोगिक रिकार्ड बुक में लिखना। कैलोरी एवं प्रोटीन की गणना। <ol style="list-style-type: none"> a. आहार आयोजन - b. (अ) गर्भवती महिला c. (ब) कब्ज की स्थिति d. (स) मधुमेह रोग e. (द) अधिक वजन की स्थिति f. विभिन्न आर्थिक स्थिति में आहार योजना। g. खाद्य संरक्षण कोई भी चार पाक विधि से बनायी जाये। h. सम्पूर्ण भोजन - आयोजन, गणना i. व्यक्तित्व मापन विधि j. बुद्धिमापन विधि k. Project- Identification of Over weightiness and Under weightiness in community
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Part C: Learning Resources

Text Books, Reference Books, Other Resources

Suggested Readings:

1. The Development of Children- Cynthia Lightfoot, 1st Edition, MACMILLAN.
2. Human Development- Srivatava Sushila, 1st Edition, S Chand & Company.
3. Human Resource Development- Siddhant Memon, 3rd Edition, INFINITY ENGINEERING ACADEMY.
4. Normal & Therapeutic Nutrition- C.H. Robinson, 1st Edition, Collier Macmillan Ltd.
5. Food Science- B Srilakshmi, 6th Edition, New Age International Publishers.
6. Nutrition Science- B Srilakshmi, 6th Edition, New Age International Publishers.

E-Learning Resource:

1. Meal Planning
<https://youtu.be/KLCohwtY7Cc>
2. supplementary food
<https://youtu.be/ufXYcad6wrg>

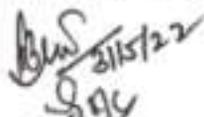
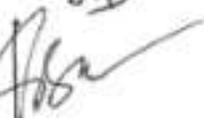
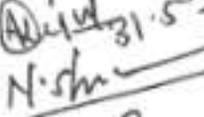
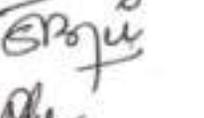
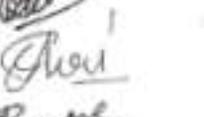
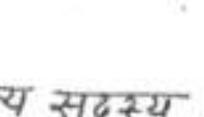
Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:-

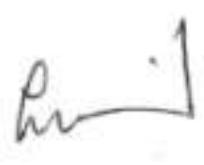
University Exam (UE): 50



आज दिनांक 31.05.2022 को केन्द्रीय अध्ययन समिति की वीडियो गृहविज्ञान विभाग में आयोजित की गई जिसमें निम्नलिखित सदस्य उपस्थित हुए तथा विभिन्न गृहविज्ञान से संबंधित विषयों के माध्यम से संशोधित एवं अनुसंधित विषय बने-

- | | | |
|--|--|---|
| डॉ. सीमा मिश्र, शासकीय कला महाविद्यालय, बिलासपुर | - अध्यक्ष |  |
| डॉ. मबीता दुबे | - प्रतिनिधि, राज्य शिक्षा विभाग, राय बरपुर | |
| डॉ. भारती शर्मा, डॉ. सुरेश चंद्र शर्मा शासकीय स्नातकोत्तर महाविद्यालय, गिलाई-3, दुर्ग | - सदस्य |  |
| डॉ. संजय वर्मा, शासकीय कला एवं वाणिज्य महावि. देवेन्द्र नगर, रायपुर | - सदस्य |  |
| डॉ. संजय प्रदुम बोहरा, प्राचार्य, गिलाई महिला महाविद्यालय, गिलाई, एवं अध्यक्ष, अध्ययन समिति, देवेन्द्र नगर विश्वविद्यालय | - सदस्य |  |
| डॉ. रविम मिश्र, प्राचार्य महिला महावि. रायपुर | - सदस्य |  |
| डॉ. अरुण दुग्गल, वरुण राव फाउण्डेशन महिला महावि. दुर्ग | - सदस्य |  |
| डॉ. निशा श्रीवास्तव, होलीकांत महिला महावि. अम्बिकापुर | - सदस्य |  |
| डॉ. शिवा बनर्जी, प्राचार्य महिला महावि. रायपुर | - सदस्य |  |
| श्रीमती मन्मता जार, देव, शासकीय कमलादेवी उती महिला स्नातको. महावि. राजनंदराव छ.ग. | - सदस्य |  |
| सुधी सुनया शर्मा, शासकीय कला महाविद्यालय, बिलासपुर | - सदस्य |  |
| डॉ. दीपली शर्मा, शासकीय चन्द्रधाम सिंह गुप्त स्नातको. महावि. बालोद | - सदस्य |  |
| डॉ. अर्पण देवित, शासकीय कला महाविद्यालय, बिलासपुर | - सदस्य | |
| डॉ. शोभा महेश्वर, शासकीय माता शर्मा महावि. बिलासपुर | - सदस्य |  |

डॉ. वर्षा डोडिया, विषय विशेषज्ञ तथा शेष अन्य सदस्य ऑन लाइन उपस्थित रहे.



Part A: Introduction			
Program: Degree Course		Class: B.A. III Year	Year: 2022 Session: 2022-2023
1	Course Code	BAHSC-5T	
2	Course Title	Home Science- Paper 5 (Human Development)	
3	Course Type	Theory	
4	Pre-requisite (if any)	NO	
5	Course Learning Outcomes (CLO)	<p>At the end of this course, the students will be enable to:</p> <ul style="list-style-type: none"> • To understand Basic Knowledge of Development. • To understand Basic Knowledge of Development in various stages of age. • To understand Basic knowledge of factors affecting growth & Development. • To understand Basic knowledge of Prenatal & Post natal growth. • To understand Basic knowledge of Physical, Emotional and social development. 	
6	Credit Value	Theory:4	
7	Total Marks	Max. Marks: 50	Min Passing Marks: 17

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	No. of Periods
I	<p>Development: meaning of child growth and development. Different aspects of growth, principles of development, factors affecting child development, heredity and environment.</p> <p>Stages of development : Physiology of pregnancy</p> <p>Prenatal:(a)Reproductive system (b)Prenatal development</p> <p>Infancy :(a)Early infancy (b) Babyhood</p> <p>Childhood: (a) Early childhood (b) Late childhood</p> <p>Adolescence:(a) Early adolescence (b) Late adolescence</p> <p>Prenatal growth and development :</p> <p>(a)Sources of studying prenatal life, (b)Stages of growth prenatal and development, (c)Factors affecting prenatal development and growth- Mother's food, Health of mother, Narcotics, Age of parents, Effect of season, Emotion of mother.</p>	12
II	<p>Effect of normal and caesarean delivery:</p> <p>Adjustment to new environment: Temperature, Respiration, Food consumption, Excretion.</p> <p>Physical development of infant: Physical proportion, Height, Weight, Pulse rate, Respiration rate, Body temperature, Frequency of hunger.</p> <p>Sensory development of infant: Light, Sound, Taste, Smell, Skin</p>	12

	<p>sensitivity.</p> <p>Motor activity of infants: Mass activities, Specific activities: Reflex activities, Advantages of reflex action.</p> <p>Emotions of infants: Types of emotions, Significance of emotions.</p> <p>Characteristics of infant behavior: Dependency, Individual difference, Adjustment.</p>	
III	<p>Childhood : Adolescence: Characteristics of this stage., Factors affecting growth and development during childhood and adolescence., Physical growth height, weight, body proportion, teeth, Growth and development of internal organs:(a) Nervous (b) Mental (c) Circulatory system (d) Digestive system, (e) Respiratory system (f) Tissues and muscles systems.</p> <p>Development of motor abilities (i) Types of motor abilities (ii) importance and characteristics of motor abilities in childhood (iii) Development of motor skills, Types of motor skills (iv) Delayed motor development.</p>	12
IV	<p>Development of emotional behavior: characteristics special emotions (affection, anger, fear, jealousy and worries) factors affecting emotional behavior.</p> <p>Social developments stages: (a) during infancy, (b) nursery school period (c) elementary school period (d) Factor affecting social development.</p> <p>Development of intelligence: Types according to Thorndike, theories regarding intelligence.</p>	12
V	<p>Play meaning of play: work and play, theories of play, characteristics of children's play, types of play, factors effecting play and importance of play: Habits: Definition, Functions performed by habits, Habits and learning, Laws of habit formation: Identical to laws of learning.</p> <p>Habit formation: Principles of habit formation, Rules for habit formation.</p> <p>Child delinquency: Types causes and remedial measures.</p>	12
<p>Keywords: Development: meaning of child growth and development. Different aspects of growth, principles of Development, factors affecting child development, heredity and environment. Pre natal, Post natal growth, Emotional development, Social Development.</p>		

Part C: Learning Resources

Text Books, Reference Books, Other Resources

Suggested Readings:

1. The Development of Children- Cynthia Lightfoot, 1st Edition, MACMILLAN.
2. Human Development- Srivatava Sushila, 1st Edition, S Chand & Company.
3. Human Resource Development- Siddhant Memon, 3rd Edition, INFINITY ENGINEERING ACADEMY.
4. Foundation of Human Development- Asha Singh, 1st Edition, The Orient Blackswan.
5. Human Development- Carol K. Sigelman, 1st Edition, Cengage Learning India Private Limited.
6. Human Development- Diane Papalia, 11th Edition, McGraw-Hill Education.

7. Human Resource Development- Randy L. DeSimone, 6th Edition, Cengage Learning India Private Limited.

E-Learning Sources:

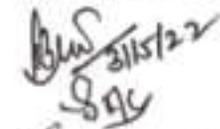
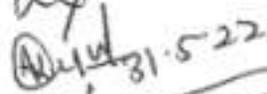
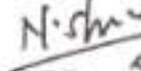
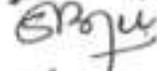
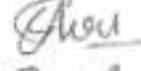
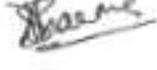
1. खेल एवं विकास
<https://youtu.be/dXM RB97r57E>
2. बाल विकास में खेल और काम में अन्तर
<https://youtu.be/FANhL3AdksE>
3. संवेगात्मक विकास
<https://youtu.be/EFxIkCpedlg>
4. विभिन्न अवस्थाओं में क्रियात्मक विकास
<https://youtu.be/v9Zra08uS9Q>
5. Stages of development infancy babyhood ,earl childhood late childhood adolescence adulthood old age
<https://youtu.be/2fgDs8SgpY8>
6. ज़ीन पियाजे के सिद्धांत
<https://youtu.be/gnlkUzdWV0Y>
7. POCSO,PCPNDT CARA GAWA!!FOR WOMEN AND CHILDREN
<https://youtu.be/aL6tEqkbD64>
8. Psycho sexual theory by Freud (child development)
<https://youtu.be/Y7jyaURVJuM>
9. बाल्यावस्था में होने वाले क्रियात्मक विकास
<https://youtu.be/1Fy-FJY4WhY>
10. Child Development -Reflex Action-Moro, rooting, palmer, grasp reflex in Infancy Stage
<https://youtu.be/BU s2UO5Si1o>
11. गर्भावस्था की अवस्थाएं
<https://youtu.be/ldui61y1M5A>
12. शैशवावस्था की विशेषताएं
<https://youtu.be/JwhscommKQg>
13. कोलबर्ग की थ्योरी
<https://youtu.be/9AAV21HfTOY>
14. Piagets Cognitive development theory
<https://youtu.be/QRXOneFB0Qo>
15. Piaget's Cognitive development theory
<https://youtu.be/L9weWOrZzK4>
- psychosexual theory
<https://youtu.be/GSMNW oD45VA>
- फ्रायड की मनोविश्लेषणात्मक सिद्धान्त
<https://youtu.be/ZgKrYH3HF34>

Part D:Assessment and Evaluation

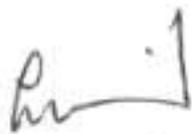
Suggested Continuous Evaluation Methods:-

University Exam (UE): 50

आज दिनांक 31.05.2022 को केन्द्रीय अध्ययन मण्डल की वीडियो गूडविलियम विभाग में आयोजित की गई जिसमें निम्नलिखित सदस्य उपस्थित हुए तथा विभिन्न गूडविलियम से संबंधित विषयों के पाठ्यक्रम संशोधित एवं अनुमोदित किये गये-

डॉ. सीमा मिश्र, शासकीय विद्यालय कन्या महाविद्यालय, बिलासपुर	- अध्यक्ष	
डॉ. बबीता दुबे	- प्रतिनिधि, जम्मू शिक्षा विभाग, जम्मू शकपुर	
डॉ. भारती सेठी, डॉ. सुखदेव बघेल शासकीय स्नातकोत्तर महाविद्यालय, बिलासई-3, दुर्ग	- सदस्य	
डॉ. संजया वर्मा, शासकीय कला एवं वाणिज्य महावि. देवेन्द्र नगर, शकपुर	- सदस्य	
डॉ. संजया मदन मोहन, झाधार्द, बिलासई महिला महाविद्यालय, बिलासई, एवं अध्यक्ष, अध्ययन मण्डल, देवेन्द्र नगर विद्याविद्यालय	- सदस्य	
डॉ. सीमा मिश्र, कृषिधारी महिला महावि. शकपुर	- सदस्य	
डॉ. अरुणा दुग्गल, बालन धाम पाठशाला महिला महावि. दुर्ग	- सदस्य	
डॉ. निशा श्रीवास्तव, इंजीनियरिंग महिला महावि. बबिवापुर	- सदस्य	
डॉ. निशा बनर्जी, कृषिधारी महिला महावि. शकपुर	- सदस्य	
श्रीमती ममता आर. देव, शासकीय कलासाधेवी सती महिला स्नातको. महावि. राजनंदनबाग छ.प.	- सदस्य	
दुर्गा सुष्मा घर्ष, शासकीय विद्यालय कन्या महाविद्यालय, बिलासपुर	- सदस्य	
डॉ. दीपली एच. शासकीय धनश्याम सिंह मुक्त स्नातको. महावि. बलौच	- सदस्य	
डॉ. अर्पणा देविका, शासकीय विद्यालय कन्या महाविद्यालय, बिलासपुर	- सदस्य	
डॉ. सीमा महिस्वर, शासकीय कला सचरी महावि. बिलासपुर	- सदस्य	

डॉ. वर्षा डोडिया, विषय विशेषज्ञ तथा शेष अन्य सदस्य ऑन लाइन उपस्थित रहे.



Part A: Introduction			
Program: Degree Course	Class: B.A. III Year	Year: 2022	Session:2022-2023
1	Course Code	BAHSC-6T	
2	Course Title	Home Science- Paper 6 (आहार एवं पोषण)	
3	Course Type	Theory	
4	Pre-requisite(if any)	NO	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be enable to: <ul style="list-style-type: none"> To understand Basic Knowledge of health & Nutrition. To understand Basic knowledge of Food Groups. To understand Basic knowledge of Excess & deficiencies of nutrients. To understand Basic knowledge of Vitamins. To understand Basic knowledge of Normal & Therapeutic nutrition. 	
6	Credit Value	Theory: 4	
7	Total Marks	Max. Marks: 50	Min Passing Marks: 17

Part B: Content of the Course		
Total Periods: 60		
Unit	Topics	No. of Periods
I	<p>पोषण: पोषण की परिभाषा, कार्यों के आधार पर पौष्टिक तत्वों का वर्गीकरण, उष्मा प्रदान करने वाले कार्बोज, वसा, शरीर का निर्माण करने वाला:प्रोटीन, खनिज तत्व, सुरक्षा व नियमन करने वाले जल, जीवन तत्व।</p> <p>कार्बोज: परिभाषा, कार्य पाचन, अभिपोषण, चयापचय,रक्त शर्करा स्तर व इसके नियमन अधिकता का प्रभाव प्राप्ति का साधन एवं दैनिक आवश्यकता।</p> <p>वसा: परिभाषा, कार्य, वर्गीकरण, पाचन, अभिशोषण, चयापचय, संतृप्त व असंतृप्त वसीय अम्ल, आवश्यक वसीय अम्ल, कोलेस्टेरॉल कमी व अधिकता के प्रभाव एवं दैनिक आवश्यकता।</p> <p>प्रोटीन: परिभाषा, कार्य, वर्गीकरण, पाचन, अभिपोषण, चयापचय, नाइट्रोजन संतुलन, प्रोटीन का जैविक मूल्य, प्रोटीन का पूरक मूल्य, प्रोटीन व कैल्शरी कुपोषण,प्राप्ति के साधन एवं दैनिक आवश्यकता।</p> <p>खनिज तत्व: सामान्य वर्गीकरण व कार्य, कार्य, अभिपोषण को प्रभावित करने वालेतत्व कमी व अधिकता के प्रभाव, साधन (कैल्शियम, फास्फोरस, लौहलवण, आयोडीन सोडियम, व क्लोराईड)</p> <p>विटामिन्स: (जीवन तत्व) सामान्य वर्गीकरण व कार्य, कमी व अधिकता के प्रभाव,प्राप्ति के साधन, (जीवन तत्व ए.बी.सी.डी.ई.के)।</p> <p>जल:सामान्य कार्य, जल का संतुलन अधिकता के प्रभाव निर्जलीकरण।</p>	12
	<p>आहार: आहार का वर्गीकरण व कार्य, आधारीय चार-भोज्य समूह व स्रोत: भोज्य समूह</p> <p>अनाज: प्रकार, रचना, संगठन, पकाने से पहले की प्रक्रिया:गौलिंग,</p>	12

II	<p>पालिशिंग, पारवाइलिंग, फनोरिंग, पारविंग, अनाज को उपयोग करने के विभिन्न तरीके, अनाज: ताप, क्षार, खमीरीकरण व ड्रीडिंग के प्रभाव। दालें: प्रकार, संतन, अंकुरण व खमीरीकरण के प्रभाव दूध: प्रकार, संगठन, दूध से बने पदार्थ: दही, मक्खन, चीज आदि पाश्चुराइलेशन एवम् होमोजीनाइजेशन। फल व सब्जियों: वर्गीकरण, संगठन, वर्णक, प्रोटीन का महत्व, परिपक्व होने की प्रक्रिया। अण्डा: संगठन, पकाने का प्रभाव मांस मछली, पोल्ट्री: संगठन, पकाने से होने वाले परिवर्तन। शक्कर, गुड़, शहद: संगठन, प्रकार, विधियों में उपयोग। पेय पदार्थ: वर्गीकरण, पोषण की दृष्टि से महत्व, अत्याधिक उपयोग का प्रभाव। मसाले: प्रकार, संगठन, पोषण की दृष्टि से महत्व।</p>	
III	<p>खाद्य संरक्षण: उद्देश्य, विधियों, घरेलू संरक्षण, औद्योगिक संरक्षण। खाद्य पदार्थों में सड़न: कारण, पहचान, उपचारात्मक विधियों भोज्य विषाक्तता: कारण, प्रकार, पहचान, उपचारात्मक तरीके खाद्य मिलावट: आवश्यकता, प्रकार, महत्वपूर्ण मिलावटी पदार्थ, मिलावटी पदार्थों को पहचानने की सरल विधियाँ। खाद्य संग्रहण: आवश्यकता, प्रकार, उपयोग में होने वाले महत्वपूर्ण रसायन।</p>	12
IV	<p>आहार नियोजन: महत्व; आहार नियोजन के सिद्धांत प्रतिदिन की निर्धारित मात्रा (आर.डी.ए.) आहार आवोजन को प्रभावित करने वाले तत्व, शिशु में पौष्टिक तत्वों व खाद्य पदार्थों की आवश्यकता, आहार माता का दूध, फार्मूला फीडिंग। बालक का पोषण: आयु समूह की विशेषताएँ, पौष्टिक तत्व एवं आहार की आवश्यकता, शालेय आहार कार्यक्रम: प्रकार, महत्व। मर्भावस्था व छात्रीवस्था में पोषण: शारीरिक परिवर्तन, पौष्टिक तत्वों की आवश्यकता, असामान्य परिस्थितियाँ। वृद्धावस्था में आहार एवम् पोषण: शारीरिक परिवर्तन, पौष्टिक तत्वों की आवश्यकता। असामान्य स्थितियाँ।</p>	12
V	<p>उपचारात्मक पोषण: परिभाषा सामान्य आहार परिवर्तन धयापचयी रोग: मधुमेह: परिभाषा, लक्षण, कारण, इन्सुलेशन के प्रकार, आहारका प्रभाव, हाइपोग्लोसेफिक दवाईयाँ, मधुमेह में असामान्य स्थितियाँ, अधिक वजन/ कम वजन: परिभाषा, कारण, उपचारात्मक तरीके। पौष्टिक तत्वों की कमी से होने वाले रोग: रक्तहीनता: प्रकार, कारण, पहचान, आहार, ए-विटामीनोसिस: प्रकार, कारण, उपचार। प्रोटीन कैलोरी कुपोषण: कारण, उपचारात्मक तरीके। रोग जिसमें आहारीय चिकित्सा सम्मिलित है: यकृत के रोग: प्रकार, कारण, आहार (पौष्टिक तत्वों की आवश्यकता) पेप्टिक अल्सर: कारण, लक्षण, आहार (पौष्टिक तत्वों की आवश्यकता) अपचन: कारण, पौष्टिक तत्वों की आवश्यकता, अतिसार: प्रकार, कारण, आहार, कब्ज: प्रकार, कारण, आहार, उक्त रक्तचाप: कारण, आहार।</p>	12

Keywords: पोषण कार्बोज वसा प्रोटीन खनिज तत्व कैल्शियम, फास्फोरस, लीहलवण, आयोडीन सोडियम, क्लोराईड विटामिन्स जल।

Part C: Learning Resources

Text Books, Reference Books, Other Resources

Suggested Readings:

1. Normal & Therapeutic Nutrition- C.H. Robinson, 1st Edition, Collier Macmillan Ltd.
2. Normal & Therapeutic Nutrition- Robinson, 16th Revised Edition, Macmillan publisher.
3. Normal & Therapeutic Nutrition- Vipul Khetarpaul, 1st Edition, Generic publisher.
4. Foundations of Normal and Therapeutic Nutrition- T. Randall Lankford, 2nd Edition, Delmar Cengage Learning publisher.
5. Food Science- B Srilakshmi, 6th Edition, New Age International Publishers.
6. Nutrition Science- B Srilakshmi, 6th Edition, New Age International Publishers.

E-Learning Resource:

1. Carbohydrates

<https://www.medicalnewstoday.com/articles/161547>

<https://www.hsph.harvard.edu/nutritionsource/carbohydrates/>

2. Protein

<https://www.britannica.com/science/protein>

www.youtube.com/watch?v=HSCUAjZQhXI

3. Fat

<https://www.hsph.harvard.edu/nutritionsource/what-should-you-eat/fats-and-c>

<https://www.youtube.com/watch?v=QhUrc4BnPgg>

4. Nutrition Care Process

<https://youtu.be/4IMhVISEcxA>

5. Nutritional Management of Diabetes -2

<https://youtu.be/4iDi7fjSAGE>

6. Nutritional requirements during pregnancy

<https://youtu.be/o6s1jGdo7po>

7. Nutritional Management of Diabetes – 1

<https://youtu.be/FMZNmgmwXag>

8. Nutritional Management of infections

<https://youtu.be/B0vLIHvNxAY>

9. Nutritional Care During Fever -1

https://youtu.be/6EHdeYmq_ic

10. Nutritional Care - Celiac Disease and Lactose Intolerance

<https://youtu.be/DiNI31acMGc>

11. Nutritional Management of Hepatitis

<https://youtu.be/z34vP8uus5E>

12. Nutritional management Eating Disorders

https://youtu.be/79V_jHpMB3A

13. Management of Metabolic Syndrome

<https://youtu.be/GjSeaWcVpjl>

14. Management of Hypertension II

<https://youtu.be/eAonEBKWMhE>

15. Management of Food allergy & Intolerance- <https://youtu.be/jfZ4G0aF8DA>

Part D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:-

University Exam (UE): 50

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B.A.III

Psychology

Paper	Name of the Paper	Max. Marks	Duration
I	Psychological Statistics	50	3hrs.
II	Human Development/ Environmental Psychology	50	3hrs.
III	Practical	50	4hrs

Paper I

PSYCHOLOGICAL STATISTICS (Paper Code-0250)

Note: This paper consists of five units. From each unit a minimum of two questions would be set and the candidates would be required to attempt one from the each unit

Unit I-Statistics- Meaning and Application in psychology, Nature of Score Categorical and Continuous variables, Frequency Distribution, Graphic Representation of data.

1 Credit

Unit II -Measures of Central Tendency-Mean, Median and Mode of grouped and ungrouped data, Measure of Variability, Range, Average Deviation (A.D.), Quartile Deviation (Q.D.), and Standard Deviation (S.D.) Application of the measures of central tendency and variability.

1 Credit

Unit III- Nature and Characteristics of Normal Probability Curve (NPC). The concept of Skewness and Kurtosis, Correlation -Concept, Types and Methods -Rank Difference and Product Moment (in ungrouped data).

1 Credit

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Unit IV- Inferential Statistics: Concept of Null Hypothesis, Level of Significance, Type-I Error and Ty

t-test (for uncorrelated data), ANOVA, MANOVA.

½ Credit

Unit V- Regression, Use of Computer in Statistics, Use of SPSS.

½ Credit

Books Recommended-

1. Garret, Statistics in Psychology and Education. Times of India Publisher.

2. कपिल एच. के. सांख्यिकीके मूलतत्व

3. गैरेट मनोविज्ञान एवं शिक्षामें सांख्यिकी

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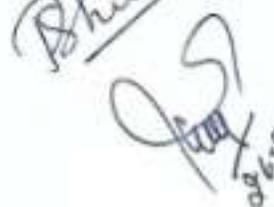
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3. Mishra, R.C., Sinha, D. & Berry, J.W. (1996). Ecology, Community and Life style. New Delhi.

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BA III Year

Psychology

Human Development

Note: This paper consists of five units. From each unit a minimum of two questions would be set and the candidates would be required to attempt one from the each unit

Unit I- The concept of Human Development. Determinants of Human Development. Psychoanalytical and Maslow's Humanistic. Determinants: Biological, Social and Cultural approaches to Study Human Development. Longitudinal and Cross sectional.

1 Credit

Unit-II. Socialization- Role of Family, Peers and School, Media and Socialization. Cognitive Development- Theoretical Perspectives Piaget, Information Processing Model, Vygotsky.

1 Credit

Unit III - Self -Concept -Meaning and Definition, Types of Self Concept, Development of Self Concept Cognitive, Social and Cultural influence on Self Concept .

1 Credit

Unit IV- Moral Development- Definition and Stages of Moral Development. Importance of Values in Moral Development. Theory of Moral Development Kohlberg, Sequential Development of Emotion

1/2 Credit

Unit V- Problems of Aging, Cognitive, Conative and Affective. Factors Influencing Aging, Biological, Psychological, Social and Occupational Factors.

1/2 Credit

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Books Recommended-

1. Berk L.E (1989). Child development, Boston: Allyn and Bacon
2. Santrock, J.W. (1999). Life Span Development. New York.
3. Hurlock E.B. (1997) Developmental Psychology: A Life Span approach. v. edition.

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PSYCHOLOGY

PAPER- III

PRACTICUM

M.M.:50

Note: This paper consists of three parts:

Part-A

- (a) Comprises of Laboratory Experiments.
- (b) Comprises of psychological Testing and understanding of self and others.
- (a) Experiments (Any four of the following):-
1. Habit Interference.
 2. Effect of Need priority on Selection of advertising material.
 3. Effect of Mental fatigue on Performance.
 4. Reaction Time.
 5. Effect of Frustration on Learning.

PART B

Psychological Tests (Any four of the following):-

1. Level of Aspiration.
2. Need for Guidance.
3. Maturity Scale.
4. Classroom Environment Scale.
5. Mental Health.
6. Test of Moral Values.

EXPERIMENT AND TEST 1 CREDIT

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Part- C

Test Construction – 7 Day Workshop

Pilot Study

Report Writing

Distribution of Marks

Conduction of Experiment - 10 marks

Administration of test - 10 marks

Test Construction 10 marks

Evaluation of Project Report - 10 marks

Viva - Voce - 10 marks

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B.A. IV Year

Paper I

Research Methodology

Note: This paper consists of five units. From each unit a minimum of two questions would be set and the candidates would be required to attempt one from each unit

Unit-1 Meaning and Aspect of Research- Introduction to Research, Basic tenets of Qualitative and Quantitative Research, Relevance of Methodology- Observation and Case Study, Interview.

1 Credit

UNIT-2 Sampling and Field Research Design- Type of Sampling, Selecting topics for research, Pure versus applied research; Literature review: International, National; Units of analysis: Concept, Problem, hypotheses, Variables Stages of research; Type of research design with suitable examples.

1 Credit

UNIT-3. Qualitative and Quantitative Research- Similarities and differences between qualitative and quantitative data analysis; Methods of qualitative and quantitative data analysis; Hypotheses testing.

1 Credit

UNIT-4 Data Collection and Analysis- Data and data sources: Primary and secondary data sources; Need and collection of primary data. Limitations of secondary data. Concept of survey; Construction of questionnaire; wording of questions; open and closed response categories; response category format, Mailed questionnaire; factors affecting mail surveys, Basic Statistics; importance of statistical data- graphical presentation, frequency distribution, Measures of central tendency, measures of dispersion.

1/2 Credit

UNIT-5 Ethics in Social Research- Ethics in research, ethics and the scientific community, ethics and the sponsors of research; ethical issues involving human subjects-harm, deception, informed consent special populations and new inequalities; privacy, anonymity and confidentiality, making ethical decisions. The politics of research: limits on research.

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discuss of research findings; The uses of research: science and society, Indian case
1/2 Credit

Paper II

Dissertation/ Field Work

1 Credit

Book Recommended:

Brooker K.D. (1992) Experimental design in Psychological research New York
Willey Eastern.

Edwards A.K. (1976) Experimental design in Psychological Research.
New York - Hall.

Meguihan F.J. (1990). Experimental Psychology: Methods of Research
New Delhi - Prentice Hall.

Kerlinger F.N. (1973) Foundations of Behavioural research.
New Delhi.

Surjeet Singh A.K. Manovigyan Samayakshetra tatha shikha me
Stodh vidhiya.

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**बी.ए. तृतीय वर्ष
प्रश्न-पत्र प्रथम-सैद्धांतिक**

कार्यक्रम : डिग्री		कक्षा : बी.ए. तृतीय वर्ष	वर्ष :	सत्र :
विषय - नृत्य (भरत नाट्यम)				
1	पाठ्यक्रम का कोड			
2	पाठ्यक्रम का शीर्षक	नृत्य का इतिहास एवं सामान्य अध्ययन		
3	पाठ्यक्रम का प्रकार : (कोर कोर्स / इलेक्टिव / जेनेरिक / इलेक्टिव / वोकेशनल)	कोर कोर्स		
4	पाठ्यक्रम अध्ययन की परिलक्षियाँ (कोर्स लर्निंग आउटकम) (CLO)	निम्न बिन्दुओं के माध्यम से पाठ्यक्रम का ज्ञान होगा। <ul style="list-style-type: none"> • प्राचीन भारतीय संस्कृति से अवगत होना। • संस्कृत में श्लोकों को लिखने की क्षमता • नृत्य में रस का ज्ञान • स्थानीय कला का परिचय • रंगमंच की जानकारी 		
6	क्रेडिट अंक	03		
7	कुल अंक	50 (न्यूनतम-17)		
8	पाठ्यक्रम संख्या	45 व्याख्यान (15 कालखण्ड = 01 क्रेडिट अंक)		
पाठ्यक्रम	विषय			
1	नृत्य का इतिहास -	1. राजपूत काल 2. मुगल काल 3. ब्रिटिश काल 4. स्वतंत्र भारत में नृत्य (आधुनिक काल)		
	विभिन्न शास्त्रीय नृत्य प्रणालियों की संक्षिप्त जानकारी	1. मोहिनीअट्टम 2. मणिपुरी 3. छऊ 4. सत्रिय		
3	नवरस विवरण			
4	भारतीय प्रेक्षागृहों की जानकारी (नाट्यशास्त्र के अनुसार)	त्रयस्त्र, चतस्र एवं विकृष्ट प्रेक्षागृह		
5	लोकधर्मी नाट्य परंपरा -	लोकनाट्य -1. यक्षगान 2. तेरुकुतु 3. भवाई लोकनृत्य -1. भागड़ा 2. कोलाट्टम 3. सरहुल, 4. राजत नाचा छत्तीसगढ़ के लोकगीत- बांस गीत, बिहाव गीत		

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बी.ए. तृतीयवर्ष
प्रश्न-पत्र : द्वितीय-सैद्धांतिक

कार्यक्रम : डिग्री	कक्षा : बी.ए. तृतीय वर्ष	वर्ष :	सत्र :
विशय - नृत्य (मरत नाट्यम)			
1	पाठ्यक्रम का कोड		
2	पाठ्यक्रम का शीर्षक	शास्त्रीय नृत्य सिद्धान्त	
3	पाठ्यक्रम का प्रकार : (कोर कोर्स / इलेक्टिव / जेनेरिक / इलेक्टिव / वोकेशनल)	कोर कोर्स	
4	पाठ्यक्रम अध्ययन की परिलक्षियों (कोर्स लर्निंग आउटकम) (CLO)	निम्न दिन्दुओं के माध्यम से पाठ्यक्रम का ज्ञान होगा। <ul style="list-style-type: none"> • दक्षिण ताल पद्धति का सामान्य परिचय। • नाट्यशास्त्र की जानकारी। • तकनीकी शब्दों का ज्ञान 	
6	क्रेडिट अंक	03	
7	कुल अंक	50 (न्यूनतम-17)	
8	पाठ्यक्रम संख्या	45 व्याख्यान (15 कालखण्ड = 01 क्रेडिट अंक)	
पाठ्यक्रम	विषय		
1	ताण्डव और नास्य नृत्य का परिचय		
2	नायक - नायिका भेद निरूपण		
3	पादभेद-	(1) चारी (2) स्थानक	
4	मरतनाट्यम पद्धति के क्रमों (मार्गम का संक्षिप्त विवरण)	वर्णम्, कीर्तनम्, जावली, तिल्लाना, श्लोकम्	
5	वरिष्ठ नृत्य कलाकार की संक्षिप्त जीवनी	1. श्रीमती रुक्मिणी अरुण्डेल 2. श्रीमती बाला सरस्वती छत्तीसगढ़ के प्रसिद्ध लोक कलाकार 1. श्री झाड़ूराम देवांगन 2. श्री देवदास बंजारे	

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बी.ए. तृतीयवर्ष
प्रश्न-पत्र : प्रायोगिक

कार्यक्रम : डिग्री	कक्षा : बी.ए. तृतीय वर्ष	वर्ष :	सत्र:
विषय - नृत्य (भरत नाट्यम्)			
1	पाठ्यक्रम का कोड		
2	पाठ्यक्रम का शीर्षक	प्रायोगिक	
3	पाठ्यक्रम का प्रकार : (कोर कोर्स / इलेक्टिव / जेनेरिक / इलेक्टिव / वोकेशनल)	कोर कोर्स	
4	पाठ्यक्रम अध्ययन की परिभाषियाँ (कोर्स लर्निंग आउटकम) (CLO)	निम्न बिन्दुओं के माध्यम से पाठ्यक्रम का ज्ञान होगा। <ul style="list-style-type: none"> • शरीर के विभिन्न अवयवों का ताल, एवं तयात्मक संचालन • अङ्गुली का अभ्यास एवं प्रदर्शन • हस्तमुद्राओं एवं श्लोकों के बोलने का अभ्यास • मार्गम प्रस्तुति 	
5	क्रेडिट अंक	04 (60 कालखण्ड)	
7	मौखिक मुद्रा	(1) अतंयुक्त हस्त की सेष मुद्राओं का विनियोग (श्लोक सहित) (2) दशावतार हस्त	
8	कार्यक्रम विभाग	(1) पंचजाति (तत्समेट्टी के अनुसार) (2) शब्दम् अथवा पदम् (3) अष्टपदी अथवा कीर्तनम्	
9	प्रोजेक्ट कार्य	छत्तीसगढ़ के संदर्भ में	

अनुशसित अध्ययन संसाधन

पाठ्य पुस्तकें, संदर्भ पुस्तकें, अन्य संसाधन

अनुशसित सहायक पुस्तकें/ग्रन्थ/अन्य पाठ्य संसाधन/पाठ्य सामग्री :-

1. एशियाली नृत्य-भारतीय नृत्य पर्यट और अभिनय दर्शन।
2. डॉ. पुरु दावीय - भरतनाट्यम शिक्षा भाग-1
3. डॉ. मदिनी हंसल - वैश्विक नृत्य व नृत्य।
4. Understanding Bharatanatyam-Mrinalini Sarabhai
5. Bharat Narya and Other Dances of Tamil Nadu- E.Krishna Iyer
6. डॉ. पुरु दावीय - कथक नृत्य शिक्षा भाग-1 एवं 2
7. डॉ. चेतना श्रीवास्तव - कथक कला दुन
8. डॉ. भगवान दास भाणिक - कथक कथक।
9. डॉ. पद्मिनी बरही- कथक अर्थों के अरसी।
10. कानूनाल शास्त्री- नृत्य कला
11. The Dances of India - Enakshi Bhavanani
12. Classical Dances- Sonal Mansingh
13. Invitation to Indian Dances- Sushoela Mishra

अनुशसित मूल्यांकन विधियाँ

अनुशसित सतत् मूल्यांकन विधियाँ:

अधिकतम अंक : 50 (प्रति प्रश्नपत्र)

सतत व्यापक मूल्यांकन (CCE) अंक : 5 विश्वविद्यालय परीक्षा (UE) अंक : 45.

आंतरिक मूल्यांकन सतत व्यापक मूल्यांकन (CCE) :	क्लास टेस्ट	5
विश्वविद्यालयीन परीक्षा :		45
कुल अंक		50

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**B.A. FIRST YEAR
PAPER-FIRST - THEORY**

Program: Certificate		Class : B.A. First Year		Year : 2022		Session : 2022-23	
Subject - Dance (Bharatnatyam)							
1	Code of Course						
2	Title of Course			History of dance & General study			
3	Types of Course:(Core Course Elective/Generic/Elective/Vocational)			Core Course			
4	Prerequisite (If any)			To study this course, the student must have passed class 12th. (Students of all Faculties)			
5	Course Learning Outcome (CLO)			<p>Bharatanatyam is a special part of the rich cultural tradition of South India. This ancient dance form has flourished and flourished in the temples, which prospered under the patronage of kings and kingdoms and has been replaced all over the world.</p> <p>This course will make the students of this region of India aware of the ancient culture. There will be intellectual and physical development of the students- Knowledge of the curriculum will be done through the following points.</p> <ul style="list-style-type: none"> • To be aware of ancient Indian culture. • Ability to write shlokas in Sanskrit • knowledge of the symbolic hand of dance • Introduction to Local Art • Basic knowledge of Bharatnatyam dance 			
6	Credit Number			03			
7	Total Marks			50 (Minimum-17)			
8	Number of Lectures			45 Lecturers (15 Periods=01 Credit Number)			
Course	Subject						
1	History of dance	-	Status of dance in Indus civilization, Vedic period, Ramayana and Mahabharata period.				
2	On the basis of Puranas	-	dance stories of Umashkar and Natwar Shri Krishna - Tripuradah, Uma Tandava, Mohini-Bhasmasura, Makhhan Leela, Kaliya Daman, Rasleela.				
3	Introduction of Dance Styles	-	Characteristics of Bharatnatyam Dance Style				
4	Origin of Natya	-	Described in the first chapter of Bharata's Natyashastra.				
5	Lokdharmi Natya Tradition	-	Brief information of the following - 1. Ramleela 2. Rasleela 3. Chattisgarhi Folk Natya Tradition - Dance, Pandwani				

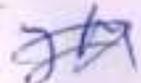
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B.A. FIRST YEAR
PAPER-SECOND - THEORY

Program: Certificate		Class : B.A. First Year		Year : 2022		Session : 2022-23	
Subject - Dance (Bharatnatyam)							
1	Code of Course						
2	Title of Course			Theory of Classical Dance			
3	Types of Course : (Core Course Elective/Generic/Elective/Vocational)			Core Course			
4	Prerequisite (If any)			To study this course, the student must have passed class 12th. (Students of all Faculties)			
5	Course Learning Outcome (CLO)			<p>Bharatanatyam is a special part of the rich cultural tradition of South India. This ancient dance form has flourished and flourished in the temples, which prospered under the patronage of kings and kingdoms and has been replaced all over the world.</p> <p>This course will make the students of this region of India aware of the ancient culture. There will be intellectual and physical development of the students- Knowledge of the curriculum will be done through the following points.</p> <ul style="list-style-type: none"> • General Introduction to the South Indian Taal System. • Benefits of dance. • Knowledge of technical terms 			
6	Credit Number			03			
7	Total Marks			50 (Minimum-17)			
8	Number of Lecturers			45 Lecturers (15 Periods =01 Credit Number)			
Course		Subject					
1	Basic knowledge of rhythm/ Taal		-	1. The ten pranas of the Taal. 2. Laya – Delay(Vilambit), middle(Madhya) and fast (Drutam) rhythm.			
2	Brief Biography		-	Bharat Muni, Acharya Nandikeshwar.			
3	Physical and mental benefits from the practice of dance.						
4	Importance of Guruvandana in Indian Dance/theatrical tradition.						
5	General Introduction to Chhattisgarhi Dances		-	Karma, Dadriya, Sua, Panthi, Raut Nacha			



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B.A. FIRST YEAR PRACTICAL

Program: Certificate	Class : B.A. First Year	Year : 2022	Session : 2022-23
Subject - Dance (Bharatnatyam)			
1	Code of Course		
2	Title of Course	Practical	
3	Types of Course : (Core Course Elective/Generic/Elective/Vocational)	Core Course	
4	Prerequisite (If any)	To study this course, the student must have passed class 12th. (Students of all Faculties)	
5	Course Learning Outcome (CLO)	<p>Bharatanatyam is a special part of the rich cultural tradition of South India. This ancient dance form has flourished and flourished in the temples, which prospered under the patronage of kings and kingdoms and has been replaced all over the world.</p> <p>This course will make the students of this region of India aware of the ancient culture. There will be intellectual and physical development of the students- Knowledge of the curriculum will be done through the following points.</p> <ul style="list-style-type: none"> Knowledge of Rhythm, and its Physical Presentations by the students. Practice and Demonstration of Adavus Practice of shlokas Practicing hand gestures 	
6	Credit Number	04	
7	Viva/Oral	Mudras and Shlok Presentation (According to Abhinay Darpanam) Shiv Stuti, Shirobhed, Greevabhed, Drishtibhed, Asamyut Hast, Samyut Hast	
8	Presentaion	1- Technical Word- Aramandi, Murmandi, Naday, Sama, Tattakadi 2- First Five Adavu(Hand and Feet in three kalas) Tatta Adavu, Natta Adavu, Parval Adavu, Kudittmett Adavu	
9	Project Work	Folk Dances of chhattisgarh	

Recommended Study Resources

Text Books, Reference Books, Other Resources

Recommended Supporting Books/Texts/Other Text Resources/Textual Material:-

1. Vachaspati Gairola - Indian theatrical tradition and acting mirror.
2. Dr. Purudulhich - Bharatnatyam Education Part-1
3. P. Medini Hombal - Global Dance and Drama.
4. Understanding Bharatnatyam-Mrinalini Sarabhai
5. Bharat Natya and Other Dances of Tamil Nadu- E.Krishna Iyer
6. Dr. Puri Dalhich - Kathak Dance Education Part-1 & 2
7. Dr. Chetna Beshkar - Kathak Kalp Drm
8. Dr. Bhagwan Das Manik - Kathak Mudryama.
9. Dr. Jyoti Bakshi - RC of Kathak letters.
10. Babulal Shastri - Natya Shashtra
11. The Dances of India - Enakshi Bhuvanani
12. Classical Dances- Sonul Mansingh
13. Invitation to Indian Dances- Saheela Mishra

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Recommended Assessment Methods		
Recommended Continuous Evaluation Methods:		
Maximum Marks: 50 (Per Paper)		
Continuous Comprehensive Evaluation (ii) Marks: 5 University Examination (ii) Marks: 45		
internal assessment	Class test	5
Continuous Comprehensive Evaluation (CCE) :		45
University Examination		50
Total Marks		

B.A. SECOND YEAR PAPER-FIRST - THEORY

Program: Diploma		Class : B.A. Second Year		Year :	Session :
Subject - Dance (Bharatnatyam)					
1	Code of Course	History of dance & General study			
2	Title of Course	Core Course			
3	Types of Course (Core Course Elective/Generic/Elective/Vocational)				
4	Course Learning Outcome (CLO)	The knowledge of the course will be through the following points:- <ul style="list-style-type: none"> • To be aware of ancient Indian culture. • Acting information. • Study of classical and regional dances 			
6	Credit Number	03			
7	Total Marks	50 (Minimum-17)			
8	Number of Lectures	45 Lecturers (15 Periods=01 Credit Number)			
Course		Subject			
1	Medieval History of Dance	-	(History of dance from Panini period to Gupta period) 1. Early medieval period 2. Gupta period		
2	Abhinaya Bhed	-	Aangik, Vachik, Aaharya and Sattvik		
3	Different Classical Dance Styles (Brief Introduction)	-	1. Kathak 2. Kathakali 3. Odissi 4. Kuchipudi		
4	Relationship of dance with other fine arts	-	Relationship with music, literature, painting and sculpture		
5	Lokdharmi Natya Tradition	-	Loknatya- Jatra, Tamasha, Mach Chhattisgarhi Folk Natya - Rahas, Dance Folk Dance- Garba, Bihu		

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B.A. SECOND YEAR PAPER-FIRST - THEORY

Program: Diploma		Class : B.A. Second Year		Year :	Session :
Subject - Dance (Bharatnatyam)					
1	Code of Course				
2	Title of Course			History of dance & General study	
3	Types of Course : (Core Course Elective/Generic/Elective/Vocational)			Core Course	
4	Course Learning Outcome (CLO)			The knowledge of the course will be through the following points:- <ul style="list-style-type: none"> • To be aware of ancient Indian culture. • Acting information. • Study of classical and regional dances 	
6	Credit Number			03	
7	Total Marks			50 (Minimum-17)	
8	Number of Lectures			45 Lecturers (15 Periods=01 Credit Number)	
Course		Subject			
1	Medieval History of Dance	-	(History of dance from Panini period to Gupta period) 1. Early medieval period 2. Gupta period		
2	Abhinaya Bhed	-	Aangik, Vachik, Aaharya and Sattvik		
3	Different Classical Dance Styles (Brief Introduction)	-	1. Kathak 2. Kathakali 3. Odissi 4. Kuchipudi		
4	Relationship of dance with other fine arts	-	Relationship with music, literature, painting and sculpture		
5	Lokdharmi Natya Tradition	-	Loknatya- Jatra, Tamasha, Mach Chhattisgarhi Folk Natya - Rahas, Dance Folk Dance- Garba, Bihu		





B.A. SECOND YEAR PAPER-SECOND - THEORY

Program: Diploma		Class : B.A. Second Year		Year :	Session :
Subject - Dance (Bharatnatyam)					
1	Code of Course				
2	Title of Course			History of dance & General study	
3	Types of Course : (Core Course Elective/Generic/Elective/Vocational			Core Course	
4	Course Learning Outcome (CLO)			<p>The knowledge of the course will be through the following points.</p> <ul style="list-style-type: none"> • General Introduction to the South Indian Taal System. • The merits and demerits of a dance artist. • Knowledge of technical terminology 	
6	Credit Number			03	
7	Total Marks			50 (Minimum-17)	
8	Number of Lectures			45 Lecturers (15 Periods=01 Credit Number)	
Course		Subject			
1	South Indian Taal system				
2	Brief Notes	-	1. Manglacharan 2. Pushpanjali 3. Natya 4. Nritta 5. Nritya		
3	Essential Qualities and Defects of Dance Artists				
4	Brief description of the sequences (margams) of the Bharatanatyam dance styles	-	1. Alaripu 2. Jatiswaram 3. Shabdham 4. Ashtapadi 5. Padma		
5	Brief Biography of Senior Dance Artist	-	1. Mrs. Gauri Amma 2. Shri Meenakshi Sundaram Pillai Chhattisgarhi folk artist 1. Dau Ramchandra Deshmukh 2. Mrs. Teejan Bai		

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B.A. SECOND YEAR PRACTICAL

Program: Diploma		Class : B.A. Second Year	Year :	Session :
Subject - Dance (Bharatnatyam)				
1	Code of Course			
2	Title of Course	Practical		
3	Types of Course : (Core Course Elective/Generic/Elective/Vocational)	Core Course		
4	Course Learning Outcome (CLO)	<p>The knowledge of the course will be through the following points:-</p> <ul style="list-style-type: none"> • Rhythm, and rhythmic operation of various parts of the body • Practice and demonstration of Adavus. • Beginning of the Margam. • Practice of speaking hand gestures and shlokas 		
6	Credit Number	04		
7	Viva/ Oral	Viniyogas of First fifteen Asamyut Mudras (Patak to padam kosh)		
8	Presentation	Physical Exercise- Alaripu, Jatiswaram Ten Advus (In Four Speed)		
9	Project Work	Main Festival of Chhattisgarh		

Recommended Study Resources

Text Books, Reference Books, Other Resources

Recommended Supporting Books/Texts/Other Text Resources/Textual Material:-

1. Vachaspati Girola - Indian theatrical tradition and acting mirror.
2. Dr. Puradadhich - Bharatnatyam Education Part-1
3. P. Medini Hombul - Global Dance and Drama
4. Understanding Bharatnatyam-Mrinalini Sarabhai
5. Bharat Natya and Other Dances of Tamil Nadu- E.Krishna Iyer
6. Dr. Pura Dadhich - Kathak Dance Education Part-1 & 2
7. Dr. Chitra Beuhar - Kathak Kalp Drum
8. Dr. Bhagwan Das Munik - Kathak Mudhyanta
9. Dr. Jyoti Bakshi - RC of Kathak letters.
10. Babulal Shastri - Natya Shastri
11. The Dances of India - Enakshi Bhavanani
12. Classical Dances- Sonal Mansingh
13. Invitation to Indian Dances- Sushoela Mishra

Recommended Assessment Methods

Recommended Continuous Evaluation Methods:

Maximum Marks: 50 (Per Paper)

Continuous Comprehensive Evaluation (ii) Marks: 5 University Examination (ii) Marks: 45

internal assessment	Class test	5
Continuous Comprehensive Evaluation (CCE) :		
University Examination		45
Total Marks		50

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**B.A. THIRD YEAR
PAPER-FIRST - THEORY**

Program: Degree		Class : B.A. Third Year		Year :	Session :
Subject - Dance (Bharatnatyam)					
1	Code of Course				
2	Title of Course		History of dance & General study		
3	Types of Course : (Core Course Elective/Generic/Elective/Vocational)		Core Course		
4	Course Learning Outcome (CLO)		<p>The knowledge of the course will be through the following points.</p> <ul style="list-style-type: none"> • To be aware of ancient Indian culture. • Ability to write shlokas in Sanskrit • Knowledge of rasa in dance • Introduction to Local Art • Theater Information 		
6	Credit Number		03		
7	Total Marks		50 (Minimum-17)		
8	Number of Lectures		45 Lecturers (15 Periods=01 Credit Number)		
Course	Subject				
1	History of dance	-	1. Rajput period 2. Mughal period 3. British period 4. Dance in Independent India (Modern Period)		
2	Brief knowledge of different classical dance styles	-	1. Mohiniyattam 2. Manipuri 3. Chhau 4. Sattriya		
3	Details of Navras				
4	Information about Indian auditoriums (according to Natyashastra)	-	Triyastra, Chatrastra and Vikrishta auditorium		
5	Lokdharmi Natya Tradition	-	- Loknatya-1. Yakshagana 2. Terukutu 3. Bhavai Folk dance -1. Bhangra 2. Kolattam 3. Sarhul, 4. Raut Nach Folk Songs of Chhattisgarh- Baans (Bamboo) Geet, Bihav Geet		

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**B.A. THIRD YEAR
PAPER-SECOND - THEORY**

Program: Degree		Class : B.A. Third Year		Year :	Session :
Subject - Dance (Bharatnatyam)					
1	Code of Course				
2	Title of Course		Theory of Classical Dance		
3	Types of Course : (Core Course Elective/Generic/Elective/Vocational)		Core Course		
4	Course Learning Outcome (CLO)		<p>The knowledge of the course will be through the following points.</p> <ul style="list-style-type: none"> • General Introduction to the South Indian Taal System. • Knowledge of Natyashastra. • Knowledge of technical terminology 		
6	Credit Number		03		
7	Total Marks		50 (Minimum-17)		
8	Number of Lectures		45 Lecturers (15 Periods=01 Credit Number)		
Course		Subject			
1	Introduction to Tandava and Lasya Dance				
2	Nayak – Nayika distinction				
3	Paad Bhedas-		(1) Chari (2) Sthanak		
4	Brief description of the sequences (margams) of the Bharatanatyam dance styles		- Varnam, Kirtanam, Javali, Tillana, Shlokam		
5	Brief Biography of Senior Dance Artist		- 1. Mrs. Rukmini Arundale 2. Mrs. Bala Saraswati Famous Folk Artists of Chhattisgarh 1. Mr. Jharam Dewangan 2. Shri Devdas Banjare		

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B.A. THIRD YEAR PRACTICAL

Program: Degree	Class : B.A. Third Year	Year :	Session :
Subject - Dance (Bharatnatyam)			
1	Code of Course		
2	Title of Course	Practical	
3	Types of Course : (Core Course Elective/Generic/Elective/Vocational)	Core Course	
4	Course Learning Outcome (CLO)	<p>The knowledge of the course will be through the following points:-</p> <ul style="list-style-type: none"> • Rhythm, and rhythmic operation of various parts of the body • Practice and Demonstration of Adavus • Practice of speaking hand gestures and shlokas • Margam presentation 	
6	Credit Number	04	
7	Viva/ Oral	Viniyogus of rest asamyut hastas (Along with slok) Dashavatar hast	
8	Presentation	Panch Jati (According to Tattametti) Shabdham or Padam Ashpadi or keertanam	
9	Project work	In reference to chhattisgarh	

Recommended Study Resources

Text Books, Reference Books, Other Resources

Recommended Supporting Books/Texts/Other Text Resources/Textual Material:-

1. Vachaspati Gairola - Indian theatrical tradition and acting mirror.
2. Dr. Parudadhich - Bharatnatyam Education Part-1
3. P. Madini Hombal - Global Dance and Drama.
4. Understanding Bharatnatyom-Mrinalini Sarabhai
5. Bharat Narya and Other Dances of Tamil Nadu- E.Krishna Iyer
6. Dr. Paru Dadhich - Kathak Dance Education Part-1 & 2
7. Dr. Chetna Beshkar - Kathak Kalp Drum
8. Dr. Bhagwan Das Marik - Kathak Madhyama.
9. Dr. Jyoti Bakshi - RC of Kathak letters.
10. Babulal Shastri - Narya Shozra
11. The Dances of India - Enakshi Bhavunuri
12. Classical Dances- Sonal Mansingh
13. Invitation to Indian Dances- Susheela Mishra

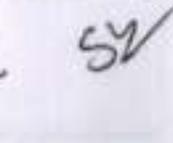
Recommended Assessment Methods

Recommended Continuous Evaluation Methods:

Maximum Marks: 50 (Per Paper)

Continuous Comprehensive Evaluation (ii) Marks: 5 University Examination (ii) Marks: 45

internal assessment	Class test	5
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Continuous Comprehensive Evaluation (CCE) :		
University Examination		45
Total Marks		50

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बी.ए. तृतीय वर्ष

प्रश्न-पत्र : प्रथम-सैद्धांतिक

कार्यक्रम : डिग्री	कक्षा : बी.ए. तृतीय वर्ष	वर्ष :	सत्र :
विषय- कथक नृत्य			
1	पाठ्यक्रम का कोड		
2	पाठ्यक्रम का शीर्षक	नृत्य का इतिहास एवं सामान्य अध्ययन	
3	पाठ्यक्रम का प्रकार : (कोर कोर्स / इलेक्टिव / जेनेरिक / इलेक्टिव / वोकेशनल)	कोर कोर्स	
4	पाठ्यक्रम अध्ययन की परिलब्धियाँ (कोर्स लर्निंग आउटकम) (CLO)	निम्न बिंदुओं के माध्यम से पाठ्यक्रम का ज्ञान होगा। <ul style="list-style-type: none"> • प्राचीन भारतीय संस्कृति से अवगत होना। • रस एवं भाव का ज्ञान। • स्थानीय कला का परिचय। • विभिन्न शास्त्रीय एवं क्षेत्रीय नृत्यों का अध्ययन। 	
5	क्रेडिट अंक	03	
6	कुल अंक	60 (न्यूनतम - 17)	
7	पाठ्यक्रम संख्या	45 व्याख्यान (15 कालखण्ड=01 क्रेडिट अंक)	
पाठ्यक्रम	विषय		
1	नृत्य का इतिहास	-	1. राजपूत काल 2. मुगल काल 3. ब्रिटिश काल 4. स्वतंत्र भारत में नृत्य (आधुनिक काल)
2	रस एवं भाव	-	रस की परिभाषा एवं उसके प्रकार। भाव की परिभाषा एवं उसके प्रकार।
3	विभिन्न शास्त्रीय नृत्य शैलियाँ	-	2. ओडिसी 2. कुचिपुडी 3. मोडिनीअदम 4. सत्रिय
4	संयुक्त हस्तमुद्रा एवं दृष्टिभेद	-	अभिनय दर्पण में वर्णित संयुक्त हस्तमुद्राओं के लक्षण एवं विनियोग। अभिनय दर्पण में वर्णित दृष्टिभेद के लक्षण एवं विनियोग।
5	लोकधर्मी नाट्य परंपरा	-	छत्तीसगढ़ के लोकनृत्य - सैला नृत्य, बांस गीत एवं बिहाव गीत

बी.ए. तृतीय वर्ष

प्रश्न-पत्र : द्वितीय-सैद्धांतिक

कार्यक्रम : डिग्री		कक्षा : बी.ए. तृतीय वर्ष	वर्ष :	सत्र :
विषय - कथक नृत्य				
1	पाठ्यक्रम का कोड			
2	पाठ्यक्रम का शीर्षक	शास्त्रीय नृत्य सिद्धांत		
3	पाठ्यक्रम का प्रकार : (कोर कोर्स / इलेक्टिव / जेनेरिक / इलेक्टिव / बोकेशनल)	कोर कोर्स		
4	पाठ्यक्रम अध्ययन की परित्याख्या (कोर्स लर्निंग आउटकम) (CLO)	निम्न बिंदुओं के माध्यम से पाठ्यक्रम का ज्ञान होगा। <ul style="list-style-type: none"> • तकनीकी शब्दों का ज्ञान • कथक के प्रमुख गुरुओं का योगदान • बंदिशो को लिपिबद्ध करना 		
5	क्रेडिट अंक	03		
6	कुल अंक	50 (न्यूनतम - 17)		
7	पाठ्यक्रम संख्या	45 व्याख्यान (15 कालखण्ड=01 क्रेडिट अंक)		
पाठ्यक्रम	विषय			
1	पारिभाषिक शब्दों का ज्ञान	-	मंगलाचरण, गुरु वन्दना, ठुमरी, नाट्य, नृत्त एवं नृत्य	
2	संक्षिप्त जीवन परिचय एवं योगदान	-	<ul style="list-style-type: none"> • सुन्दर प्रसाद जी • नारायण प्रसाद जी • सितारा देवी जी • फिरतू दास जी • बर्मन लाल जी 	
3	ताल लिपिबद्ध करना	-	<ul style="list-style-type: none"> • धमार के ठेके का ठाह, दुगुन, तिगुन एवं चौगुन लिपिबद्ध करना • रूपक के ठेके का ठाह, दुगुन, तिगुन एवं चौगुन लिपिबद्ध करना • प्रायोगिक पाठ्यक्रम में सीखे गये बोलों को लिपिबद्ध करना। 	
4	नायिका भेद	-	अष्टनायिकाओं का संक्षिप्त अध्ययन।	
5	नायक भेद	-	चार प्रकार के नायकों का संक्षिप्त अध्ययन।	

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बी.ए. तृतीय वर्ष

प्रश्न-पत्र : प्रयोगिक

कार्यक्रम : डिग्री		कक्षा : बी.ए. तृतीय वर्ष	वर्ष :	सत्र :
विषय- कथक नृत्य				
1	पाठ्यक्रम का कोड			
2	पाठ्यक्रम का शीर्षक	प्रायोगिक		
3	पाठ्यक्रम का प्रकार : (कोर कोर्स/इलेक्टिव/जेनेरिक/इलेक्टिव/योकेशनल)	कोर कोर्स		
4	पाठ्यक्रम अध्यायन की परिलक्षित्यो (कोर्स लर्निंग आउटकम) (CLO)	निम्न बिंदुओं के माध्यम से पाठ्यक्रम का ज्ञान होगा। <ul style="list-style-type: none"> • हस्तमुद्राओं एवं श्लोकों को बोलने का अभ्यास • शरीर के विभिन्न अवयवों का ताल एवं लयात्मक संचालन • धमर एवं रूपक में आरम्भिक बंदिशों का अभ्यास 		
5	क्रेडिट अंक	04 (60 कालखण्ड)		
6	कुल अंक	50 (न्यूनतम - 17)		

पाठ्यक्रम	विषय
1	विष्णु अधिका शिव हन्दना से संबंधित श्लोक पर भाव प्रदर्शन।
2	तीनतास में निम्नलिखित अनुसार नृत्य प्रदर्शन की क्षमता - विछले पाठ्यक्रम की पुनरावृत्ति के साथ - भाट, एक आमद, एक परन, एक चक्करदार लोहा, एक चक्करदार परन, एक कवित्त, प्रिमलू एवं तत्कार के प्रकार।
3	चूँचट एवं विन्दिया के गतिनिकास का प्रदर्शन।
4	धमर वा रूपक में निम्नानुसार नृत्य करने का अभ्यास - एक आमद, दो लोहे/टुकड़े, एक सादा परन एवं तत्कार का प्रारम्भिक अभ्यास।
5	धमर एवं रूपक के ठंके का लह एवं दुगुन में पढ़ना करने का अभ्यास।
6	अभिनय दर्पण के अनुसार संयुक्त हस्त मुद्राओं का प्रायोगिक प्रदर्शन।
7	तुमरी और भजन में भावप्रदर्शन की क्षमता।
8	प्रोजेक्ट कार्य - छत्तीसगढ़ के संदर्भ में।

अनुशंसित अध्यायन संसाधन

पाठ्य पुस्तकें, संदर्भ पुस्तकें, अन्य संसाधन

1. नाट्य शास्त्र - बाबुलाल शास्त्री
2. Abhinay Darpan - Dr Mahimohan Ghosh
3. Classical Dances - Social Meaning
4. भारतीय संस्कृति में कथक परम्परा - डॉ० मधुश्री शिंदे
5. कथक जगती की आरसी - डॉ० ज्योति बकशी
6. कथक नर्तन भाग 1 - डॉ० विधि नागर
7. कथक नर्तन भाग 2 - डॉ० विधि नागर
8. Understanding Bharatanatyam - Mrinalini Sarabhai

अनुशंसित मूल्यांकन विधियाँ

अनुशंसित सतत मूल्यांकन विधियाँ:		
अधिकतम अंक : 50 (प्रति प्रश्नपत्र)		
सतत व्यापक मूल्यांकन (CCE) अंक : 5 विश्वविद्यालय परीक्षा (ETE) अंक : 45		
आंतरिक मूल्यांकन	कक्षास टेस्ट	5
सतत व्यापक मूल्यांकन (CCE):		45
विश्वविद्यालयीन परीक्षा :		50
कुल अंक		50

BA FIRST YEAR
PAPER: FIRST- THEORY

Section A – Introduction			
Programme: Certificate	Class: BA First Year	Year	Session
Subject: Kathak Dance			
1	Course Code		
2	Course Title	History of Dance & General Study	
3	Course Type (Core Course/Elective/Generic Elective/Vocational)	Core Course	
4	Pre – requisite (if any)	10+2 in any discipline	
5	Course Learning Outcome (CLO)	<p>Kathak Dance is an integral part of cultural tradition of India. This ancient dance form has flourished in the courtyard of the temples, which prospered under the patronage of kings & kingdoms and is established throughout the world. This course will make the students aware of Indian Culture. There will be physical, mental & intellectual development of the students. The knowledge of the syllabus will be through the following points: -</p> <ul style="list-style-type: none"> • Benefits from Dance • Knowledge about technical terms. • Contribution of Major Gurus of Kathak. • Notation of the Taal. • Knowledge of regional dances. 	
6	Credit Value	03	
7	Total Marks	Maximum Marks: 50 Minimum Passing Marks: 17	
8	Total Number of lectures	45 Lecture (15 Lectures = 01 Credit Value)	
Course	Subject		
1	History of Dance & Origin of Kathak Dance	-	Status of dance during Sindhu civilization, Vedic period, Ramayan & Mahabharat period. Origin of Kathak Dance & its brief history.
2	On the basis of Puranas	-	Dance related stories of Uma Shankar & Natwar Shri Krishna-Mohini Bhasmasur, Makhan Leela, Kalia Daman, Govardhan Leela.
3	Story of Naatyotpatti	-	Described in "Natyashastra" of Bharat Muni.
4	Knowledge of 'Laya' & 'Taal'	-	Types of Laya- Vilambit Laya, Madhya Laya & Drut Laya. Definition & Description of Taal.
5	Lokadbarmi Natya Parampara	-	Brief description of the following: <ul style="list-style-type: none"> • Ramleela • Raasleela • Naacha • Pandwani



Signature

BA FIRST YEAR
PAPER: SECOND- THEORY

Section A – Introduction			
Programme: Certificate	Class: BA First Year	Year	Session
Subject: Kathak Dance			
1	Course Code		
2	Course Title	Classical Dance Theory	
3	Course Type (Core Course/Elective/Generic Elective/Vocational)	Core Course	
4	Pre – requisite (if any)	10+2 in any discipline	
5	Course Learning Outcome (CLO)	<p>Kathak Dance is an integral part of cultural tradition of India. This ancient dance form has flourished in the courtyard of the temples, which prospered under the patronage of kings & kingdoms and is established throughout the world. This course will make the students aware of Indian Culture. There will be physical, mental & intellectual development of the students. The knowledge of the syllabus will be through the following points: -</p> <ul style="list-style-type: none"> • Benefits from Dance • Knowledge about technical terms. • Contribution of Major Gurus of Kathak. • Notation of the Taal. • Knowledge of regional dances. 	
6	Credit Value	03	
7	Total Marks	Maximum Marks: 50 Minimum Passing Marks: 17	
8	Total Number of lectures	45 Lecture (15 Lectures = 01 Credit Value)	
Course	Subject		
1	Physical & Mental benefits from the practice of dance.		
2	Knowledge of terminology	-	TAALI, KHAALI, SAM, VIBHAAG, THEKA, AAWARTAN, AAMAD, TODA, CHAKKARDAR TODA, KAVITTA, TIHAI, TATKAR
3	Brief life sketch & contribution	-	Pt. Bindadin Maharaj Pt. Jaylal ji Maharaj Raja Chakradhar Singh
4	Notation	-	Notation of Thah, Dugun, Tigun & Chaugun of the Theka of Teentaal. Notation of Thah, Dugun, Tigun & Chaugun of the Theka of Jhaptaal.
5	General introduction of Chhattisgarhi Dances	-	Karna, Dadariya, Sua.



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BA FIRST YEAR

PAPER: PRACTICAL

Programme: Certificate		Class: BA First Year	Year	Session
Subject: Kathak Dance				
1	Course Code			
2	Course Title		Practical	
3	Course Type (Core Course/Elective/Generic Elective/Vocational)		Core Course	
4	Pre – requisite (if any)		10+2 in any discipline	
5	Course Learning Outcome (CLO)		<p>Kathak Dance is an integral part of cultural tradition of India. This ancient dance form has flourished in the courtyard of the temples, which prospered under the patronage of kings & kingdoms and is established throughout the world. This course will make the students aware of Indian Culture. There will be physical, mental & intellectual development of the students. The knowledge of the syllabus will be through the following points: -</p> <ul style="list-style-type: none"> • Physical exercises & rhythmical movements to make the body shapely. • Practice of Tatkar & Hand movements. • Practice of basic composition in Teentaal. 	
6	Credit Value		04 (60 Period)	
7	Total Marks		Maximum Marks: 50 Minimum Passing Marks: 17	
Course		Subject		
1	Practice of various hand movement with Tatkar.			
2	Practice of dance in Teentaal as follows: - One Aamad, Four Toda/Tukde, One Sada parva, One Chakkardar Toda, Two Tibats, One kavita & basic practice of Tatkar.			
3	Practice of dance in Jhaptaal as follows: - One Aamad, Two Toda/Tukde, One Sada parva & basic practice of Tatkar.			
4	Practice of Recitation of Taak, Dugun & Chaugun of the theka of teentaal.			
5	Practice of Recitation of Taak, Dugun & Chaugun of the theka of jhaptaal.			
6	Practical demonstration of Greeva band according to 'Abhinay Darpan'			
7	Practical demonstration of first 15 single hand gestures according to 'Abhinay Darpan'			
8	Project work: Major folk dances of Chhattisgarh.			
Recommended Study Resources				
Course books, Reference books & other resources				
1. गद्य साहित्य - सत्यनारायण शारदा 2. Abhinay Darpan - Dr Manmohan Ghosh 3. Classical Dances - Jyoti Basu 4. भारतीय संस्कृति में अन्तर्गत संस्कृत - डॉ. जयशंकर प्रसाद 5. अन्तर्गत संस्कृत की उत्पत्ति - डॉ. जयशंकर प्रसाद 6. अन्तर्गत संस्कृत भाग 1 - डॉ. जयशंकर प्रसाद 7. अन्तर्गत संस्कृत भाग 2 - डॉ. जयशंकर प्रसाद 8. Understanding Bharatnatyam - Mrinalini Sarabhai				
Evaluation Methodologies				
Type	Marks Allotted			
Class Test (Internal Assessment)	05 marks			
University Examination	45 marks			
Total	50 marks			





B.A. SECOND YEAR
PAPER: FIRST- THEORY

Programme: Diploma		Class: BA Second Year		Year	Session
Subject: Kathak Dance					
1	Course Code				
2	Course Title		History of Dance & General Study		
3	Course Type (Core Course/Elective/Generic Elective/Vocational)		Core Course		
4	Course Learning Outcome (CLO)		<p>The knowledge of the syllabus will be through the following points: -</p> <ul style="list-style-type: none"> • Getting acquainted with the ancient Indian tradition. • Study of 'ABHINAYA'. • Study of classical and regional dances. 		
5	Credit Value		03		
6	Total Marks		Maximum Marks: 50 Minimum Passing Marks: 17		
7	Total Number of lectures		45 Lecture (15 Lectures = 01 Credit Value)		
Course	Subject				
1	Medieval History of Dance	-	History of Dance from Panini period to Gupta period.		
2	ABHINAYA	-	Definition of ABHINAY & its types.		
3	Classical dance styles	-	1.Kathak 2. Bharatnatyam 3. Kathakali 4. Manipuri		
4	Single hand gestures & Shirobheda	-	'Lakshan' & 'Viniyog' of single hand gestures described in the ABHINAYA DARPAN. 'Lakshan' & 'Viniyog' of 'Shirobheda' described in the ABHINAYA DARPAN.		
5	Folk drama tradition	-	Chhattisgarhi folk drama tradition- Rahas Chhattisgarhi folk dance- Panthi, Rautmaacha		



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B.A. SECOND YEAR
PAPER: SECOND- THEORY

Programme: Diploma		Class: BA Second Year		Year	Session
Subject : Kathak Dance					
1	Course Code				
2	Course Title		Classical Dance Theory		
3	Course Type (Core Course/Elective/Generic Elective/Vocational)		Core Course		
4	Course Learning Outcome (CLO)		The knowledge of the syllabus will be through the following points: - <ul style="list-style-type: none"> • Study of terminology. • Contribution of Major Gurus of Kathak. • Notation of the compositions. 		
5	Credit Value		03		
6	Total Marks		Maximum Marks: 50 Minimum Passing Marks: 17		
7	Total Number of lectures		45 Lecture (15 Lectures = 01 Credit Value)		
Course		Subject			
1	Study of terminology	–	Paran, Tukda, Gatnikas, Gathbhav, Tandav & Lasya.		
2	Interrelationship of dance & fine arts. Place of literature in dance.				
3	Brief life sketch & contribution	–	<ul style="list-style-type: none"> • Achchan Maharaj • Lachchu Maharaj • Shambhu Maharaj • Kartik Ram Ji • Kalyan Das Ji 		
4	Notation of Taal & Compositions	–	<ul style="list-style-type: none"> • Notation of Thah, Dugun, Tigun & Chaugun of the Theka of Ektaal. • Notation of Thah, Dugun, Tigun & Chaugun of the Theka of Chautaal. • Notation of the compositions learned in the practical course. 		
5.	Study of essential elements of Kathak dance performance.				

B.A. SECOND YEAR

PAPER: PRACTICAL

Programme: Diploma		Class: BA Second Year	Year	Session
Subject: Kathak Dance				
1	Course Code			
2	Course Title		Practical	
3	Course Type (Core Course/Elective/Generic Elective/Vocational)		Core Course	
4	Course Learning Outcome (CLO)		<p>The knowledge of the syllabus will be through the following points: -</p> <ul style="list-style-type: none"> • Practice of recitation of Hand gestures & Shlokas. • The movement of various parts of body according to Taal & Laya. • Practice of basic compositions in Ektaal & Chautaal. 	
5	Credit Value		04 (60 Period)	
6	Total Marks		Maximum Marks: 50 Minimum Passing Marks: 17	
Course	Subject			
1	Abhinaya on shloka related to Krishna Vandana.			
2	Ability to perform dance in Teentaal as follows:- along with the revision of last year's course- One Aamad, one paran, one chakkardar toda, one chakkardar paran, one kavitta, tistra jaanti toda or paran & types of tatkar.			
3	Presentation of 'Chhoot' ki gat & 'Murli' ki gat.			
4	Ability to perform dance in Ektaal or Chautaal as follows:- One aamad, two tode/tukde, one sada paran & basic practice of tatkar.			
5	Recitation of 'Taah' & 'Dugun' of the theka of Ektaal & Chautaal.			
6	Practical demonstration of single hand gestures according to ABHINAYA DARPAN.			
7	Ability to perform on Thumri or Bhajan.			
8	Project work - Major festivals of Chhattisgarh.			
Recommended Study Resources				
Course books, Reference books & other resources				
1. नाट्य दर्पण - सद्गुरुजी शारदा 2. Abhinay Darpan - Dr Manmohan Ghosh 3. Classical Dance - Smta Man Singh 4. भारतीय संस्कृति में अनाक परम्परा - डॉ० मन्मथी सिंह 5. अनाक आरती की आरती - डॉ० ज्योति बसनी 6. अनाक नर्तन भाग 1 - डॉ० विधि भागवत 7. अनाक नर्तन भाग 2 - डॉ० विधि भागवत 8. Understanding Bharatnatyam - Mritanjali Sureshbabai				
Evaluation Methodologies				
Type	Marks Allotted			
Class Test (Internal Assessment)	85 marks			
University Examination	45 marks			
Total	50 marks			





B.A. THIRD YEAR
PAPER: FIRST- THEORY

Programme: Degree		Class: BA Third Year		Year	Session
Subject: Kathak Dance					
1	Course Code				
2	Course Title		History of Dance & General Study		
3	Course Type (Core Course/Elective/Generic Elective/Vocational)		Core Course		
4	Course Learning Outcome (CLO)		<p>The knowledge of the syllabus will be through the following points: -</p> <ul style="list-style-type: none"> • Getting acquainted with the ancient Indian culture. • Knowledge of 'Rasa' & 'Bhava'. • Introduction of regional arts. • Study of classical & regional dances. 		
5	Credit Value		03		
6	Total Marks		Maximum Marks: 50 Minimum Passing Marks: 17		
7	Total Number of lectures		45 Lecture (15 Lectures = 01 Credit Value)		
Course		Subject			
1	History of Dance	-	Dance during Rajput period, Mughal period, British period, Independent India (Modern period)		
2	'Rasa' & 'Bhava'	-	Definition of Rasa & its types. Definition of Bhava & its types. Classical Dance styles		
3	Classical Dance styles	-	1. Odissi 2. Kuchipudi 3. Mohiniattam 4. Satriya		
4	Double hand gestures & 'Drishtibheda'	-	'Lakshan' & 'Viniyog' of double hand gestures described in the ABHINAYA DARPAN. 'Lakshan' & 'Viniyog' of 'Drishtibheda' described in the ABHINAYA DARPAN.		
5	Folk drama tradition	-	Folk dances of Chhattisgarh- Saila dance, Buans & Bihaav Geet		



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B.A. THIRD YEAR
PAPER: SECOND- THEORY

Programme: Degree		Class: BA Third Year	Year	Session
Subject: Kathak Dance				
1	Course Code			
2	Course Title		Classical Dance Theory	
3	Course Type (Core Course/Elective/Generic Elective/Vocational)		Core Course	
4	Course Learning Outcome (CLO)		The knowledge of the syllabus will be through the following points: - <ul style="list-style-type: none"> • Knowledge of terminology. • Contribution of Major Gurus of Kathak. • Notation of the compositions. 	
5	Credit Value		03	
6	Total Marks		Maximum Marks: 50 Minimum Passing Marks: 17	
7	Total Number of lectures		45 Lecture (15 Lectures = 01 Credit Value)	

Course	Subject		
1	Study of terminology	-	Manglacharan, Guru Vandana, Thumri, Naaty, Nritta & Nritya
2	Brief life sketch & contribution	-	<ul style="list-style-type: none"> • Sundar Prasad Ji • Narayan Prasad Ji • Sitara Devi Ji • Firtu Das Ji • Barman Lal Ji
3	Notation of the Taal & compositions	-	<ul style="list-style-type: none"> • Notation of Thah, Dugun, Tigun & Chaugun of the Theka of Dhamar. • Notation of Thah, Dugun, Tigun & Chaugun of the Theka of Rupak. • Notation of the compositions learned in the practical course.
4	Naika Bbed	-	Brief study of Ashtnaika
5	Nayak Bbed	-	Brief study of 4 types of Nayak

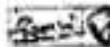


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B.A. THIRD YEAR

PAPER: PRACTICAL

Programme: Degree		Class: BA Third Year	Year	Session
Subject: Kathak Dance				
1	Course Code			
2	Course Title		Practical	
3	Course Type (Core Course/Elective/Generic Elective/Vocational)		Core Course	
4	Course Learning Outcome (CLO)		<p>The knowledge of the syllabus will be through the following points: -</p> <ul style="list-style-type: none"> • Practice of recitation of hand gestures & Shlokas. • The movement of various parts of body according to Taal & Laya. • Practice of basic compositions in Dhamar & Rupak. 	
5	Credit Value		04 (60 Period)	
6	Total Marks		Maximum Marks: 50 Minimum Passing Marks: 17	
Course		Subject		
1	Abhinaya on shloka related to Shiv or Vishnu vandana.			
2	Ability to perform dance in Teentaal as follows:- along with the revision of last year's course- Thaak, one Aamad, one puran, one chakkardar toda, one chakkardar paran, one kavitta, primalu & types of tatkar.			
3	Gatnikas of 'Ghoonghat' & 'Bindiya'.			
4	Practice of dance in Dhamar or Rupak as follows- One aamad, two tode/tukde, one sada paran & basic practice of tatkar.			
5	Recitation of theka of 'Dhamar' & 'Rupak' in thaak & dugun. Practical demonstration of double hand gestures according to ABHINAYA DARPAN.			
6	Practical demonstration of double hand gestures according to ABHINAYA DARPAN.			
7	Ability to perform on Thumri or Bhajan.			
8	Project work - In the reference of Chhattisgarh.			
Recommended Study Resources				
Course books, Reference books & other resources				
1. नाट्य शास्त्र - बालकृष्ण शास्त्री 2. Abhinaya Darpan - Dr Manmohan Ghosh 3. Classical Dances - Seetal Menon 4. भारतीय नर्तकृति के अन्तर्गत परम्परा - डॉ० सारंगदी सिन्हा 5. अन्तर्गत अन्तरी की आरती - डॉ० जयदीपि रजनी 6. अन्तर्गत नर्तन भाग 1 - डॉ० विमि नाथ 7. अन्तर्गत नर्तन भाग 2 - डॉ० विमि नाथ 8. Understanding Bharatnatyam - Mitalini Sureshbab				
Evaluation Methodologies				
Type		Marks Allotted		
Class Test (Internal Assessment)		05 marks		
University Examination		45 marks		
Total		50 marks		





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स्नातक पाठ्यक्रम के तहत - ड्राईंग और पेंटिंग
पेपर - I (सिद्धांत)

कार्यक्रम : डिग्री	कक्षा - बी0 ए0	वर्ष - तृतीय	सत्र : 2022-23
विशय - ड्राईंग और पेंटिंग			
1	विशय क्रमांक		
2	विशय भीर्शक	भारतीय चित्रकला का इतिहास (Paper I)	
3	पाठ्यक्रम का प्रकार (मुख्य पाठ्यक्रम / वैकल्पिक / सामान्य ऐच्छिक / वोकेशनल.....)	मूल पाठ्यक्रम	
4	पूर्व-आवश्यकता (यदि कोई हो)	डिप्लोमा कोर्स (बी0 ए0 द्वितीय वर्ष)	
5	कोर्स लर्निंग आउटकम (सीएलओ)	छात्र बंगाल स्कूल से आधुनिक युग तक भारतीय चित्रकला के इतिहास और विकास के बारे में और इसमें आधुनिक चित्रकारों के चित्रों का अध्ययन शामिल है।	
6	क्रेडिट मूल्य	2	
7	कुल अंक	Max. Marks: 50	Min. Passing Marks: 17
व्याख्यानों की कुल संख्या- ट्यूटोरियल- प्रैक्टिकल (प्रति सप्ताह घंटों में) : L-T-P: 2-0-0			
इकाई	भीर्शक	व्याख्यान की संख्या (Total: 30)	
I	बंगाल स्कूल के कलाकार: 1. अवनीन्द्रनाथ 2. रवींद्र नाथ टैगोर। 3. गगनेंद्र नाथ 4- नंदलाल बोस।		
II	चित्रकला का आधुनिक युग : 1. राजा रवि वर्मा 2. अमृता शेरगिल 3. यामिनी राय		
III	प्रगतिशील कलाकारों का समूह: 1. एफ.एन. सूजा 2. एम.एफ. हुसैन 3. श्री। रजा		

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IV	आधुनिक समय के चित्रकार: 1. एन.एस. बेंद्रे 2. के.के. हेब्बर 3. जे. स्वामीनाथनी	
V	छत्तीसगढ़ की कला और कलाकारों का योगदान समकालीन भारतीय कला।	

सुझाए गए रीडिंग :

- प्रगतिशील क्रांति: एक नए भारत के लिए कला, बून हुई टैन और जेहरा जुमाभोय द्वारा।
- रवींद्रनाथ टैगोर द्वारा टैगोर की कला।
- श्याम बिहारी अग्रवाल द्वारा भारतीय चित्रकला का इतिहास।
- अनूप कुमार चंडी द्वारा छत्तीसगढ़ की समकालीन कला

मूल्यांकन पद्धति

प्रकार	आवंटित अंक
कक्षा परीक्षण (आंतरिक मूल्यांकन)	05 Marks
विश्वविद्यालय परीक्षा (अवधि: 3 घंटे)	45 Marks
कुल	50 Marks

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**स्नातक पाठ्यक्रम के तहत - ड्राईंग और पेंटिंग
पेपर - I (प्रायोगिक)**

कार्यक्रम : डिग्री	कक्षा - बी0 ए0	वर्ष - द्वितीय	सत्र : 2022-23
विशय - ड्राईंग और पेंटिंग			
1	विशय क्रमांक		
2	विशय भीर्शक	Study of Miniature painting (पेपर - I)	
3	पाठ्यक्रम का प्रकार (मुख्य पाठ्यक्रम / वैकल्पिक / सामान्य ऐच्छिक / वोकेशनल.....)	मूल पाठ्यक्रम	
4	पूर्व-आवश्यकता (यदि कोई हो)	डिप्लोमा (बी0 ए0 द्वितीय वर्ष)	
5	कोर्स लर्निंग आउटकम (सीएलओ)	छात्रों को पारंपरिक भारतीय चित्रकला के विभिन्न चित्र शैलियों से अवगत कराया जाना चाहिए। मुगल, राजस्थानी और पहाड़ी शैली के चित्रों से देश में मौजूद भारतीय लघु चित्रकला शैली के विभिन्न रूपों का अध्ययन और समझ।	
6	क्रेडिट मूल्य	4	
7	कुल अंक	Max. Marks: 50	Min. Passing Marks: 17
व्याख्यानों की कुल संख्या- ट्यूटोरियल- प्रैक्टिकल (प्रति सप्ताह घंटों में) : L-T-P: 0-0-4			
इकाई	भीर्शक	व्याख्यान की संख्या (Total: 60)	
I	भारतीय लघु चित्रों की मुगल शैली।		
II	भारतीय लघु चित्रों की राजस्थानी शैली		
III	भारतीय लघु चित्रों की पहाड़ी शैली।		
सुझाए गए रीडिंग :			
<ul style="list-style-type: none"> • जे.एम. रोजर्स द्वारा मुगल लघुचित्र (पूर्वी कला श्रृंखला)। • राजस्थानी मिनिएचर: द मैजिक ऑफ स्ट्रोक्स एंड कलर्स दलजीत द्वारा। • ओंकार राही द्वारा पहाड़ी लघु चित्रकला का विकास और परंपरा। 			

- ललित कला अकादमी, नई दिल्ली द्वारा प्रकाशन

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मूल्यांकन पद्धति	
प्रकार	आबंटित अंक
आंतरिक मूल्यांकन (सत्रीय कार्य और अभ्यास रिकॉर्ड फाइल)	10 Marks
विश्वविद्यालय परीक्षा: <ul style="list-style-type: none"> • समय: 4 घंटे • पेपर साईज : 1/2 IMP. • माध्यम - जल रंग, पोस्टर रंग और प्राकृतिक पृथ्वी का रंग 	40 Marks
कुल	50 Marks

नोट - आईएमपी आकार के न्यूनतम पांच कार्यों को प्रैक्टिस रिकॉर्ड फाइल के रूप में जमा करने की आवश्यकता है।

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स्नातक पाठ्यक्रम के तहत - ड्राईंग और पेंटिंग
पेपर - II (प्रायोगिक)

कार्यक्रम : डिग्री	कक्षा - बी0 ए0	वर्ष - तृतीय	सत्र : 2022-23
विशय - ड्राईंग और पेंटिंग			
1	विशय क्रमांक		
2	विशय भीर्शक	क्रियेटिव कम्पोजि इन (पेपर - II)	
3	पाठ्यक्रम का प्रकार (मुख्य पाठ्यक्रम/वैकल्पिक/सामान्य ऐच्छिक/वोकेशनल.....)	मूल पाठ्यक्रम	
4	पूर्व-आवश्यकता (यदि कोई हो)	डिप्लोमा (बी0 ए0 द्वितीय वर्ष)	
5	कोर्स लर्निंग आउटकम (सीएलओ)	किसी भी मीडिया में रचनात्मक पेंटिंग (मूल कार्य), रचनाएं (विषयगत, सार का विषय), समकालीन पेंटिंग और सौंदर्य सिद्धांतों के विभिन्न चरणों की खोज और एक विशिष्ट और व्यक्तिगत शैली विकसित करें।	
6	क्रेडिट मूल्य	4	
7	कुल अंक	Max. Marks: 50	Min. Passing Marks: 17
व्याख्यानों की कुल संख्या- ट्यूटोरियल- प्रैक्टिकल (प्रति सप्ताह घंटों में) : L-T-P: 0-0-4			
इकाई	भीर्शक	व्याख्यान की संख्या (Total: 60)	
I	व्यक्तिगत और मूल कार्य की संरचना।		
II	पेंटिंग और सौंदर्य सिद्धांतों का विकास		
III	एक विशिष्ट और व्यक्तिगत शैली का विकास।		
सुझाए गए रीडिंग :			
<ul style="list-style-type: none"> पेंटिंग एब्स्ट्रैक्ट्स: रोलीना वैन ब्लियट द्वारा विचार, परियोजनाएं और तकनीकें। 			
मूल्यांकन पद्धति			
प्रकार		आबंटित अंक	

आंतरिक मूल्यांकन (सत्रीय कार्य और अभ्यास रिकॉर्ड फाइल)	10 Marks
विश्वविद्यालय परीक्षा: • समय: 4 घंटे • पेपर साईज : 1/2 IMP. • माध्यम - वाटर कलर, पोस्टर कलर, एकेलिक कलर और मिक्स्ड मीडिया	40 Marks
कुल	50 Marks

नोट - फुल आईएमपी आकार के न्यूनतम पांच कार्यों को प्रैक्टिस रिकॉर्ड फाइल के रूप में जमा करने की आवश्यकता है।

**Under Graduate Course - Drawing & Painting
Paper – I (Theory)**

Program: Certificate	Class: B.A.	Year: First	Session: 2022-23
Subject: Drawing & Painting			
1.	Course Code		
2.	Course Title	Fundamentals of Art (Paper I)	
3.	Course Type (Core Course/ Elective/ Generic Elective/ Vocational...)	Core Course	
4.	Pre-requisite (if any)	10+2 in any discipline	
5.	Course Learning Outcome (CLO)	Students get information about the principle of art. The art language is based on the concepts called the "ELEMENTS and PRINCIPLES of Art". Introduction to the basic 6 elements of art i.e., Line, Shape, Color, Texture, Value.	
6.	Credit Value	2	
7.	Total Marks	Max. Marks: 50	Min. Passing Marks: 17
Total No. of Lectures- Tutorials- Practical (in hours per week): L-T-P: 2-0-0			
Unit	Topics	No. of Lectures (Total: 30)	
I.	Definition of Art and Classification of Art.		
II.	Shadanga: The Six Limbs of Indian Art and Painting.		
III.	Elements of Art: Line, Shape, Color, Tone, Texture, Space.		
IV.	Forms of Sculpture existing in Chhattisgarh: a) Gadhva Shilp of Bastar. b) Metal Casting: Prevalent amongst Malar caste of Sarguja Region. c) Metal Casting: Prevalent amongst Jhara caste of Raigarh region.		

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- Suggested Readings:**
- Art Fundamentals: Color, Light, Composition, Anatomy, Perspective and Depth: Total 3 publications.
 - Light for Visual Artists: Understanding and Using Visual light in Art and Design by Richard Yot.
 - Colour and Light: A Guide for the Realist Painter by James Gurney.
 - ChaumasaPatrika.

Evaluation Methodology:

Type	Marks Allotted
Class Test (Internal Assessment)	05 Marks
University Examination	45 Marks
Total	50 Marks



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**Under Graduate Course - Drawing & Painting
Paper – I (Practical)**

Program: Certificate	Class: B.A.	Year: First	Session: 2022-23
Subject: Drawing & Painting			
1.	Course Code		
2.	Course Title	Still Life (Paper I)	
3.	Course Type (Core Course/ Elective/ Generic Elective/ Vocational...)	Core Course	
4.	Pre-requisite (if any)	10+2 in any discipline	
5.	Course Learning Outcome (CLO)	The goal is to draw or paint objects as accurately the still life as possible. Find relationships between objects and study the shape of an object, where the light falls and reflects the shadow, in relation to other subjects. To develop a sense of structure study from any kind of form for eg: Sphere, Cube etc.	
6.	Credit Value	4	
7.	Total Marks	Max. Marks: 50	Min. Passing Marks: 17
Total No. of Lectures- Tutorials- Practical (in hours per week): L-T-P: 0-0-4			
Unit	Topics	No. of Lectures (Total: 60)	
I.	Sketching of objects through various medium like pencil, pen and ink.		
II.	Still life drawing through various medium like charcoal pencil, colored pencil etc., and its usage in drawing of objects.		
III.	Color Theory i.e. Color System (RGB, CMYK etc.), Color Wheel and Color Dimension.		
IV.	Drawing and Sketching in 2D.		

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Suggested Readings:	
<ul style="list-style-type: none"> • Hayashi Studio (1994), Water Color Rendering, Graphic-Sha Publishing Co. Ltd. • Fisner E. (2006), Color Studies, NYUSA, Fairchild Publication. • Still Life Painting, Richmond. 	
Evaluation Methodology	
Type	Marks Allotted
Internal Assessment (Sessional Work and Practice Record File)	10 Marks
University Examination: <ul style="list-style-type: none"> • Time: 4 hours. • Paper size: ¼ IMP. • Medium: Water Color. 	40 Marks
Total	50 Marks

Note: Minimum five works of ¼ IMP size needs to be submitted as Practice Record File.



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**Under Graduate Course - Drawing & Painting
Paper-II (Practical)**

Program: Certificate	Class: B.A.	Year: First	Session: 2022-23
Subject: Drawing & Painting			
1.	Course Code		
2.	Course Title	Basic Design (Paper II)	
3.	Course Type (Core Course/ Elective/ Generic Elective/ Vocational...)	Core Course	
4.	Pre-requisite (if any)	10+2 in any discipline	
5.	Course Learning Outcome (CLO)	The aim of this course is to understand how basic design is developed using elements of nature i.e. flower, leaves, animals etc., and geometric patterns like sphere, circle, triangle etc. To inculcate and develop the basic skills of designing.	
6.	Credit Value	4	
7.	Total Marks	Max. Marks: 50	Min. Passing Marks: 17
Total No. of Lectures- Tutorials- Practical (in hours per week): L-T-P: 0-0-4			
Unit	Topics	No. of Lectures (Total: 60)	
I.	Sketching of objects through various medium like pencil, pen and ink.		
II.	Still life drawing through various medium like charcoal pencil, colored pencil etc., and its usage in drawing of objects.		
III.	Color Theory i.e. Color System (RGB, CMYK etc.), Color Wheel and Color Dimension.		
IV.	Drawing and Sketching in 2D.		
Suggested Readings:			

- Hayashi Studio (1994), Water Color Rendering, Graphic-Sha Publishing Co. Ltd.
- Fisner E. (2006), Color Studies, NYUSA, Fairchild Publication.
- Still Life Painting, Richmond.

Evaluation Methodology:

Type	Marks Allotted
Internal Assessment (Sessional Work and Practice Record File)	10 Marks
University Examination: <ul style="list-style-type: none"> • Time: 4 hours. • Paper size: ¼ IMP. • Medium: Water Color. 	40 Marks
Total	50 Marks

Note: Minimum five works of ¼ IMP size needs to be submitted as Practice Record File.



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**Under Graduate Course - Drawing & Painting
Paper – I (Theory)**

Program: Diploma	Class: B.A.	Year: Second	Session: 2022-23
Subject: Drawing & Painting			
1.	Course Code		
2.	Course Title	History of Indian Painting (Paper I)	
3.	Course Type (Core Course/ Elective/ Generic Elective/ Vocational...)	Core Course	
4.	Pre-requisite (if any)	Certificate Course (B.A. 1 st Year)	
5.	Course Learning Outcome (CLO)	Students learn about the history and development of Indian painting starting from Pre-Historic period to Proto-Historic and, upto Middle Age period, including Rajasthani and Pahadi style of painting.	
6.	Credit Value	2	
7.	Total Marks	Max. Marks: 50	Min. Passing Marks: 17
Total No. of Lectures- Tutorials- Practical (in hours per week): L-T-P: 2-0-0			
Unit	Topics	No. of Lectures (Total: 30)	
I.	Pre-historic period of Painting: a) Mirzapur (U.P.) b) Shinghanpur c) Hoshangabad (M.P.) d) Bhimbetka (M.P.)		
II.	Proto-historic period of Painting: a) Jogimara Cave b) Bagh Cave		

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	c) Ajanta Cave	
III.	Middle Age period of Painting: a) Rajasthani (Mewar, Kishangarh, and Bundi Style) b) Mughal Style (during the reigns of Akbar, Jahangir and Shahjahan)	
IV.	Pahadi Style of Painting: a) Basohli b) Kangara c) Chamba	
V.	Tribal Wall and Folk Art of Chhattisgarh: a) Rajwar Painting (Sonabai, Panditram). b) Muriya c) Mariya d) Pahari Korwa	

Suggested Readings:

- Bharatiya Kala ka Itihaas, by Shyam Bihari Aggrawal.
- Bharatiya Chitra Kala ka Vikaas, by C.L. Jha.
- Kala Vilas, by R.A. Aghrawal.

Evaluation Methodology

Type	Marks Allotted
Class Test (Internal Assessment)	05 Marks
University Examination (Duration: 3 hours)	45 Marks
Total	50 Marks



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**Under Graduate Course - Drawing & Painting
Paper – I (Practical)**

Program: Diploma	Class: B.A.	Year: Second	Session: 2022-23
Subject: Drawing & Painting			
1.	Course Code		
2.	Course Title	Head Study (Paper I)	
3.	Course Type (Core Course/ Elective/ Generic Elective/ Vocational...)	Core Course	
4.	Pre-requisite (if any)	Certificate Course (B.A. 1 st Year)	
5.	Course Learning Outcome (CLO)	Focus on various aspects and techniques of drawing through exercises based on life study from still model. Head Study and its rendering as well as the construction of skull from different angles.	
6.	Credit Value	4	
7.	Total Marks	Max. Marks: 50	Min. Passing Marks: 17
Total No. of Lectures- Tutorials- Practical (in hours per week): L-T-P: 0-0-4			
Unit	Topics	No. of Lectures (Total: 60)	
I.	Study head through still model vide various medium like pencil, pen and ink.		
II.	Construction of skull through various medium like charcoal pencil etc.		
<u>Suggested Readings:</u>			

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<ul style="list-style-type: none">• Head Study: Simplifying the Human Head by Tushar Moleshwari.• Atlas of Human Anatomy for the Artist by Stephen Rogers Peek.	
Evaluation Methodology:	
Type	Marks Allotted
Internal Assessment (Sessional Work and Practice Record File)	10 Marks
University Examination: <ul style="list-style-type: none">• Time: 4 hours.• Paper size: 1/2 IMP.• Medium: Pencil, Charcoal.	40 Marks
Total	50 Marks

Note: Minimum five works of 1/2 IMP size needs to be submitted as Practice Record File.



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**Under Graduate Course - Drawing & Painting
Paper-II (Practical)**

Program: Diploma	Class: B.A.	Year: Second	Session: 2022-23
Subject: Drawing & Painting			
1.	Course Code		
2.	Course Title	Composition (Paper II)	
3.	Course Type (Core Course/ Elective/ Generic Elective/ Vocational...)	Core Course	
4.	Pre-requisite (if any)	Certificate Course (B.A. 1st Year)	
5.	Course Learning Outcome (CLO)	Development of pictorial design into content-oriented painting with representational aspect. Understanding and handling of the 2D surface and its structural possibilities along with the basic relation to the desired form and content. Exercises based on simple compositions using everyday sketches of objects, nature studies, human figures, and animals etc.	
6.	Credit Value	4	
7.	Total Marks	Max. Marks: 50	Min. Passing Marks: 17
Total No. of Lectures- Tutorials- Practical (in hours per week): L-T-P: 0-0-4			
Unit	Topics	No. of Lectures (Total: 60)	

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I.	Understanding and handling of 2D surface and its structural possibilities.	
II.	Exercises on compositions using sketches of objects, nature studies, human figures and animals etc.	
Suggested Readings:		
<ul style="list-style-type: none"> • Mastering Composition, by Ian Roberts. • Composition: A Series of Exercises in Art Structure for the Use of Students and Teachers, by Arthur Wesley Dow. 		
Evaluation Methodology:		
Type		Marks Allotted
Internal Assessment (Sessional Work and Practice Record File)		10 Marks
University Examination:		40 Marks
<ul style="list-style-type: none"> • Time: 4 hours. • Paper size: ¼ IMP. • Medium: Water Color. 		
Total		50 Marks

Note: Minimum five works of ¼ IMP size needs to be submitted as Practice Record File.



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**Under Graduate Course - Drawing & Painting
Paper – I (Theory)**

Program: Degree	Class: B.A.	Year: Third	Session: 2022-23
Subject: Drawing & Painting			
1.	Course Code		
2.	Course Title	History of Indian Painting (Paper I)	
3.	Course Type (Core Course/ Elective/ Generic Elective/ Vocational...)	Core Course	
4.	Pre-requisite (if any)	Diploma (B.A. 2 nd Year)	
5.	Course Learning Outcome (CLO)	Students learn about the history and development of Indian painting starting from Bengal School to Modern Age, and including but not limited to the study of the paintings of modern day painters like N.S. Bendre, K.K. Hebber and J. Swaminathan.	
6.	Credit Value	2	
7.	Total Marks	Max. Marks: 50	Min. Passing Marks: 17
Total No. of Lectures- Tutorials- Practical (in hours per week): L-T-P: 2-0-0			
Unit	Topics	No. of Lectures (Total: 30)	
I.	Artists from the Bengal School: e) Abanendra Nath Tagore. f) Rabindra Nath Tagore.		

	g) Gaganendra Nath Tagore. h) Nandalal Bose.	
II.	Modern Age period of Painting: d) Raja Ravi Verma e) Amrita Shergill f) Yamini Ray	
III.	Progressive Artists' Group: c) F.N. Souza d) M.F. Hussain e) S.H. Raza	
IV.	Modern day painters: d) N.S. Bendre e) K.K. Hebber f) J. Swaminathan	
V.	Contribution of art and artists of Chhattisgarh in Contemporary Indian Art.	

Suggested Readings:

- The Progressive Revolution: Art for a New India, by Boon Hui Tan and Zehra Jumabhoy.
- The Art of Tagore by Rabindranath Tagore.
- Bhartiya Chitrakala ka Itihaas by Shyam Bihari Aggrawal.
- Chhattisgarh Ki Samkalin Kala by Anup Kumar Chand.

Evaluation Methodology

Type	Marks Allotted
Class Test (Internal Assessment)	05 Marks
University Examination (Duration: 3 hours)	45 Marks
Total	50 Marks



**Under Graduate Course - Drawing & Painting
Paper – I (Practical)**

Program: Degree	Class: B.A.	Year: Third	Session: 2022-23
Subject: Drawing & Painting			
1.	Course Code		
2.	Course Title	Study of Indian Miniature Painting(Paper I)	
3.	Course Type (Core Course/ Elective/ Generic Elective/ Vocational...)	Core Course	
4.	Pre-requisite (if any)	Diploma (B.A. 2 nd Year)	
5.	Course Learning Outcome (CLO)	Students should be exposed to various schools of traditional Indian Paintings. A detailed copy of miniature painting from any chosen style. Study and understand the various forms of Indian miniature paintings style existent in the country from Mughal, Rajasthani and Pahadi style of paintings.	
6.	Credit Value	4	
7.	Total Marks	Max. Marks: 50	Min. Passing Marks: 17
Total No. of Lectures- Tutorials- Practical (in hours per week): L-T-P: 0-0-4			
Unit	Topics	No. of Lectures (Total: 60)	

I.	Mughal style of Indian miniature paintings.	
II.	Rajasthani style of Indian miniature paintings.	
III.	Pahadi style of Indian miniature paintings.	
Suggested Readings:		
<ul style="list-style-type: none"> • Mughal Miniatures (Eastern Art Series) by J. M. Rogers. • Rajasthani Miniatures: The Magic of Strokes and Colours by Daljeet. • Growth and Tradition of Pahari Miniature Painting by Onkar Rahi. • Publications by Lalit Kala Akademi, New Delhi 		
Evaluation Methodology:		
Type		Marks Allotted
Internal Assessment (Sessional Work and Practice Record File)		10 Marks
University Examination:		40 Marks
<ul style="list-style-type: none"> • Time: 4 hours. • Paper size: ¼ IMP. • Medium: Water Color, Poster Color and Natural Earth Color. 		
Total		50 Marks

Note: Minimum five works of ¼ IMP size needs to be submitted as Practice Record File.



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**Under Graduate Course - Drawing & Painting
Paper-II (Practical)**

Program: Degree	Class: B.A.	Year: Third	Session: 2022-23
Subject: Drawing & Painting			
1.	Course Code		
2.	Course Title	Creative Composition (Paper II)	
3.	Course Type (Core Course/ Elective/ Generic Elective/ Vocational...)	Core Course	
4.	Pre-requisite (if any)	Diploma (B.A. 2nd Year)	
5.	Course Learning Outcome (CLO)	Creative Painting (original work) in any media, Compositions (Thematic, Subjective of Abstract), Exploration of various phases of contemporary Painting and aesthetic principles in order to develop a distinct and personal style.	
6.	Credit Value	4	
7.	Total Marks	Max. Marks: 50	Min. Passing Marks: 17
Total No. of Lectures- Tutorials- Practical (in hours per week): L-T-P: 0-0-4			
Unit	Topics	No. of Lectures (Total: 60)	
I.	Composition of Individual and Original Work.		

II.	Development of painting and aesthetic principles	
III.	Development of a distinct and personal style	
Suggested Readings:		
<ul style="list-style-type: none"> • Painting Abstracts: Ideas, Projects and Techniques by Rolina Van Vliet. 		
Evaluation Methodology:		
Type		Marks Allotted
Internal Assessment (Sessional Work and Practice Record File)		10 Marks
University Examination: <ul style="list-style-type: none"> • Time: 4 hours. • Paper size: 1/2 IMP. • Medium: Water Color, Poster Color, Acrylic Color and Mixed Media. 		40 Marks
Total		50 Marks

Note: Minimum five works of 1/2 IMP size needs to be submitted as Practice Record File.



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