

University of Rajasthan

B.A. Part - II

For.

2014 Exam

Changes in

B.A/B.Sc / Psychology

→ MEL

→ Psychology


11/19

SCHEME OF EXAMINATION

B.A. Part II Examination (Under 10+2+3 Pattern)

R.11 (2)

The number of papers and the maximum marks for each paper together with the minimum marks required for a pass are shown in the Scheme of examination on against each subject separately. It will be necessary for a candidate to pass in the theory part as well as the practical part of a subject/paper, wherever prescribed, separately. Classification of successful candidates shall be as follows :

First Division	60%	} of the aggregate marks obtained at the Part I, Part II & Part III Examinations, taken together.
Second Division	48%	

All the rest will be declared to have passed the Examination if they obtain the minimum pass marks in each subject, viz. 36%. No division shall be awarded at the Part-I and Part-II examination.

University of Rajasthan
B.A. Part II Examination

DISTRIBUTION OF MARKS

S. No.	Name of the Subject	No. of Papers	Duration	Max. Marks	Min. Pass Marks
1	2	3	4	5	6

Optional Subjects (Any three of the following subjects to the restriction as mentioned in O. 203-1)

1. English Literature	Paper I	3 hrs.	100	72
	Paper II	3 hrs.	100	
2. Hindi Sahitya	Paper I	3 hrs.	100	72
	Paper II	3 hrs.	100	
3. Urdu	Paper I	3 hrs.	100	72
	Paper II	3 hrs.	100	
4. Persian	Paper I	3 hrs.	100	72
	Paper II	3 hrs.	100	
5. Arabic	Paper I	3 hrs.	100	72
	Paper II	3 hrs.	100	
6. Sanskrit	Paper I	3 hrs.	100	72
	Paper II	3 hrs.	100	
7. Philosophy	Paper I	3 hrs.	100	72
	Paper II	3 hrs.	100	

72

72

Syllabus B.A. Part-II

1	2	3	4	5	6	
8.	History	Paper I	3 hrs.	100	72	
		Paper II	3 hrs.	100		
9.	Political Science	Paper I	3 hrs.	100	72	
		Paper II	3 hrs.	100		
10.	Indian Music	Paper I	3 hrs.	100	72	
		Paper II	3 hrs.	100		
11.	Public Administration	Paper I	3 hrs.	100	72	
		Paper II	3 hrs.	100		
12.	Drawing & Painting	Paper I	3 hrs.	90	32½	
		Paper II	3 hrs.	90	31½	
		Submission of work (Regular)			20	7
13.	Sociology	Paper I	3 hrs.	100	72	
		Paper II	3 hrs.	100		
14.	French	Paper I	3 hrs.	75		
		Paper II	3 hrs.	75	150	
		Viva-voce	3 hrs.	75	54	
15.	German	Paper I	3 hrs.	75		
		Paper II	3 hrs.	75	150	
		Viva-voce	3 hrs.	50	54	
16.	Home Science	Paper I	3 hrs.	66	132	
		Paper II	3 hrs.	75	48	
		Practical: Two	3 hrs. each	25+25=75	27	
17.	Textile Craft	Paper I	3 hrs.	30	60	
		Paper II	3 hrs.	30	22	
		Two Practical	35 each	70	25	
		Two Submission	35 each	70	25	
18.	Investigative	Paper I	3 hrs.	40	25	
	Bio-Technology	Paper II	3 hrs.	40	15	
		Practical		120	42	
19.	Garment Production	Paper I	3 hrs.	30	80	
	& Export Management	Paper II	3 hrs.	50	36	

1	2	3	4	5	6
20.	Mathematics	Paper I	3 hrs.	66	48
		Paper II	3 hrs.	66	
21.	Economics	Paper I	3 hrs.	100	72
		Paper II	3 hrs.	100	132
22.	Geography	Paper I	3 hrs.	75	54
		Paper II	3 hrs.	75	
23.	Statistics	Paper I	3 hrs.	66	
		Paper II	3 hrs.	66	132 48
24.	Applied Statistics	Paper I	3 hrs.	66	132 48
		Paper II	3 hrs.	66	
		Practical	4 hrs.	68	24
25.	Psychology	Paper I	3 hrs.	75	54
		Paper II	3 hrs.	75	
26.	Rajasthani	Paper I	3 hrs.	100	200 72
		Paper II	3 hrs.	100	
27.	Anthropology	Paper I	3 hrs.	200	72
28.	Dramatics	Paper I	3 hrs.	50	18
		Paper II	3 hrs.	50	18
		Practical P-I	4 hrs.	50	18
		Practical P-II	4 hrs.	50	18
29.	Computer Application	Paper I	3 hrs.	65	22
		Paper II	3 hrs.	65	22
		Practical	70	28	
30.	Physical Education	Paper I	3 hrs.	60	22
		Paper II	3 hrs.	60	22
		Practical	80	28	
31.	Indian Heritage	Paper I	3 hrs.	60	22
	in Rural	Practical		80	28
	Handicrafts	Submission		60	22

N.B. : 1. Candidates must pass separately in each of the paper : theory and Practical, wherever prescribed.

2. Common papers in the subjects of Statistics and Mathematics, Economics, Geography and Psychology will be set both in the Faculties of Social Sciences and Science. The allocation of marks will however, be different.

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B.A. Part II
English Language and Literature

The Syllabus aims at achieving the following objectives:

1. Interpretation and appreciation of selected texts from the genres of poetry, drama, prose and fiction.
2. Strengthening skills of note making, summarizing and dialogue writing.
3. Understanding texts with specific reference to genres, forms and literary terms.

Paper I
Poetry and Drama

Max. Marks: 100 Duration : 3 hours Min. Pass Marks : 36

Pattern of the Questions Paper

Paper I.

Question No. 1 References to Context from Unit A, B & C.

Candidate will be required to explain Four (4) passages of Reference to Context out of Eight (8) of five marks each, with a total of 20 marks.

Question No. 2 will also be Compulsory, The student will be required to attempt 5 questions out of 10, to be answered in about 5 line each. Each question will carry 4 marks to a total of 20 marks. The other 3 questions will be essay-type questions of 20 marks each, one from each section with internal choice.

Section A

The following poems from Strings of Gold Part II ed. Jasbir Jain (Macmillan)

Thomas Gray : Elegy Written in a Country Churchyard.

William Blake : London

William Wordsworth:

1) The World is Too Much with Us

2) The Solitary Reaper

S.T. Coleridge : Christabel- Part I

George Gordon Byron : There is a pleasure in the Pathless Woods.

P.B. Shelley : Ode to the West Wind

John Keats : To Autumn

Section B

The following poems from Ten Twentieth Century Poets ed. R. Parthasarathy (OUP):

Kamala Das

(1) My Grandmother's House

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(2) A Hot Noon in Malabar

Arun Kolatkar

(1) An Old Woman

(2) The Bus

(3) Chaitanya

Nissim Ezekiel

(1) Enterprise

(2) Night of the Scorpion

A.K. Ramanujan :

(1) Of Mothers, Among Other Things

(2) Obituary

(3) A River

Section C

Ibsen : A doll's House

Chandalika : Tagore's Play

Paper II : Prose and Fiction

Max. Marks: 100 Duration : 3 hours Min. Pass Marks : 36

Pattern of the Questions Paper

Paper II.

Question No. 1 References to Context from **Unit A only.**

Candidate will be required to explain Four (4) passages of Reference to Context out of Eight (8) of five marks each, with a total of 20 marks.

Question No. 2 will also be Compulsory. The student will be required to attempt 5 questions out of 10, to be answered in about 5 line each. Each question will carry 4 marks to a total of 20 marks. The other 3 questions will be essay-type questions of 20 marks each, one from each section with internal choice.

Section A

The following essays from An Anthology of English Essays Edited by R.P. Singh (OUP)

S. Radhakrishnan

The Gandhian Outlook

R.K. Narayan

A Bookish Topic

J.B. Priestley

Making Writing Simple

Jonathan Swift

On Style

Virginia Woolf

How Should One Read a Book?

The following short stories from *The Pointed Vision* Edited by Usha Bande and Krishnan Gopal, (OUP):

Leo Tolstoy

Three Questions

Pearl S Buck

The refugees

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Syllabus B.A. Part-II

R.K. Narayan
D.R. Sharma
Alice Walker

Under the Banyan Tree
That Pagli
Am I Blue?

Section B

Rama Mehta
Ernest Hemingway

Inside the Haveli
Old Man and The Sea

Section C

Note Making, Summarizing, Writing a Dialogue
Recommended Reading:

Vandana R. Singh, The Written Word (OUP)

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हिन्दी साहित्य

बी.ए. द्वितीय वर्ष : प्रथम प्रश्न पत्र (प्रयोजनपरक हिन्दी)

परीक्षा योजना

पूर्णांक 100

अवधि : 3 घण्टे

1. खण्ड 'क-1' एवं 'ख' से एक तथा 'ग' से एक दीर्घउत्तरीय प्रश्न (आन्तरिक विकल्प देय, शब्द-सीमा: 500 शब्द) $2 \times 20 = 40$ अंक
2. खण्ड 'ख' से किसी माध्यम की एक विधा में सर्जनात्मक लेखन (आन्तरिक विकल्प देय, कोई शब्द सीमा निर्धारित नहीं) $1 \times 10 = 10$ अंक
3. खण्ड- 'ग-8' के अनुवाद-कार्य के अन्तर्गत प्रशासनिक-पारिभाषिक शब्दावली का अंग्रेजी से हिन्दी में अनुवाद $8 \times 2 = 16$ अंक
4. खण्ड 'ग-8' के अनुवाद-कार्य के अन्तर्गत नवजीवन प्रकाशन मन्दिर, अहमदाबाद से प्रकाशित गांधीजी की आत्मकथा (अंग्रेजी अनुवाद-महादेव देसाई) के प्रारम्भिक पाँच परिच्छेदों से चयनित एक अंश का हिन्दी अनुवाद। 14 अंक
5. खण्ड 'क' एवं 'ख' से चार एवं खण्ड 'ग' से दो, कुल छः प्रश्न पूछे जायेंगे, जिसमें से कुल चार के उत्तर देने होंगे। (शब्द सीमा 100 शब्द) $4 \times 5 = 20$ अंक

बी.ए. द्वितीय वर्ष : प्रथम प्रश्न पत्र (प्रयोजनपरक हिन्दी)

- क. 1. प्रयोजनपरक हिन्दी : अवधारणा और विविध क्षेत्र
2. प्रयोजनपरक हिन्दी के सर्जनात्मक अभ्यास

ख. माध्यम लेखन :

1. विविध संचार माध्यम : परिचय एवं कार्यविधि—
 - (i) श्रव्य माध्यम : रेडियो
 - (ii) श्रव्य-दृश्य माध्यम : टेलीविजन और फिल्म
 - (iii) तकनीकी माध्यम : इंटरनेट

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(iv) मिश्र माध्यम : विज्ञापन

(v) समाचार-पत्र

2. उपर्युक्त माध्यमों का भाषिक विन्यास और वैशिष्ट्य
3. संचार माध्यमों की प्रकृति और चरित्र
4. रेडियो-लेखन : उद्घोषणा, कार्यक्रम-संयोजन (कंपेयरिंग), समाचार, धारावाहिक, फीचर, रिपोर्ट, रेडियो नाटक, अवयव, रूप और प्रविधि।
5. टेलीविजन एवं फिल्म लेखन : वाचन, कार्यक्रम-संयोजन, डाक्यूमेंट्री, टेलीड्रामा, संवाद-लेखन, पटकथा-लेखन : प्रक्रिया और प्रविधि।
6. इंटरनेट : सामग्री-सृजन, संयोजन एवं प्रेषण।
7. विज्ञापन-लेखन : उद्देश्य और स्वरूप, विज्ञापन में नैतिकता और संस्कृति माध्यमगत वैशिष्ट्य।
8. साहित्यिक कृतियों का माध्यम रूपान्तरण।

ग. अनुवाद :

1. अनुवाद की परिभाषा, स्वरूप और महत्त्व
2. अनुवाद : प्रकार
3. अनुवाद-प्रक्रिया
4. अनुवाद और समतुल्यता
5. अनुवाद कार्य की प्रकृति
6. अनुवाद समीक्षा
7. अनुवाद की समस्याएँ : पारिभाषिक शब्दावली, साहित्यानुवाद एवं अन्य प्रमुख क्षेत्र
8. अनुवाद-कार्य : अंग्रेजी से हिन्दी में अनुवाद, प्रशासनिक एवं पारिभाषिक शब्दावली का हिन्दी अनुवाद।

बी.ए. द्वितीय वर्ष : द्वितीय प्रश्न पत्र (हिन्दी गद्य-2)

परीक्षा योजना

पूर्णांक 100

अवधि : 3 घण्टे

1. खण्ड 'क-1' से एक (01) तथा खण्ड 'क-2' से दो अंशों का पाठ-विश्लेषण (कुल तीन)- सांस्कृतिक, समाजशास्त्रीय एवं साहित्यिक परिप्रेक्ष्य में (आन्तरिक विकल्प देय) 3×8=24 अंक

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Question Paper
Hindi Prose - 2

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2. खण्ड 'क-1 एवं क-2' से एक-एक अर्थात् कुल दो विवेचनात्मक/आलोचनात्मक/वर्णनात्मक प्रश्न (आन्तरिक विकल्प देय) : शब्द-सीमा 500 शब्द $2 \times 20 = 40$ अंक
3. खण्ड 'ख' से दो लघूत्तरात्मक प्रश्न (तीन में से कोई दो) (शब्द-सीमा 150 शब्द) पूछे जायेंगे। $2 \times 6 = 12$ अंक
तथा चार अतिलघूत्तरात्मक प्रश्न (शब्द-सीमा 25 शब्द, कोई विकल्प नहीं) पूछे जायेंगे। $4 \times 2 = 8$ अंक
4. खण्ड 'ग' में उल्लिखित रचनाकारों/रचनाओं के परिचय/महत्व/विशेषता आदि पर दो लघूत्तरात्मक प्रश्न (तीन में से कोई दो प्रश्न) (शब्द सीमा 150 शब्द) पूछे जायेंगे, $2 \times 6 = 12$ अंक
तथा दो अतिलघूत्तरात्मक प्रश्न (शब्द-सीमा 25 शब्द कोई विकल्प नहीं) पूछे जायेंगे। $2 \times 2 = 4$ अंक

(हिन्दी गद्य-2)

क. निर्धारित पाठ्य-ग्रंथ

1. नाटक—

आषाढ़ का एक दिन-मोहन राकेश

2. निबन्ध—

- | | | |
|----------------------------|---|------------------------------|
| (1) भारतेन्दु हरिश्चन्द्र | : | एक अद्भुत अपूर्व स्वप्न |
| (2) सरदार पूर्णसिंह | : | आचरण की सभ्यता |
| (3) आचार्य रामचन्द्र शुक्ल | : | श्रद्धा और भक्ति |
| (4) महादेवी वर्मा | : | यथार्थ और आदर्श |
| (5) हजरीप्रसाद द्विवेदी | : | कुटज |
| (6) अज्ञेय | : | सभ्यता का संकट |
| (7) विद्यानिवास मिश्र | : | मेरे राम का मुकुट भीग रहा है |
| (8) निर्मल वर्मा | : | संवाद की मर्यादाएँ |
| (9) कुबेरनाथ राय | : | राघवः करुणो रसः |
| (10) हरिशंकर परसाई | : | वैष्णव की फिसलन |

ख. हिन्दी नाटक : उद्भव और विकास

हिन्दी में नाटक का आरम्भ और भारतेन्दु के नाटक, पारसी नाटक और रंगमंच, नाटक और रंगमंच का सम्बन्ध, नाटककार प्रसाद, समस्या-नाटक और लक्ष्मीनारायण मिश्र, एब्सर्ड नाटक और भुवनेश्वर, एकांकी नाटककार रामकुमार वर्मा, विष्णु प्रभाकर और रेडियो नाटक, नाटककार जगदीशचन्द्र माथुर, गीतिनाट्य और धर्मवीर भारती, नाटककार लक्ष्मीनारायण लाल, नाटककार सर्वेश्वरदयाल, नाटककार सुरेन्द्र वर्मा, शंकर शेष और मणि मधुकर।

ग. हिन्दी निबन्ध:

स्वरूप और शैलियाँ, प्रमुख निबंधकार—बालकृष्ण भट्ट, प्रतापनारायण मिश्र, चन्द्रधर शर्मा गुलेरी, बालमुकुन्द गुप्त, माधवप्रसाद मिश्र, महावीरप्रसाद द्विवेदी, गुलाबराय, जयशंकर प्रसाद, रायकृष्णदास, वासुदेवशरण अग्रवाल, जैनेन्द्र कुमार, पद्मसिंह शर्मा और शरद जोशी।

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URDU

Paper I (Prose, Poetry And Critical Appreciation)

M.M.100 3Hrs.

Min. Pass Marks—36

Books Prescribed :-

- 1) Intikhabe Nasr—Part- 11 Edited By Dr. Shabihul Hasan & Others (1990 Edition)

The Following Lessons are Omitted From The Text Book :-

A) Adab Ki Gharaz-o-Ghayat

B) Natak

- 2) Shahpare (Nazm) Published By Idara-e-Nashr-O-Ishayat, Allahabad University, Allahabad (1991 Edition)

The Following Are Prescribed From The Text Book :-

A) Ghazalyat - Dard, Nasikh, Momin

B) Qasida - Zauq

C) Marsiya - Namake Khawane Takallum hai Fasahat Meri Meer Anis

Division Of Marks:-

Unit I - Explanation Of Two Out Of Three Prose Passages -20

Unit II - Explanation Of Two Out Of Three Ghazal/Qasida/
Marsiya Passages -20

Unit III-Critical Appreciation Of A Prose Writer
with Internal Choice -20

Unit IV- Summary Of A Prose Lesson With Internal Choice -20

Unit V- General Questions on Ghazal/Qasida/
Marsiya Passages With Internal Choice -20

Total = 100

Paper II (Translation, Essay & Rapid Reader)

M.M. 100

3 Hrs.

Min Pass Marks – 36

Books Prescribed :-

- 1) Gulha-e-Farsi Published – By Kitabistan, 30 Chak Road Allahabad
- 2) Bewa – By Prem Chand
- 3) Ek Chader Maili Si – By Rajendra Singh Bedi

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Syllabus B.A. Part-II

3) Urdu Ki Kahani - By Ehtesham Hussain

Books Recommended :-

- a) Urdu Ki Mukhtasar Tareen Tareekh - By Salim Akhtar
- b) Urdu Adab Ki Tareekh - By Azeemul Huq Junedi

Division Of Marks :-

Unit I - Essay On A Literary Or Cultural Topic With Internal Choice	-20
Unit II - Translation From Persian Into Urdu & Transalation From Hindi/English Into Urdu	-20
Unit III- Critical Questions On Technique/Style/ Characters of Bewa Novel and Chadar Maili Si	-20
Unit IV - Questions On Urdu Ki Kahani With Internal Choice	-20
Unit V - Questions On Definition & Development Of Urdu Novel.	-20

Total = 100

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B.A. PART-II (PERSIAN)

Scheme :

Min. Pass Marks : 72

Paper-I

3 hrs. duration

Max. Marks : 200

Paper-II

3 hrs. duration

100 Marks

100 Marks

PAPER-I (PROSE & POETRY)

M.M.- 100

3Hrs.

Min.Pass Marks - 36

Books Prescribed :-

1- Nisab-E-Jadeed Farsi Bara-e-BA

(Hissa Nasr Wa Nazm) Published By - Jayyed Press - Delhi

Prose Section

1- Intekhab-E-Zindagi-E-Man

(Page 20 to 32 Are Deleted From Intikhab-E-Zindagi-E-Man)

2- Dastan Hai Kotah

(I) Saeed Nafisi

(II) Mohd. Nijazi

(A) Khana-e-Pidari

(A) Idi

(B) Janayat-e-Man

(B) Mah-E-Man

Poetry Section

1- Intekhab Az Diwan Malikush Shura Bahar

(A) Qasida-E-Watania

(B) Qasida-E-Jahnumiya

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(C) Nasihat-Ba-Jawanan

2. Intekhab-E-Masnavi-E-Manvi

(I) Hikayat Mard Beqal Wa Tuti Roghan Rekhtan Tuti Dar Dukan

3. Rubayate Umer Khayyam 1st To 20 Rubiyat

Division Of Marks :-

Unit I - Translation Of Two Prose Passages Out Of Three Into Urdu 20

Unit II - Translation Of Two Poetry Passages Out Of Three Into Urdu 20

Unit III- General Question On Prescribed Prose Writer 20

Unit IV- General Question On Prescribed Poet 20

Unit V- Summary Of A Prescribed Prose Lesson 20

Total = 100

PAPER - II (FICTION, HISTORY OF PERSIAN LITERATURE AND TRANSLATION)

M.M.100

3Hrs

Min. Pass Marks- 36

Books Prescribed :-

1- Nisab-E-Jadeed Farsi Bara-e-BA (Hissa-E-Nasr)
Published By - Jayyed Press, Delhi
Only Intekhab-E-Haji

Bada (Upto Guftar Suwwum & Azan-E-Maghrib By Saeed Nafisi & Khudkushi by Hijazi)

Books Recommended :-

1) Sher-ul-Ajam Part I & II By Shibali Nomani
2) Tarikh-E-Adabiyat-E-Iran By Dr. Raza Zada Shafaq Translated In Urdu By Mubarizuddin Rifat

Division Of Marks

Unit I - Translation Of Two Passages Out Of Three Prescribed Fiction Into Urdu 20

Unit II- General Question On Fiction / Character 20

Unit III- History Of Persian Literature (From Tahir Period To Safawid Period) 20

Unit IV- Question On Prescribed Short Stories 20

Unit V- Translation Of Two Simple Urdu Passages Out Of Three Into Persian 20

Total = 100

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5. ARABIC

Scheme :	Min. Pass Marks : 72	Max. Marks : 200
Paper - I	3 hrs. duration	100 Marks
Paper - II	3 hrs. duration	100 Marks

Paper - I : Prose, Translation and History of Arabic

Division of Marks :

1. Translation of passages of prose (Text) into Urdu/English.	40 Marks
2. Translation of Urdu/English passage into Arabic	20 Marks
3. Life Sketch of an author	10 Marks
4. Summary of a lesson	15 Marks
5. History of Arabic Literature	15 Marks
Total	100 Marks

Books Prescribed :

Alquiraat Rshida-al-juz-wus-sali

Books Recommended :

1. Darjat-ul-Adab Vol. II by Zafar Iqbal.
2. Tarikh-ul-Adab-al-lughat ul-Arabian by Jirji Zaidan.
3. Aladab-UI-Jahiliya : by Dr. Taha Hussain.
4. History of Arabic Literature by Clement Hurt.

Paper-II : Poetry, Translation, Grammar and Essay or Letter

Division of Marks :

1. Explanation of extracts from poems into Urdu/English	40 Marks
2. Translation of passage of Urdu/English into Arabic	20 Marks
3. Life Sketch of a poet	10 Marks
4. Grammar	10 Marks
5. Essay or letter	20 Marks
Total	100 Marks

Books Prescribed :

1. Nakhabatul Adab, Muratti-ba-Shoba-e-Arabi, Muslim University Alligarh. Ishatt Som.

The following poems only :

- (i) Alhamazetul Nabuwwat. Min-awwalaha Ali "walhasan min karam" Alshouqiyat al ahmed shouq.
- (ii) Aghazal-wa-alkalab-alshouqiyat al ahmed shouqi.
- (iii) Alughatul-Araba-Diwan Modh. Hafiz Ibrahim
- (iv) Al Shair Diwan Mohd. Hafiz Ibrahim.

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- (v) Fi-lwehdat-Min-wajaul-Mirat-ul-Addur-Rehmanalsiddiqui.
- (vi) Menajat-Miratual Nafsial Abdul Rehman Albadvi.
- (vii) Al-haryate-fis-sigasata-almusta qmareen Diwanur Rasani Albaghdadi.
- (viii) Sakran (Abbas Mahmood allaqad) Azhar-ul-ashasr Larbari.
- (ix) Fi-rasa-un-nafsi (Abdul Qadir Almazani) Alashshair wannajdid.
- (x) Asha-shuhada (Khairuddin-Zarkale) Diwan Khair uddin.
- (xi) Ya-rafiqi (Aliya Abu Mazi)- Azharul Ashaar.
- (xii) Raqadul Qalam (Ilyas Zbu shabkat)-Azharul-Ashaar.
- (xiii) Aghniya-reefiyat (Ali Mahmood)-Azharul-Ashaar.
- (xiv) Akhakaz-Tehzi (Nadvi Tauqan) - Azharul Ashaar.
- (xv) Ana (Nazil-ul-mala-e-Kati) - Mukhtarat Minnush shair-ul Hadees-ul-Mustafi Badvi.

Grammar :

Sarfe-Saghir-wa-Sarfe-Kabber, Khassatul Abwad, Afaal, Tafeel, Muzae-lat, Is-tefaal, tafawul-Tafaal, Ifteal.

Aqsam-e-Jumla, Khaberyah, Inshaiyyah, Ismiyah, Failiyah-ma-e-Aqsam.

Almarfooaat, almansoobat-wal-mujaddebat-ma-a aqsam Altwabe

Essay or Letter

Section Officer (Acad-D)
University of Rajasthan
Jaipur

संस्कृत

सामान्य निर्देश :

1. प्रत्येक परीक्षा में दो-दो प्रश्न पत्र होंगे।
2. प्रत्येक प्रश्न पत्र में न्यूनतम उत्तीर्णांक 36 तथा पूर्णांक 100 होंगे और समय 3 घंटे होगा।
3. परीक्षा का माध्यम हिन्दी/अंग्रेजी होगा, परन्तु प्रश्न-पत्र केवल हिन्दी में बनाया जायेगा। परीक्षार्थी को यह छूट होगी कि हिन्दी, संस्कृत अथवा अंग्रेजी में किसी एक भाषा में उत्तर दे सके। यदि परीक्षक ने किसी प्रश्न विशेष के लिए भाषा का निर्देश कर दिया है तो उस प्रश्न का उत्तर उसी भाषा में देना अनिवार्य होगा।
4. संस्कृत को केवल देवनागरी लिपि में ही लिखा जाना अपेक्षित है।
5. निर्धारित ग्रन्थ में से अनुवाद, व्याख्या, सरलार्थ एवं समालोचनात्मक प्रश्न पूछे जावेंगे।
6. प्रत्येक प्रश्न-पत्र में 10 प्रतिशत अंक संस्कृत भाषा में उत्तर के लिए निर्धारित हैं।
7. प्रत्येक प्रश्न-पत्र में दो भाग होंगे, जिसमें प्रथम 'अ' भाग बहुविकल्पीय (वस्तुनिष्ठ)

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Section Officer (Acad-I)
University of Rajasthan
JAIPUR

एवं लघूत्तर प्रश्नों का होगा। 'ब' भाग में निबन्धात्मक प्रश्न होंगे। 'अ' भाग में कुल 20 प्रश्न होंगे, जिनका पूर्णांक 30 होगा। इनके समाधान हेतु एक घंटे का समय निर्धारित है। 'ब' भाग का हल उत्तर-पुस्तिका में प्रस्तुत करना है, जिसके पूर्णांक 70 हैं तथा कालावधि 2 घंटे निर्धारित है। छात्र (परीक्षार्थी) को परीक्षा प्रारंभ होते ही सर्वप्रथम 'अ' भाग हल करने के लिए दिया जायेगा। तथा एक घण्टा समाप्त होते ही पुनः संकलित कर लिया जायेगा।

परीक्षा योजना	न्यूनतम उत्तीर्णांक-72	पूर्णांक-200
प्रथम प्रश्न-पत्र	'अ' भाग के लिए 1 घंटा	अंक-30
	'ब' भाग के लिए 2 घंटा	अंक-70
द्वितीय प्रश्न-पत्र	'अ' भाग के लिए 1 घंटा	अंक 30
	'ब' भाग के लिए 2 घंटा	अंक-70

प्रथम प्रश्न-पत्र—वैदिक साहित्य, गद्य साहित्य,
एवं व्याकरण

प्रत्येक प्रश्न-पत्र के दो भाग होंगे, जिसमें 'अ' भाग बहुविकल्पीय (वस्तुनिष्ठ) एवं लघूत्तर प्रश्नों का होगा। 'ब' भाग में निबन्धात्मक प्रश्न होंगे। 'अ' भाग में कुल 20 प्रश्न होंगे। जिनका पूर्णांक 30 होगा। इनके समाधान हेतु एक घण्टा की अवधि निर्धारित की गई है। 'ब' भाग का पूर्णांक 70 होगा जिसके लिए शेष दो घण्टे की अवधि निर्धारित है।

पाठ्यक्रम—

1. वैदिक साहित्य 30 अंक
 - (क) ऋग्वेद के निम्नलिखित सूक्तों का अध्ययन—अग्नि 1/1, वरुण 1/25, इन्द्र 2/12, क्षेत्रपति 4/57, विश्वदेवा 8/58, प्रजापति 10/121, संज्ञान 10/191-इन सूक्तों के मंत्रों का अनुवाद, व्याख्यात्मक टिप्पणी एवं उक्त देवताओं का चरित्र स्वरूप संबंधी प्रश्न निर्धारित हैं।
 - (ख) कठोपनिषद्—प्रथम अध्याय—प्रथम वल्ली
2. गद्य साहित्य—'शुकनासोपदेश' (कादम्बरी-बाणभट्ट से) 30 अंक
3. वैदिक साहित्य का इतिहास 10 अंक

क—वेद तथा प्रमुख ब्राह्मण ग्रंथों का सामान्य परिचय
4. व्याकरण—लघुसिद्धान्तकौमुदी—नामिक अजन्त एवं हलन्त 30 अंक
 - (क) नामिक अजन्त प्रकरण—20 अंक—निम्नलिखित शब्दों की रूपसिद्धि एवं इनमें प्रयुक्त होने वाले सूत्रों का अर्थज्ञान—शब्द—राम, सर्व, हरि, रमा, मति, सदी, ज्ञान और वारि।

Examination Officer
UNIVERSITY OF DELHI
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(ख) नामिक हलन्त प्रकरण—10 अंक—निम्नलिखित शब्दों की रूपसिद्धि एवं इनमें प्रयुक्त होने वाले सूत्रों का अर्थज्ञान—शब्द—राजन्, भगवत्, विद्वस, युष्मद्, अस्मद् और चतुर।

कुल योग 100 अंक

अंक विभाजन

पाठ्य वस्तु	'अ' भाग प्रश्न संख्या	अंक	'ब' भाग प्रश्न संख्या	अंक	अंकों का योग
1. ऋग्वेद	06 (बहु.)	06	02	14	6+14=20
2. कठोपनिषद्	04 (बहु.)	04	01	06	4+06=10
3. शुकनासोपदेश	05 (लघू.)	10	02	20	10+20=30
4. वैदिक साहित्य का इतिहास	—	—	01	10	=10
5. व्याकरण लघुसिद्धान्त कौमुदी					
क-अजन्त	05 (बहु.)	05	01	15	5+15=20
ख-हलन्त	05 (बहु.)	05	01	05	5+5=10
कुल योग	25	30	08	70	100

प्रश्न-पत्र निर्माता के लिए निर्देश

- वैदिक साहित्य 'अ' भाग 06 बहु. प्रश्न पूछकर प्रति प्रश्न 1 अंक 06 अंक निर्धारित है।
 - (क) ऋग्वेद 'ब' भाग प्रश्न 1.-4 मंत्र पूछकर किन्हीं 2 मंत्रों की व्याख्या 10 अंक प्रश्न 2.-2 देवताओं के चरित्र-चित्रण संबंधी प्रश्न में से किसी एक का उत्तर अपेक्षित है। 04 अंक
- 1(ख) कठोपनिषद् 'अ' भाग 4 बहु. प्रश्न-प्रति प्रश्न के लिए 1 अंक निर्धारित है। 04 अंक
 - प्रथम-अध्याय 'ब' भाग प्रश्न 3.-2 मंत्र प्रश्न पूछकर किसी एक की व्याख्या अपेक्षित है। 06 अंक
- गद्य-साहित्य 'अ' भाग 5 लघू. प्रश्न-प्रति प्रश्न के लिए 2 अंक निर्धारित हैं। 10 अंक
 - शुकनासोपदेश 'ब' भाग प्रश्न सं. 4.-4 गद्यांश पूछकर किन्हीं दो की व्याख्या अपेक्षित है। 16 अंक

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		प्रश्न सं. 5.-2 प्रश्न पूछकर एक प्रश्न का उत्तर अपेक्षित है।	04 अंक
3. वैदिक साहित्य का इतिहास	'ब' भाग	प्रश्न सं.6.-2 सामान्य प्रश्न पूछकर 1 प्रश्न के उत्तर अभीष्ट हैं।	10 अंक
4. व्याकरण लघुसिद्धान्तकौमुदी क-अजन्त	'अ' भाग	5 बहुविकल्पीय प्रश्न-प्रति प्रश्न के लिए 1 अंक निर्धारित है।	05 अंक
	'ब' भाग	प्रश्न सं.7.- (अ) में 6 सूत्र पूछ कर 3 की व्याख्या अपेक्षित है। प्रति व्याख्या 2½ अंक की होगी।	7½
		(ब) में 6 शब्दों के सिद्धि पूछकर 3 की रूपसिद्धि करना अभीष्ट है। प्रति सिद्धि 2½ अंक निर्धारित है।	7½
ख-हलन्त	'अ'	5 बहुविकल्पीय प्रश्न-प्रति प्रश्न के लिए 1 अंक निर्धारित है।	05 अंक
	'ब' भाग	प्रश्न सं. 8 - (अ) में 2 सिद्धियाँ पूछ कर एक सिद्धि करना अभीष्ट है।	2½
		(ब) में 2 शब्दों के सिद्धि पूछकर 2 की रूपसिद्धि करना अभीष्ट है।	2½
कुल योग			100 अंक

सहायक पुस्तकें :**वैदिक साहित्य—**

1. वैदिक सूक्तमुक्तावली—सं. डॉ. सुधीर कुमार गुप्त एवं डॉ. युगलकिशोर मिश्र, हंसा प्रकाशन, जयपुर
2. वैदिक सूक्त कुसुमांजलि—डॉ. लम्बोदर मिश्र, यूनिक ट्रेडर्स, जयपुर
3. ऋक्सूक्तमंजरी—प्रो. सुभाष वेदालंकार, अलंकार प्रकाशन, जयपुर
4. ऋग्वेदसंहिता—एफ. मैक्समूलर—चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
5. ऋग्वेदसंहिता—डॉ. शारदा चतुर्वेदी—चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
6. ऋग्वेदसंहिता—वी.के. शर्मा—चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
7. कठोपनिषद्—व्या. वैजनाथ पाण्डेय—मोतीलाल बनारसीदास, दिल्ली
8. कठोपनिषद्—पं. कीर्त्यानंद झा—चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
9. कठोपनिषद्—डॉ. राजेन्द्रप्रसाद शर्मा, जगदीश संस्कृत पुस्तकालय, जयपुर
10. कठोपनिषद्—रचना प्रकाशन, जयपुर

11. कठोपनिषद्—चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
12. कठोपनिषद् (प्रथम वल्ली)—प्रो. सुभाष वेदालंकार, अलंकार प्रकाशन, जयपुर
गद्य साहित्य :

1. शुकनासोपदेश (कादम्बरी से)—डॉ. सुभाष वेदालंकार एवं श्री उमेश शास्त्री, अजमेरा बुक कं., जयपुर
2. शुकनासोपदेश—महालक्ष्मी प्रकाशन, आगरा
3. शुकनासोपदेश—डॉ. श्रीकृष्ण औझा, आदर्श प्रकाशन, जयपुर
4. कादम्बरी—प्रो. समीर शर्मा—चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
5. कादम्बरी—चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली

संस्कृत साहित्य का इतिहास :

1. संस्कृत साहित्य की रूपरेखा—चन्द्रशेखर पाण्डेय एवं नानूराम व्यास, चौखम्बा प्रकाशन वाराणसी
2. संस्कृत साहित्य का नवीन इतिहास—डॉ. पुष्करदत्त शर्मा, अजमेरा बुक कं., जयपुर
3. संस्कृत साहित्य का आलोचनात्मक इतिहास—डॉ. रामजी उपाध्याय, रामनारायणलाल बेनीमाधव, इलाहाबाद
4. संस्कृत साहित्य का इतिहास—श्री सत्यनारायण शास्त्री, आर्य बुक डिपो, दिल्ली
5. संस्कृत साहित्य की प्रवृत्तियाँ—डॉ. जयकिशन प्रसाद खण्डेलवाल, विनोद पुस्तक मंदिर, आगरा
6. संस्कृत साहित्य का इतिहास—डॉ. बलदेव उपाध्याय, चौखम्बा प्रकाशन, वाराणसी
7. संस्कृत साहित्य का इतिहास—ए.बी. कीथ, अनुवाद मंगलदेव शास्त्री, मोतीलाल बनारसी दास, दिल्ली
8. संस्कृत साहित्य का इतिहास—प्रो. उमाशंकर ऋषि, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
9. संस्कृत साहित्य का इतिहास—प्रो. राजवंश सहाय 'हीरा', चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
10. संस्कृत साहित्य का इतिहास—डॉ. रमाशंकर त्रिपाठी, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
11. वैदिक साहित्य एवं संस्कृति का स्वरूप—ओम प्रकाश पाण्डेय, विश्व प्रकाशन

लघुसिद्धान्तकौमुदी

1. लघुसिद्धान्तकौमुदी, डॉ. अर्कनाथ चौधरी, जगदीश संस्कृत पुस्तकालय, जयपुर
2. लघुसिद्धान्तकौमुदी, महेशसिंह कुशवाहा, प्रथम एवं द्वितीय भाग, चौखम्बा संस्कृत प्रतिष्ठान, नई दिल्ली

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3. लघुसिद्धान्तकौमुदी, श्री श्रीधरानन्द शास्त्री, मोतीलाल बनारसीदास, दिल्ली
4. लघुसिद्धान्तकौमुदी विश्वनाथ शास्त्री, मोतीलाल बनारसीदास, दिल्ली

बी.ए. द्वितीय वर्ष : द्वितीय प्रश्न-पत्र—नाटक, छंद,

अलंकार एवं संस्कृत साहित्य का इतिहास

द्वितीय प्रश्न-पत्र के दो भाग होंगे, जिसमें 'अ' भाग बहुविकल्पीय (वस्तुनिष्ठ) एवं लघूत्तर प्रश्नों का होगा। 'ब' भाग में निबन्धात्मक प्रश्न होंगे। 'अ' भाग में कुल 20 प्रश्न होंगे, जिनका पूर्णांक 30 होगा। इनके समाधान हेतु एक घंटा की अवधि निर्धारित की गई है। 'ब' भाग का पूर्णांक 70 होगा, जिसके लिए शेष दो घण्टे अवधि निर्धारित हैं।

पाठ्यक्रम

1. अभिज्ञानशाकुन्तलम्—कालिदास 50 अंक
2. छन्द—अभिज्ञानशाकुन्तलम् के आधार पर निम्नलिखित छन्दों के लक्षण एवं उदाहरण—अनुष्टुप, आर्या, उपजाति, भुजंगप्रयात, वसन्ततिलका, शिखरिणी, मालिनी, शादूर्लविक्रीडित, इन्द्रवज्रा, उपेन्द्रवज्रा, रथोद्धता, हरिणी, सन्धरा, मन्दाकान्ता। 10 अंक
- अलंकार—काव्यदीपिका (अष्टमशिखा) के आधार पर निम्नलिखित अलंकारों के लक्षण एवं उदाहरण—अनुप्रास, यमक, श्लेष, वक्रोक्ति, उपमा, रूपक, उत्प्रेक्षा, अतिशयोक्ति, अप्रस्तुतप्रशंसा, विभावना, विशेषोक्ति, व्यतिरेक, समासोक्ति, दृष्टान्त, दीपक, तुल्ययोगिता, संदेह, भ्रान्तिमान। 10 अंक
3. संस्कृत साहित्य का इतिहास 20 अंक
 - (क) वीरकाव्य रामायण तथा महाभारत
 - (ख) महाकाव्य एवं काव्य (ऐतिहासिक काव्यों सहित)
 - (ग) गीतकाव्य
 - (घ) गद्यकाव्य
- नाट्यसाहित्य
- (ङ) आधुनिक संस्कृत साहित्य (राजस्थान प्रान्त के संदर्भ में)
4. अनुवाद (हिन्दी से संस्कृत) 10 अंक

अंक विभाजन

पाठ्य वस्तु	'अ' भाग प्रश्न संख्या	अंक	'ब' भाग प्रश्न संख्या	अंक	अंकों का योग
1. अभिज्ञान- शाकुन्तलम्	04	04	03	36	14+36=50
	(बहुविकल्पीय)				
	05 (लघूत्तरात्मक)	10			

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2. छन्द (अभिज्ञान शाकुन्तलम्) के अनुसार	02	02	01	08	02+08=10
3. अलंकार (काव्यदीपिका अष्टम शिखा के आधार पर)	2 (बहुविकल्पीय)	02	01	08	02+08=10
4. संस्कृत साहित्य का इतिहास	4 (बहु.) 4 (लघू.)	04 08	01	08	12+08=20
5. अनुवाद	-	-	01	10	10 = 10
कुल योग	21	30	06	70	100

प्रश्न-पत्र निर्माता के लिए निर्देश

1. अभिज्ञान-शाकुन्तलम्	'अ' भाग	04 लघूत्तरात्मक प्रश्न-प्रति प्रश्न 1 अंक निर्धारित है।	04
		5 लघूत्तरात्मक प्रश्न-प्रति प्रश्न 2 अंक निर्धारित हैं।	10
	'ब' भाग	प्र.सं. 1.-1 से 4 अंकों में से 4 श्लोक पूछकर उनमें से 2 की सप्रसंग व्याख्या अपेक्षित है।	14
		प्र.सं. 2.-5 से 7 अंकों में से व्याख्या पूछना अभीष्ट है।	14
		प्र.सं. 3.-2 प्रश्नों में से 1 प्रश्न का उत्तर अपेक्षित है।	08
2. छंद	'अ' भाग	2 बहुविकल्पीय प्रश्न-प्रति प्रश्न 1 अंक निर्धारित है।	2 अंक
	'ब' भाग	प्रश्न सं. 4.-4 छंद पूछकर 2 के लक्षण एवं उदाहरण अपेक्षित है।	08 अंक
3. अलंकार	'अ' भाग	2 बहुविकल्पीय प्रश्न-प्रति प्रश्न 1 अंक निर्धारित है।	2 अंक
	'ब' भाग	प्रश्न सं. 5.-4 अलंकार पूछ कर उनमें से 2 के लक्षण एवं उदाहरण अपेक्षित है।	08 अंक

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4. संस्कृत साहित्य 'अ' भाग 4 बहुविकल्पीय प्रश्न—प्रति प्रश्न 1 अंक 04 अंक
का इतिहास निर्धारित है।
4 लघुतरात्मक प्रश्न प्रति प्रश्न 2 अंक 8 अंक
निर्धारित हैं।
'ब' भाग प्रश्न सं. 6.-2 विवेचनात्मक प्रश्नों में से 08 अंक
1 प्रश्न का उत्तर अपेक्षित है।
5. अनुवाद 'अ' भाग -
(हिन्दी से संस्कृत)
'ब' भाग प्रश्न सं. 7.-10 वाक्यों में किन्हीं 5
वाक्यों का संस्कृत अनुवाद प्रति अनुवाद
दो अंक निर्धारित है। 10 अंक

अभिज्ञानशाकुन्तलम्

1. अभिज्ञानशाकुन्तलम् डॉ. गंगासागर राय, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
2. अभिज्ञानशाकुन्तलम् जगदीशप्रसाद शर्मा—रचना प्रकाशन, जयपुर
3. अभिज्ञानशाकुन्तलम् सुबोधचन्द्र पंत—मोतीलाल बनारसीदास, दिल्ली
4. अभिज्ञानशाकुन्तलम् जगदीशलाल शास्त्री—मोतीलाल बनारसीदास दिल्ली
5. काव्यदीपिका—परमेश्वरानंद शर्मा, मोतीलाल बनारसीदास दिल्ली।

संस्कृत साहित्य का इतिहास

1. संस्कृत साहित्य की रूपरेखा—चन्द्रशेखर पाण्डेय एवं नानूराम व्यास, चौखम्बा प्रकाशन, वाराणसी
2. संस्कृत साहित्य का नवीन इतिहास—डॉ. पुष्करदत्त शर्मा, अजमेरा बुक कं. जयपुर
3. संस्कृत साहित्य का आलोचनात्मक इतिहास—डॉ. रामजी उपाध्याय, रामनारायणलाल बेनीमाधव, इलाहाबाद
4. संस्कृत साहित्य का इतिहास—श्री सत्यनारायण शास्त्री, आर्य बुक डिपो, दिल्ली
5. संस्कृत साहित्य की प्रवृत्तियाँ—डॉ. जयकिशनप्रसाद खण्डेलवाल, विनोद पुस्तक मंदिर, आगरा
6. संस्कृत साहित्य का इतिहास—ए.बी. कीथ, अनु. मंगलदेव शास्त्री—मोतीलाल बनारसीदास, दिल्ली
7. संस्कृत साहित्य का इतिहास—प्रो. उमाशंकर ऋषि, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
8. संस्कृत साहित्य का इतिहास—प्रो. राजवंश सहाय 'हीरा', चौखम्बा संस्कृत प्रतिष्ठान दिल्ली

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9. संस्कृत साहित्य का इतिहास—डॉ. रमाशंकर त्रिपाठी, चौखम्बा संस्कृत प्रतिष्ठान,
दिल्ली

अनुवाद

1. रचनानुवाद कौमदी, कपिलदेव द्विवेदी
2. रचनानुवाद कौमदी, गिरिजा प्रसाद शर्मा, मोतीलाल बनारसीदास, दिल्ली
3. रचनानुवादप्रभा—डॉ. श्रीनिवास शास्त्री, कुरुक्षेत्र

PHILOSOPHY

Scheme :

Two Papers	Min. Pass Marks 72	Max. Marks 200
Paper I	3 hrs. duration	Max. Marks 100
Paper II	3hrs. duration	Max. Marks 100

General Instructions :

1. There shall be two question papers : Paper I and Paper II.
2. Both the question papers will be in two parts : Part I & II
3. Part I of the question paper will be of 40 marks in total. This part will consist of two compulsory questions, with 20 marks each, and shall be answered in the question paper itself. These questions will cover all the units and there will be no unit wise division of the questions asked in this part.
4. The first question of the part I will have twenty multiple choice questions in total. Examiner can also ask one word type question. In this case the ratio of the multiple choice question & one word type question must be 14 : 6. Student will write one word answer of one word question in the space provided below the question. Each question will be of one mark.
5. The second question of the part I of the question paper will have 10 questions in total. Each question will be of two marks and the answer of each question must not be more than twenty words. Students will be required to answer these questions in the space given below the question. Marks may be deducted if the word limit of the answer exceeds.
6. Part II of the question paper will be of 60 marks and student will be required to write detail answer in the answer sheet only. If syllabus (course contents) of a paper is divided into two units i.e. Unit A and Unit B, then in this part of the question paper six questions will be asked in total : three questions from each unit. Student will be asked to attempt three questions in total and at least

- one question from each unit. Each question will be of 20 marks.
7. If syllabus (course contents) of a paper is divided into three Units i.e. Unit A, B & C, then in the Part II of the question paper, which consist of Essay type questions, six questions will be asked in total : two questions from each Unit. Students will be required to attempt three questions in total and one question from each Unit. This part of the question paper will be of 60 marks and student will answer these questions in answer sheet only.

Paper I : Logic (Western)
(Total Teaching Hrs.: 90)

Unit A:

Teaching Hrs. :25

Topic	Division of teaching hrs
1. Sentence and proposition, logical form	6
2. Truth, validity and soundness	3
3. Uses of language	3
4. Informal Fallacies	10
5. Laws of Thought	3

Unit B:

Total Teaching Hrs.: 30

1. Aristotelian classification of categorical propositions, square of opposition and the question of existential import, conversion, obversion, contraposition.	10
2. Categorical syllogism : figures and moods, rules of validity, fallacies.	10
3. Boolean interpretation of propositions, Venn diagram technique of testing the validity of syllogisms.	10

Unit C:

Total Teaching Hrs.: 35

1. Truth-functions : negation, conjunction, disjunction, implication and equivalence, inter-definability of truth functions.	8
2. Arguments and argument-forms, decision procedures: truth-tables.	9
3. Analogy, Mill's methods of experimental enquiry.	9

4. The method of deduction in propositional logic:
introduction of rules & simple derivation. 9

Suggested Readings :

- I.M. Copi : Introduction to Logic (Hindi Translation Available)
A.H. Basson & : Introduction to Symbolic Logic.
D.J. O'Connor
Susan Stebbing: A Modern Introduction to Logic.

Paper II : Ethics (Indian and Western)

(Total Teaching Hrs.: 90)

Unit A: Indian Ethics

Teaching Hrs.: 40

Topic	Division of teaching hrs
1. Introduction : Concerns and presuppositions, theory of karma.	6
2. Dharma : its meaning, definition, classification; vidhi, nisedha & Arthavada : Purva Mimansa	8
3. Niskama Karma	5
4. Purusarthas and their inter-relations, purusartha sadhna.	6
5. Buddhist ethics : the four noble truths and the eight-fold path.	8
6. Jaina ethics : anuvratas and mahavratas.	7

Unit B: Western Ethics

Total Teaching Hrs.: 50

1. Nature and scope of ethics.	5
2. Introduction : concerns and presuppositions; free will.	5
3. Teleological ethics : egoism; hedonism; utilitarianism.	12
4. Deontological ethics : Kant.	8
5. Intuitionism (excluding Neo-...)	6
6. Virtue ethics : Socrates, Plato and Aristotle.	9
7. Theories of punishment.	5

Suggested Readings:

- I.C. Sharma : Ethical Philosophies of India.
S.K. Maitra : The Ethics of the Hindus.

Syllabus B.A. Part-II

Suma Dasgupta	:	Development of Moral Philosophy in India.
M. Hiriyana	:	The Indian Conception of Values.
P.V. Kane	:	The History of Dharmasastras Vol. I (Hindi translation available)
W. Lillie	:	An Introduction to Ethics.
Philippa Foot (ed.)	:	Theories of Ethics.
J.N. Sinha	:	A <u>Manual</u> of Ethics (Hindi translation available)
दिवाकर पांडेय	:	भारतीय नीतिशास्त्र
संगमलाल पांडेय	:	नीति दर्शन का सर्वेक्षण
वेदप्रकाश वर्मा	:	नीतिशास्त्र के मूल सिद्धान्त

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B. A. PART II HISTORY

Scheme :

Maximum Marks 200

Minimum Pass Marks 72

Paper I

3 hrs. duration

Marks 100

Paper II

3 hrs. duration

Marks 100

Note : There shall be two papers in all in the subject of History, and each paper shall be of three hours duration and of 100 marks. Each paper shall consist of two parts. Part I shall carry 40 marks and shall consist of two compulsory questions. There shall be twenty multiple choice objective type questions of one mark each in the first compulsory question consisting of 20 marks. The second compulsory question consisting of 20 marks will comprise of ten questions of two marks each. These will be short answer questions and answer of each question should be in not more than twenty words. Marks may be deducted if the word limit is exceeded. This part of the question paper will be given maximum one hour duration and shall relate to all the three sections covering thereby the entire course.

The second part of the question paper shall be divided into three sections comprising of 6 essay type questions, containing 2 questions from each section, of 20 marks each. Candidates will be required to attempt 3 questions, selecting one question from each section. This part of the question paper shall be of 60 marks.

परीक्षा योजना :

अधिकतम अंक 200

न्यूनतम उत्तीर्णांक 72

प्रथम प्रश्नपत्र

समय 3 घंटे

अंक 100

द्वितीय प्रश्नपत्र

समय 3 घंटे

अंक 100

नोट : इतिहास विषय के कुल दो प्रश्नपत्र होंगे, प्रत्येक प्रश्नपत्र तीन घंटे की अवधि का एवं 100 अंकों का होगा। प्रत्येक प्रश्नपत्र के दो भाग होंगे। प्रथम भाग 40 अंकों का होगा एवं इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंकों के प्रथम अनिवार्य प्रश्न में, एक-एक अंक के 20 बहुविकल्पीय प्रश्न होंगे। 20 अंकों के द्वितीय अनिवार्य प्रश्न के अन्तर्गत दो-दो अंकों के 10 प्रश्न होंगे। ये सीमित शब्द संख्या वाले प्रश्न होंगे और प्रत्येक प्रश्न का उत्तर अधिकतम 20 शब्दों में दिया जा सकता है। निर्धारित शब्द सीमा से

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अधिक शब्दों में उत्तर देने पर अंक काटे जा सकेंगे। प्रश्नपत्र के प्रथम भाग के लिए अधिकतम 1 घंटे की अवधि दी जायेगी तथा इस भाग के प्रश्न, 3 खण्डों में विभाजित सम्पूर्ण पाठ्यक्रम से सम्बन्धित होंगे।

प्रश्नपत्र के द्वितीय भाग में, पाठ्यक्रम के तीनों खण्डों में से, प्रत्येक से दो-दो प्रश्नों का चयन करते हुए, कुल 6 निबंधात्मक प्रकृति के प्रश्न होंगे। प्रत्येक प्रश्न 20 अंकों का होगा। परीक्षार्थियों को प्रत्येक खण्ड में से कम से कम एक प्रश्न का चयन करते हुए, कुल 3 प्रश्न हल करने होंगे। प्रश्नपत्र का यह भाग 60 अंकों का होगा।

PAPER I : HISTORY OF MEDIEVAL INDIA (c. 1200-1761 A. D)

Section - A

A survey of the sources of the period of Delhi Sultanate. Turkish invasions and Rajput resistance. Establishment and consolidation of Delhi Sultanate. Khalji imperialism and Tughlaq innovations. Growth of Provincial kingdoms. Contribution of Bahamani and Vijayanagar kingdoms.

Section - B

A survey of the sources of the Mughal period. Foundations of the Mughal Empire. Rise of Sher Shah Suri and his administration. Expansion and consolidation of the Mughal empire under Akbar. Role of Nur Jahan 'Junta' in Mughal politics. Mughal policy towards Rajputs, Sikhs, Deccan kingdom, Marathas, Persia and Central Asia. Religious policy of the Mughals. Rise of Shivaji and expansion of the Marathas upto 1761. Fall of the Mughal Empire.

Section - C

A critical evaluation of the main features and processes of the polity, society, economy and culture during medieval times (c. 1200-1761 A.D). Nature of State. Growth of administrative and agrarian systems. Economy : agriculture, industry, trade, banking, urban centres. Society : social classes - ulema, nobility, peasantry, slavery. Status of women. Bhakti Movement, Maharashtra Dharma, Sufism, Sikhism. Developments in art, architecture, and literature. Efforts at cultural synthesis and growth of composite culture.



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प्रथम प्रश्नपत्र : मध्यकालीन भारत का इतिहास (1200-1761 ईस्वी)

खण्ड - क

दिल्ली सल्तनत के काल के स्रोतों का सर्वेक्षण। तुर्की आक्रमण एवं राजपूत प्रतिरोध। दिल्ली सल्तनत की स्थापना एवं सुदृढीकरण। खलजी साम्राज्यवाद एवं तुगलकी नवप्रवर्तन। प्रांतीय राज्यों का उदय। बहमनी एवं विजयनगर राज्यों का योगदान।

खण्ड - ख

मुगल काल के स्रोतों का सर्वेक्षण। मुगल साम्राज्य की स्थापना। शेरशाह सूरी का उत्कर्ष एवं उसका प्रशासन। अकबर के अधीन मुगल साम्राज्य का विस्तार एवं सुदृढीकरण। मुगल राजनीति में नूरजहाँ 'जुन्ता' की भूमिका। राजपूतों, सिक्खों, दक्कनी राज्यों, मराठों, फारस एवं मध्य एशिया के प्रति मुगलों की नीति। मुगलों की धार्मिक नीति। शिवाजी का उत्कर्ष तथा 1761 ईस्वी तक मराठों का विस्तार। मुगल साम्राज्य का पतन।

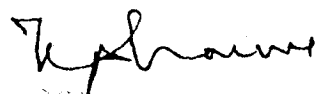
खण्ड - ग

मध्यकाल (1200 से 1761 ईस्वी) में राजशासन, समाज, अर्थव्यवस्था एवं संस्कृति की मुख्य विशेषताओं का आलोचनात्मक मूल्यांकन। राज्य की प्रकृति। प्रशासनिक एवं कृषिपरक व्यवस्थाओं का विकास। अर्थव्यवस्था : कृषि, उद्योग, व्यापार, बैंकिंग, नगरीय केन्द्र। समाज : सामाजिक वर्ग - उलेमा, कुलीन वर्ग, कृषक वर्ग, दासप्रथा। स्त्रियों की स्थिति। भक्ति आंदोलन, महाराष्ट्र धर्म, सूफीवाद, सिक्ख धर्म। कला, स्थापत्य एवं साहित्य की प्रगति। सांस्कृतिक समन्वय हेतु प्रयास एवं सम्मिश्र संस्कृति का विकास।

Books Recommended (अनुशंसित पुस्तकें) :

- K. S. Lal : *History of the Khaljis, Allahabad, 1960.*
: *Theory and Practice of Muslim State in India, Delhi, 1999*
- Hermann Kulke (ed.) : *The State in India, 1000-1700 A.D., Delhi, 1997*
- A. Mahdi Husain : *The Tughlaq Dynasty.*
: *The Rise and Fall of Muhammad Bin Tughlaq*
- Satish Chandra : *Medieval India - From Sultanate to the Mughals, Part I, Delhi Sultanate (1205-1526), Part II, Mughal Empire (1526-1748) Delhi, 1997 (also in Hindi).*
- K. M. Ashraf : *Life and Conditions of the People of Hindustan (1200-1550 A.D), Delhi, 1970.*
- R. P. Tripathi : *Rise and Fall of the Mughal Empire (also in Hindi), Allahabad, 1963*
: *Some Aspects of Muslim Administration, Allahabad, 1964*

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- Iqbal Raychaudhuri
& Irfan Habib (ed.) : *Cambridge Economic History of India, Vol. I, c. 1200-1750 A.D., Delhi, 1984*
- John F. Richards : *The Mughal Empire, Delhi, 1993*
- Jadunath Sarkar : *Mughal Administration, Delhi, 1972*
- Irfan Habib : *Agrarian System of Mughal India, 1526-1707, Mumbai, 1963*
- S. R. Sharma : *Religious Policy of the Mughal Empire (also in Hindi), Agra, 1972*
- Burton Stein : *Vijayanagar, 1989*
: *Peasant State and Society in Medieval South India, Delhi, 1980*
- H.K. Sherwani : *The Bahamani Kingdom*
- G. S. Sardesai : *New History of the Marathas, Vol. I*
- A. L. Srivastava : *Medieval Indian Culture (also in Hindi), Agra, 1964*
- राधेशरण : *मध्यकालीन भारत का सामाजिक एवं आर्थिक इतिहास, मध्यप्रदेश हिन्दी ग्रंथ अकादमी, भोपाल, 2000*
- राधेशरण : *मध्यकालीन भारत की सांस्कृतिक संरचना, मध्यप्रदेश हिन्दी ग्रंथ अकादमी, भोपाल, 1998*
- झारखण्ड चौबे एवं कन्हैयालाल श्रीवास्तव : *मध्ययुगीन भारतीय समाज एवं संस्कृति, उत्तरप्रदेश हिन्दी संस्थान, लखनऊ, चतुर्थ संस्करण, 2005*
- सतीश चन्द्र : *मध्यकालीन भारत : सल्तनत से मुगलों तक, भाग एक - दिल्ली सल्तनत (1206-1526), भाग दो - मुगल सल्तनत (1526-1748)*
- हरिश्चंद्र वर्मा (सं.) : *मध्यकालीन भारत, भाग-1 (750-1540), भाग -2 (1540-1761), हिन्दी माध्यम कार्यान्वयन निदेशालय, दिल्ली विश्वविद्यालय, दिल्ली*
- ए.एल. श्रीवास्तव : *मध्यकालीन भारतीय संस्कृति (अनुवाद)*
- घनश्याम दत्त शर्मा : *मध्यकालीन भारतीय सामाजिक, आर्थिक एवं राजनीतिक संस्थाएं, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर*

Irfan Habib

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PAPER II : MAIN TRENDS IN THE CULTURAL HISTORY OF INDIASection - A

Meaning of Culture. Essence and characteristics of Indian Culture. Religion and Culture : Vedic religion, Buddhism and Jainism, Vaishnavism and Saivism. Bhakti Movement. Islam and Sufism in India. Philosophy and Culture : Upanishadic thought, Bhagvadgita.

Section - B

Literature and Culture : significance of Ramayana, Mahabharata and Puranas. Contribution of Kalidas, Tulsidas, and Ravindranath Tagore. Social Institutions and Culture : Social ideals of ancient India - *varna, ashrama, samskaras, purushartha*. Social Reform Movements of the 19th and 20th centuries.

Section - C


Art and Culture : Characteristics of Indian Art. Styles of temple architecture. A brief study of temples at Abu, Khajuraho, Orissa, Pallava and Chola temples. Painting through the ages - rock paintings, Ajanta paintings, Mughal painting. Science and Culture : Contributions of Aryabhatta, Varahamihira, Charaka and Susruta.

द्वितीय प्रश्नपत्र : भारत के सांस्कृतिक इतिहास की मुख्य धाराएंखण्ड - क

संस्कृति का अर्थ। भारतीय संस्कृति का प्रधान तत्त्व एवं विशेषताएँ। धर्म एवं संस्कृति : वैदिक धर्म, बौद्ध धर्म एवं जैन धर्म, वैष्णव धर्म एवं शैव धर्म। भक्ति आंदोलन। भारत में इस्लाम एवं सूफी मत। दर्शन एवं संस्कृति : उपनिषदों का चिन्तन, भगवद्गीता।

खण्ड - ख

साहित्य एवं संस्कृति : रामायण, महाभारत एवं पुराणों का महत्त्व। कालिदास, तुलसीदास एवं रवीन्द्रनाथ टैगोर का योगदान। सामाजिक संस्थाएं एवं संस्कृति : प्राचीन भारत के सामाजिक आदर्श - वर्ण, आश्रम, संस्कार, पुरुषार्थ। 19वीं एवं 20वीं शताब्दी के समाज-सुधार आंदोलन।



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खण्ड - ग

कला एवं संस्कृति : भारतीय कला की विशेषताएं। मंदिर स्थापत्य की शैलियाँ। आबू, खजुराहो, उड़ीसा, पल्लव एवं चोल मंदिरों का संक्षिप्त अध्ययन। काल के प्रवाह में चित्रकला - शैल चित्रकला, अजंता चित्रकला, मुगल चित्रकला। विज्ञान एवं संस्कृति - आर्यभट्ट, वराहमिहिर, चरक एवं सुश्रुत का योगदान।

Books Recommended (अनुशंसित पुस्तकें) :

G. C. Pande	:	<i>Foundations of Indian Culture, Vol. I and II</i>
	:	<i>Meaning and Process of Culture</i>
R. G. Bhandarkar	:	<i>Vaishnavism, Saivism and other Minor Religious Systems.</i>
Rajbali Pandey	:	<i>Hindu Samskara (The Social and Religious Study of the Hindu Sacraments), (also in Hindi), Varanasi</i>
A. L. Srivastava	:	<i>Medieval Indian Culture (also in Hindi).</i>
V.S. Agrawala	:	<i>Indian Art, Varanasi</i>
Krishna Dev	:	<i>Temples of North India (also in Hindi), NBT, New Delhi</i>
K. R. Srinivasan	:	<i>Temples of South India (also in Hindi), NBT, New Delhi</i>
A. L. Basham	:	<i>The Wonder that was India (also in Hindi)</i>
	:	<i>The Cultural History of India (ed.)</i>
गोविन्दचन्द्र पाण्डे	:	भारतीय परम्परा के मूल स्वर, नई दिल्ली, 1993
	:	भारतीय समाज - तात्त्विक और ऐतिहासिक विवेचन, नई दिल्ली, 1994
एन.के. देवराज	:	भारतीय दर्शन, लखनऊ, 1963
राजबली पांडे	:	हिन्दू संस्कार, वाराणसी
जयशंकर मिश्र	:	प्राचीन भारत का सामाजिक इतिहास, पटना, 1999
ए.एल. श्रीवास्तव	:	मध्यकालीन भारतीय संस्कृति (अनुवाद)
वासुदेव शरण अग्रवाल	:	भारतीय कला
पृथ्वीकुमार अग्रवाल	:	प्राचीन भारतीय कला एवम् वास्तु, विश्वविद्यालय प्रकाशन, वाराणसी, 2002
कृष्णदेव	:	उत्तर भारत के मंदिर, नेशनल बुक ट्रस्ट, नई दिल्ली
के.आर. श्रीनिवासन	:	दक्षिण भारत के मंदिर, नेशनल बुक ट्रस्ट, नई दिल्ली
सत्य प्रकाश	:	प्राचीन भारतीय विज्ञान की परम्परा
ए.एल. बाशम	:	अद्भुत भारत (अनुवाद)

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POLITICAL SCIENCE

परीक्षा योजना:-

न्यूनतम उत्तीर्णांक-72

प्रथम प्रश्न-पत्र

द्वितीय प्रश्न-पत्र

समय 3 घंटे

समय 3 घंटे

अधिकतम अंक-200

टंक-100

टंक-100

नोट: राजनीति विज्ञान के दो प्रश्न-पत्र होंगे। प्रत्येक प्रश्न-पत्र 3 घण्टों में विभाजित होगा।

प्रश्न-पत्र के दो भाग होंगे। प्रथम भाग 40 अंकों का होगा। इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंकों के एक प्रश्न में, एक-एक अंक के 20 बहुविकल्पीय प्रश्न होंगे। 20 अंकों का द्वितीय प्रश्न सीमित शब्द संख्या वाले प्रश्नों का होगा। इस प्रश्न के अंतर्गत दो-दो अंकों के 10 प्रश्न होंगे। प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20 शब्दों में देना होगा। निर्धारित शब्द सीमा से अधिक शब्दों में उत्तर देने पर अंक काटे जा सकेंगे। प्रश्न-पत्र के लिए निर्धारित कुल 3 घण्टों की अवधि में से अधिकतम 1 घण्टे की अवधि प्रश्न-पत्र के इस भाग के लिए निर्धारित होगी।

प्रश्न-पत्र के इस प्रथम भाग के दोनों प्रश्न, 3 खण्डों में विभाजित पाठ्यक्रम के तीनों खण्डों से संबंधित होंगे। प्रश्न-पत्र के इस भाग में पूरे पाठ्यक्रम के प्रश्न होंगे।

प्रश्न-पत्र के द्वितीय भाग में पाठ्यक्रम के तीनों खण्डों में से प्रत्येक में से दो-दो निबंधात्मक प्रकृति के प्रश्न होंगे। परीक्षार्थियों को प्रत्येक खण्ड में से कम से कम एक प्रश्न का चयन करते हुए कुल 3 प्रश्न हल करने होंगे। प्रत्येक प्रश्न 20 अंकों का होगा। प्रश्न-पत्र का यह भाग 60 अंकों का होगा।

Note: There shall be two papers in all, and each paper shall be of three hours duration and of 100 marks. Each paper shall consist of two parts. Part I shall carry 40 marks and shall consist of two compulsory questions. There shall be twenty multiple choice objective type questions of one marks each in the first compulsory question. The second compulsory question will comprise ten questions of two marks each. These will be short answer questions and answers of each question should be in not more than twenty words. Marks may be deducted if the word limit is exceeded. This part of the question paper will be given maximum one hour duration and shall relate to all the three sections covering thereby the entire course.

The second part of the question paper shall be divided into three sections comprising 6 essay type questions of 20 marks each. Candidates will be required to attempt 3 questions, selecting one question from each section. This part of the question paper shall be of 60 marks.

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प्रथम प्रश्न-पत्र: प्रमुख राजनीतिक व्यवस्थाएँ

विद्यार्थियों से अग्रिकित देशों की राजनीतिक प्रणालियों के महत्वपूर्ण पक्षों का विश्लेषणात्मक और तुलनात्मक दृष्टिकोण से अध्ययन करने की अपेक्षा की जायेगी।

खण्ड 'ख'

यू.के. व जापान,

खण्ड 'ब'

संयुक्त राज्य अमेरिका व स्विट्जरलैण्ड

खण्ड 'ग'

चीन जनवादी गणराज्य (Peoples Republic of China), फ्रांस एवं पाकिस्तान

अनुशंसित पुस्तकें:-

1. इकबाल नारायण : विश्व के संविधान
2. प्रभुदत्त शर्मा : संविधानों की दुनिया
3. बाबूलाल फडिया : विश्व के प्रमुख संविधान
4. पी.के. चड्ढा : विश्व के प्रमुख संविधान
5. पुखराज जैन : विश्व के प्रमुख संविधान
6. ए.सी. कपूर : मेजर कान्स्टीट्यूशन्स।

Paper-I : Selected Political Systems

Students will be expected to study the salient aspects of the political systems of the following countries with an analytical and comparative perspective.

Section- A

U.K. and Japan.

Section- B

U.S.A. and Switzerland

Section- C

Peoples Republic of China, France and Pakistan

Suggested Readings:

- Ogg & Zink : Modern Foreign Governments.
- Babulal Fadia : Vishwa Ke Pramukha Samvidhan.

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- Iqbal Narain : Vishwa Ke Samvidhan.
- Chaddha, P.K. : Vishwa Ke Pramukh samvidhan (Adarsh Prakashan, Chaura Rasta, Jaipur).
- A.C. Kapoor : Major Constitutions.

द्वितीय प्रश्न-पत्र: भारतीय राजनीतिक व्यवस्था

खण्ड 'क'

भारत में राष्ट्रीय आंदोलन-भारत में राष्ट्रवाद का उदय, भारतीय राष्ट्रीय कांग्रेस एवं मुस्लिम लीग की स्थापना, उदारवादी और उग्रवादी, गांधी व राष्ट्रीय आंदोलन, भारत में संवैधानिक विकास, भारत शासन अधिनियम, 1919 (द्वैध शासन के विशिष्ट संदर्भ में), भारत शासन अधिनियम, 1935 (प्रांतीय स्वायत्तता के विशिष्ट संदर्भ में), संविधान निर्माणी सभा।

खण्ड 'ख'

संविधान की प्रस्तावना संघीय व्यवस्था, मूल अधिकार, राज्य नीति के निदेशक तत्त्व, संघीय कार्यपालिका राष्ट्रपति, प्रधानमंत्री व मंत्रिपरिषद्, संघीय संसद, उच्चतम न्यायालय व न्यायिक पुनरावलोकन, संविधान में संशोधन की प्रक्रिया, संघ-राज्य सम्बन्ध

खण्ड 'ग'

राज्यों का शासन, राज्य व्यवस्थापिका, राज्य कार्यपालिका राज्यपाल मुख्यमंत्री एवं मंत्री परिषद् कतिपय राज्यों को विशेष दर्जा और उसके प्रभाव, (दलीय व्यवस्था, भारत में पंथनिरपेक्षता की प्रकृति) भारतीय राजनीतिक व्यवस्था के सन्मुख प्रमुख चुनौतियाँ-क्षेत्रवाद, जातिवाद, साम्प्रदायिकता, नक्सलवाद, आतंकवाद।

Paper-II : Indian Political System

Section- A

National Movement in India, Rise of Nationalism in India; Foundation of the Indian National congress and Muslim League, Moderates and Extremists, Gandhi and National Movement.

Constitutional Development in India : Government of India Act 1919 (with special reference to Dyarchy) and Government of India Act 1935 (with special reference to Provincial Autonomy) Constituent Assembly.

Section C
Under
DA

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Section- B

Preamble of the Constitution Federal system; Fundamental Rights, Directive Principles of State Policy, Union Executive President, Prime Minister and the Council of Ministers. Union Parliament, Supreme Court and Judicial Review. Method of Amendment in the Constitution

Section- C

Party System: Nature of Secularism in India Governance of States : State Legislative; State Executive Governor; Chief Minister, Council of Minister Special status to certain states and its implications : Major challenges facing the Indian Political System : Regionalism; Casteism, Communalism, Naxalism and Terrorism

Suggested Readings :

- N.D. Palmer : The Indian Political System, Houghton Miffling, Boston, 1971
- Rajni Kothari : Bharat Mein Rajniti (Orient Longmans, New Delhi, 1972).
- R.L. Hardgrave, Jr. : Indian Government and Politics (Harcourt, Brance and World, Inc., New York, 1970)
- Roy, M.P. : Bhartiya Rajya Vyavastha.
- Govind Ram : Bhartiya Rajya Vyavastha.
- B.L. Fadia : Bhartiya Rajya Vyavastha.
- Chaddha, P.K. : Bhartiya Rajnitik Pranali (Adarsh Prakashan Chaura Rasta, Jaipur)

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PUBLIC ADMINISTRATION

Scheme :	Min. Pass Marks : 72	Max. Marks : 200
Paper-I	3 hrs. duration	100 Marks
Paper-II	3 hrs. duration	100 Marks

Note : There shall be two papers in all, and each paper shall be of three hours duration and of 100 marks. Each paper shall consist of two parts. The first part consisting of two compulsory questions carry 40 marks. There shall be twenty multiple choice objective type questions of one mark each in the first compulsory question. The second compulsory question will comprise ten questions of two marks each. These will be short answer questions and answer of each question should be in not more than twenty words. Marks may be deducted if the word limit is exceeded. This part of the questions paper will be given maximum one hour duration and shall relate to all the three sections covering thereby the entire course.

The second part of the question paper shall be divided into three sections comprising 6 essay type questions of 20 marks each. Candidates will be required to attempt 3 questions, selecting one question from each section. This part of the question paper shall be of 60 marks.

Syllabus

Paper-I : Administrative Institutions in India

Section - A

Administrative Institutions in a Democratic and Socialist Society. The concepts of *Loissez Faire*, Welfare State and Administrative State.

Organization of Government : Legislature—its role and reasons of decline in modern times; Executive : Types and Relationship with Legislature.

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Judiciary : Functions and Role with special reference to the Power of Judicial Review, Judicial Activism.

Section - B

Democracy and Administration, Features of Democratic Administration. Role of Bureaucracy, Political Parties and Pressure Groups and their interaction with each other.

Organization and administrative working of Finance Commission, Planning Commission of India and the National Development Council. Election Commission and the administration of elections in India.

Section - C

Organization and working of following Administrative Institutions :

(1) University Grants Commission, (2) U.P.S.C., (3) Railway Board, (4) Reserve Bank of India, (5) Central Social Welfare Board.

Books Recommended :

A. Core Books :

1. Waldo : Administrative State.
2. Field : Government in Modern Society.
3. Paranjape : Planning Commission.
4. I.I.P.A. : Organisation of the Government of India.
5. जियाउद्दीन खां एवं अंतर सिंह : प्रशासनिक संस्थाएँ
6. Dr. H.C. Sharma : Prashasnik Sansthayen.
7. Report of Finance Commission of India.
8. M.G. Gupta : Modern Government.

B. Books for Reference :

1. Garbin : Systematic Politics.
2. Salt : Political Institution : A Preface.

C. Journal :

1. Indian Journal of Public Administration, New Delhi.

स्कीम :

दो प्रश्न पत्र	न्यूनतम उत्तीर्णांक : 72	अधिकतम अंक : 200
प्रथम प्रश्न पत्र	3 घंटे की अवधि	100 अंक
द्वितीय प्रश्न पत्र	3 घंटे की अवधि	100 अंक

नोट—कुल दो प्रश्न-पत्र होंगे। प्रत्येक प्रश्न-पत्र की अवधि तीन घण्टे होगी तथा अधिकतम 100 अंक होंगे। प्रश्न-पत्र के दो भाग होंगे। प्रथम भाग 40 अंकों का होगा। इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंकों के एक प्रश्न में, एक-एक अंक के 20 बहुविकल्पीय प्रश्न होंगे। 20 अंकों का द्वितीय प्रश्न सीमित शब्द संख्या वाले प्रश्नों का

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होगा। इस प्रश्न के अंतर्गत दो-दो अंकों के 10 प्रश्न होंगे। प्रत्येक प्रश्न का एक उत्तर परीक्षार्थी को अधिकतम 20 शब्दों में देना होगा। निर्धारित शब्द सीमा से अधिक शब्दों में उत्तर देने पर अंक काटे जा सकेंगे। प्रश्न-पत्र के लिए निर्धारित कुल 3 घण्टों की अवधि में अधिकतम 1 घण्टे की अवधि प्रश्न-पत्र के इस भाग के लिए निर्धारित होगी।

प्रश्न-पत्र के इस प्रथम भाग के दोनों प्रश्न, 3 घण्टों में विभाजित पाठ्यक्रम के तीनों खण्डों से संबंधित होंगे अर्थात् प्रश्न पत्र के इस भाग में पूरे पाठ्यक्रम से संबंधित प्रश्न होंगे।

प्रश्न पत्र के द्वितीय भाग में, पाठ्यक्रम के तीनों खण्डों में से प्रत्येक में से दो-दो निबन्धात्मक प्रकृति के प्रश्न होंगे। परीक्षार्थियों को प्रत्येक खण्ड में से कम से कम एक प्रश्न का चयन करते हुए कुल 3 प्रश्न करने होंगे। प्रत्येक प्रश्न 20 अंकों का होगा। प्रश्न पत्र का यह भाग 60 अंकों का होगा।

पाठ्यक्रम :

प्रथम खण्ड

प्रजातांत्रिक तथा समाजवादी समाज में प्रशासनिक संस्थाएँ, अहस्तक्षेपवादी राज्य, कल्याणकारी राज्य तथा प्रशासकीय राज्य की अवधारणाएँ, सरकार का संगठन : व्यवस्थापिका—इसकी भूमिका तथा आधुनिक समय में इसके हास के कारण; कार्यपालिका प्रकार तथा व्यवस्थापिका से सम्बन्ध; न्यायपालिका : कार्य तथा भूमिका-न्यायिक पुनरावलोकन की शक्ति के विशेष संदर्भ में, न्यायिक सक्रियता।

द्वितीय खण्ड

लोकतंत्र तथा प्रशासन, लोकतांत्रिक प्रशासन के लक्षण, नौकरशाही की भूमिका। राजनीतिक दल तथा दबाव समूह तथा इनकी पारस्परिक अन्तर्क्रिया, भारत में वित्त आयोग, योजना आयोग तथा राष्ट्रीय विकास परिषद का संगठन व प्रशासनिक कार्य प्रणाली, निर्वाचन आयोग तथा भारत में निर्वाचन का प्रशासन।

तृतीय खण्ड

निम्नांकित प्रशासनिक संस्थाओं का संगठन तथा कार्य प्रणाली : 1. विश्वविद्यालय अनुदान आयोग, 2. संघ लोक सेवा आयोग, 3. रेलवे बोर्ड, 4. भारतीय रिजर्व बैंक, 5. केन्द्रीय समाज कल्याण बोर्ड।

अनुशंसित पुस्तकें :

(अ) मुख्य पुस्तकें :

1. वाल्डो : एडमिनिस्ट्रेटिव स्टेट
2. फील्ड : गवर्नमेंट इन मॉडर्न सोसायटी
3. परांजपे : प्लानिंग कमीशन
4. आई.आई.पी.ए. : ऑर्गेनाइजेशन ऑफ द गवर्नमेंट ऑफ इण्डिया।

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5. जियाउद्दीन खां एवं अंतर सिंह : प्रशासनिक संस्थाएँ
6. डॉ. एच.सी. शर्मा : प्रशासनिक संस्थाएँ
7. रिपोर्ट ऑफ फाइनेन्स कमीशन ऑफ इंडिया
8. एम.जी. गुप्ता : मॉडर्न गवर्नमेंट

(ब) संदर्भ पुस्तकें :

1. गार्बिन : सिस्टेमेटिक पॉलिटिक्स
2. साल्ट : पॉलिटिकल इन्स्टीट्यूशन : ए प्रीफेस

(स) पत्रिकाएँ

1. इंडियन जर्नल ऑफ पब्लिक एडमिनिस्ट्रेशन, नई दिल्ली।

Paper-II : State Administration in India

Section - A

Present Status of State Administration in India. General background of State Administration in India. States with special reference to the State of Rajasthan.

The Office of the Governor—Powers, Functions and Role in State Administration, Relationship with Council of Ministers.

The Office of the Chief Minister—Powers, Functions, Role and Importance of the Office, Relationship with Council of Ministers.

Organization of the State Secretariat. Organization and working of the Departments of Home, Finance and Agriculture in Rajasthan. Chief Secretary—its Role and Significance in State Administration.

Section - B

Organization and working of the following Boards Companies and Directorates in the State of Rajasthan :

- (a) Revenue Board
- (b) Rajasthan State Electricity : Companies
- (c) Directorate of Agriculture
- (d) Directorate of Education.

Section - C

Personnel Administration : Role of the State Civil Services in Rajasthan (R.A.S., R.P.S. etc.), Organization and working of the Rajasthan Public Service Commission, Training of State Civil Services, Organisation and Functions of State Training Institutes in Rajasthan, Rajasthan Civil Service, Appellate Tribunal.

District Administration : Organization of District Administration. District Collector : Functions and Position.

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Revenue Administration at the District and below level, the role of S.D.O., Tehsildar and Patwaris.

Books Recommended :

A. Core Books :

1. S.R. Maheshwari : Indian Administration.
2. S.S. Khera : District Administration in India.
3. M.V. Pylee : Indian Constitution (Hindi also).
4. A.R.C. : Report on State Administration.
5. A. Zabier & Gupta : Organization of Government of Uttar Pradesh.
6. Dr. H.C. Sharma : Bharat Mein Rajya Prashasan.
7. सी.एम. सिंह एवं अन्य : राजस्थान में राज्य प्रशासन।

B. Reference Books :

1. D.P. Singh : Readings in Indian Administration.
2. S.L. Verma : Revenue Board in Rajasthan.
3. I.I.P.A. : Revenue Board.
4. Rajasthan Government Secretariat Manual.
5. Rajasthan Government : Report of Administrative Reforms Committee (Mathur Committee Report, 1963).
6. Rajasthan Government : Report of the Committee on Training, 1963.
7. H.C.M. Institute : Management of Higher Personnel of Public Administration.
8. I.I.P.A. : Indian Journal of Public Administration (State Administration Special Number July-September, 1976).
9. J.D. Shukla : State and District Administration in India.
10. B. Mehta : Dynamics of State Administration.
11. Annual Report of the Departments of the Government of Rajasthan, Jaipur.

C. Journals :

1. Indian Journal of Public Administration (New Delhi).
2. Prashashnika : H.C.M.R.I.P.A., Jaipur.
3. Management in Government, Delhi.

पाठ्यक्रम :

द्वितीय प्रश्न पत्र : भारत में राज्य प्रशासन

प्रथम खण्ड

भारत में राज्य प्रशासन की वर्तमान स्थिति, राजस्थान के विशेष संदर्भ में, भारत में



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राज्य प्रशासन की सामान्य पृष्ठभूमि। राज्यपाल : कार्य, शक्तियाँ तथा राज्य प्रशासन में भूमिका, मंत्रिपरिषद् से संबंध। मुख्यमंत्री : शक्तियाँ, कार्य, भूमिका तथा इस पद का महत्त्व व मंत्रिपरिषद् से संबंध।

राज्य सचिवालय का संगठन, राजस्थान में गृह, वित्त तथा कृषि विभाग का संगठन तथा कार्यप्रणाली, मुख्य सचिव : राज्य प्रशासन में इसकी भूमिका तथा महत्त्व।

द्वितीय खण्ड

राजस्थान में निम्नलिखित मण्डलों, कम्पनियों तथा निदेशालयों का संगठन एवं कार्यप्रणाली :

(अ) राजस्व मण्डल

(ब) राजस्थान राज्य विद्युत कम्पनियाँ

(स) कृषि निदेशालय

(द) शिक्षा निदेशालय

तृतीय खण्ड

सेवीवर्गीय प्रशासन : राजस्थान राज्य में लोक सेवाओं (आर.ए.एस., आर.पी.एस. इत्यादि) की भूमिका, राजस्थान लोक सेवा आयोग का संगठन तथा कार्यप्रणाली, राज्य लोक सेवाओं का प्रशिक्षण, राजस्थान में राज्य प्रशिक्षण संस्थानों का संगठन एवं कार्य; राजस्थान सिविल सेवा अपीलीय न्यायाधिकरण जिला प्रशासन, जिला प्रशासन का संगठन, जिलाधीश—कार्य तथा पद स्थिति, जिला एवं अधीनस्थ स्तरीय राजस्व प्रशासन; एस.डी.ओ., तहसीलदार तथा पटवारी की भूमिका।

अनुशंसित पुस्तकें :

(अ) मुख्य पुस्तकें—

1. एस.आर. माहेश्वरी : इण्डियन एडमिनिस्ट्रेशन
2. एस.एस. खेरा : डिस्ट्रिक्ट एडमिनिस्ट्रेशन इन इंडिया
3. एम.वी. पायली : इंडियन कॉस्टीट्यूशन (हिन्दी संस्करण भी)
4. ए.आर.सी. : रिपोर्ट ऑन स्टेट एडमिनिस्ट्रेशन
5. ए. जबीर एवं गुप्ता : उत्तर प्रदेश सरकार का संगठन
6. डॉ. एच.सी. शर्मा : भारत में राज्य प्रशासन
7. डॉ. सी.एम. सिंह एवं अन्य : राजस्थान में राज्य प्रशासन
8. रमेश के. अरोड़ा व गीता चतुर्वेदी : राज्य प्रशासन
9. सुरेन्द्र कटारिया : राज्य प्रशासन

(ब) संदर्भ पुस्तकें :

1. डी.पी. सिंह : रीडिंग्स इन इंडियन एडमिनिस्ट्रेशन
2. एस.एल. वर्मा : रेवेन्यू बोर्ड इन राजस्थान

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3. आई.आई.पी.ए. : रेवेन्यू बोर्ड
4. राजस्थान गवर्नमेंट सैक्रेटेरिएट मैनुअल
5. राजस्थान गवर्नमेंट रिपोर्ट ऑफ एडमिनिस्ट्रेटिव रिफार्म्स कमेटी (माथुर कमेटी)
6. राजस्थान गवर्नमेंट : रिपोर्ट ऑफ दी कमेटी ऑन ट्रेनिंग, 1963
7. एच.सी.एम. इंस्टीट्यूट : मैनेजमेंट ऑफ हायर पर्सोनेल ऑफ पब्लिक एडमिनिस्ट्रेशन
8. आई.आई.पी.ए. : इंडियन जनरल ऑफ पब्लिक एडमिनिस्ट्रेशन स्पेशल नम्बर; जुलाई-सितम्बर, 1976
9. जे.डी. शुक्ला : स्टेट एण्ड डिस्ट्रिक्ट एडमिनिस्ट्रेशन इन इंडिया
10. बी. मेहता : डायनेमिक्स ऑफ स्टेट एडमिनिस्ट्रेशन
11. एनुअल रिपोर्ट ऑफ द डिपार्टमेंट ऑफ द गवर्नमेंट ऑफ राजस्थान, जयपुर

(स) पत्रिकाएँ :

1. इंडियन जर्नल ऑफ पब्लिक एडमिनिस्ट्रेशन (नई दिल्ली)
2. प्रशासनिका : एच.सी.एम. रीपा, जयपुर
3. मैनेजमेंट इन गवर्नमेंट, दिल्ली

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DRAWING AND PAINTING

Scheme :

Theory

Paper-I History of Indian Painting and Sculpture

3 hours duration Max. Marks : 90 Min. Pass Marks : 32½

Paper-II : Part A—Study from Life in full

Part B—Design

6 hours duration Max. Marks : 90 Min. Pass Marks : 32½

Submission of Practical Works : Max. Marks 20 Min. Pass Marks :

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Note : Each paper will contain nine questions having three questions in each section. Candidates are required to attempt five questions in all selecting atleast one question from each section.

Paper-I : History of Indian Painting & Sculpture

Section - A

1. Pre-Historic painting, Ajanta painting and six limbs of Indian painting.

2. Jain painting, Rajasthani painting, Mughal painting and Pahari painting.

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Section - B

Patna Painting Artists.

Raja Ravi Verma, Yamini Roy, Ravindra Nath Tagore, Amrita Shergil, Modern Indian Trends upto 1947. Bandre, Hussain, Hebbar, Ram Kumar and Ram Gopal Vijayvargiya.

Section - C

Medieval Period. Mt. Abu, Chittoregarh, Khajuraho, Konark, Bhuvaneshwara, Meenakshi and Halebid temples.

South Indian Bronzes—Nat Raj and other Sculptures.

Modern Period—Changes in Modern styles and few main artists like Shankho Choudhary, Devi Prasad Rai Choudhary. Dhan Raj Bhagat, Ram Kinkar Baij.

Books Recommended :

1. Saga of Indian Sculpture : K.M. Munshi.
2. Studies in Indian Art : V.S. Agrawal.
3. Central Lalit Kala Akadami Publications on Artists.
4. South Indian Bronzes : Shri Ram Murti.
5. History of Fine Arts in India & Ceylon : Vincent A. Smith.
6. History of Indian & Indonesian Art : A.K. Coomaraswamy.
7. Indian Painting : Percy Brown.
8. Indian Sculpture and Painting : Karl Khandelwal.
9. Survey of Indian Sculpture : S.C. Saraswati.
10. Bhartiya Chitrakala : Krishandas.
11. Bhartiya Murtikala : Krishandas.
12. Kala Vikas : Dr. R. Agrawal, Loyal Book Depot, Meerut.
13. Bhartiya Chitrakala : Vachaspati Gerola : Mitra Prakashan, Allahabad.
14. Fundamental of Indian Arts : S. Das Gupta, Bhartiya Vidya Bhavan, Bombay.

Paper-II Part-A : Study from Life in full

Medium-Pencil or Monochrome Size ½ imperial

Duration : 4 hrs.

Max. Marks : 60

Study from life (full figure) showing broad masses of light and shade, clearly bringing out the modelling of the figure and drapery.

Part-B : Design

Two Dimensional designs should be made giving stress on composition, stylization, colour scheme and texture. Incorporate human forms in this creative designing.

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Duration : 2 hrs.

Max. Marks : 30

Books Recommended :

1. Anatomy and Drawing by Victor Perard, Publisher J.V. Navlakhi, Bombay.
2. Human figure by Vanderpol, Publisher J.V. Navalkhi, Bombay.

Note : Life Model will sit in front of the candidate for four hours with a rest of 10 minutes when required by the model. First session of four hours should be devoted for the study from life. There will be a break of one hour after first session. Second session will be of two hours for pictorial composition. Both the parts be completed on the same day. The student should be allowed to use any style of composition in the examination.

Submission of Practical Work :

Max. Marks : 20

Min. Pass Marks : 7

- (a) Five plates—Study from Life
- (b) Five plates—Pictorial Composition
- (c) A sketch book of not less than 25 sketches.

Instructions for submission :

Note : Submission work will be submitted to the Head of the Department of Drawing & Painting of the College fifteen days before the commencement of Examination. The marks in the submission will be awarded by the subject teacher (internal). However, the external examiner shall be empowered to review the work of the submission in case there is a drastic difference between the marks of the examination and submission. Submission work will be retained till the declaration of the result and returned to the candidates from the Department thereafter. If no claim is made within two months of the declaration of the result, the submission will be destroyed.

Note :

- (a) Candidate should pass in theory as well as in practical paper separately.
- (b) There should be minimum 12 periods for the regular students including three periods for sketching.
- (c) The departments should also arrange for an educational tour to ancient art centers like Ajanta, Ellora, Elephanta, Khajuraho, Mahabalipuram, etc. once a year.
- (d) Practical examination will be conducted at the center and the practical work will be examined like the practical papers of

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Syllabus B.A. Part-II

Music or Home Science which means that an external examiner will examine the answer books in consultation with an internal examiner who is the subject teacher of the Department of Drawing & Painting. University may centralize the Practical examination at few well equipped Departments to hold the examinations economically.

- (e) If a candidate fails in any one part of the practical and declared supplementary in the subject, he/she will have to appear in both the part of the Practical in Supplementary examination.

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SOCIOLOGY

Scheme :	Min. Pass Marks : 72	Max. Marks : 200
Paper-I	3 hrs. duration	Max. Marks : 100
Paper-II	3 hrs. duration	Max. Marks : 100

Note : There shall be two papers in all, and each paper shall be of three hours duration and of 100 marks. Each paper shall consist of two parts. The first part consisting of two compulsory questions carry 40 marks. There shall be twenty multiple choice objective type questions of one mark each in the first compulsory question. The second compulsory question will comprise ten questions of two marks each. These will be short answer questions and answer of each question should be in not more than twenty words. Marks may be deducted if the word limit is exceeded. This part of the questions paper will be given maximum one hour duration and shall relate to all the three sections covering thereby the entire course.

The second part of the question paper shall be divided into three sections comprising 6 essay type questions of 20 marks each. Candidates will be required to attempt 3 questions, selecting one question from each section. This part of the question paper shall be of 60 marks.

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Paper I - Social Research Methods

Unit I: Scientific Study of Social Phenomena

The scientific method, Steps in Social Research, Objectivity and subjectivity in social science

Hypothesis; Sources & Types

Types of Research: Basic and Applied; Historical and Empirical
Descriptive, Exploratory, Explanatory, Experimental

Unit II: Research Methods and Techniques:

Quantitative and Qualitative methods

Qualitative techniques: Observation, Case Study, Content Analysis

Quantitative techniques: Survey, Questionnaire, Schedule and Interview Guide

Unit III: Classification and presentation of data

Sources of Data: Primary and Secondary.

Tables, Graphs, Histograms, Measures of central tendency

References :

- Bajaj and Gupta. 1972. Elements of Statistics. New Delhi: R.Chand and Co.
Beteille, A and T.N.Madan. 1975. Encounter and Experience: Personal Accounts of Fieldwork. New Delhi: Vikas Publishing House.
Bryman, Alan. 1988. Quality and Quantity in Social Research. London: Unwin Hyman.
Garrett, Henry. 1981. Statistics in Psychology and Education. David McKay. Indian Publication - Mrs.A.F. Sheikh For Vakils, Bombay, Tenth Reprint.
Jayaram, N. 1989. Sociology: Methods and Theory. Madras: MacMillan.
Kothari, C.R. 1989. Research Methodology: Methods and Techniques, Bangalore, Wiley Eastern.
Punch, Keith. 1996. Introduction to Social Research. London: Sage.
Shipman, Martin. 1988. The Limitations of Social Research. London: Sage.
Srinivas, M.N. and A.M.Shah. 1979. Fieldworker and The Field. Delhi: Oxford.
Young, P.V. 1988. Scientific Social Surveys and Research

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Paper II - Rural sociology

Unit I : Introduction to Rural Sociology

Nature, Scope and subject matter of Rural Sociology, Importance of the study of Rural Society.

Basic concepts: Peasant Society, Agrarian Society, Parochilization, Universalization, little and great tradition, Rural-Urban Continuum

Unit II : Social Structure of Rural India

Family, Caste, Kinship, Religion

Power relation and rural polity

Caste Panchayats

Unit III : Rural Transformation in India

Panchayati Raj, 73rd Ammendment, Community Development Programme, Green Revolution and its Impact

Globalization & its impact on agriculture

ESSENTIAL READINGS:

A.R.Desai 1959 Rural Sociology India, Popular Prakashan, Bombay.

Rao M.S.A. 1974 Urban sociology in India, Orient Longman, New Delhi.

A.R.Desai 1979 Rural India in Transition, Popular Prakashan, Bombay.

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Alfred D' souza 1978 The Indian City; Poverty , Ecology and Urban development, Manohar, New Delhi.

Ramakrishna Mukarjee The dynamics of rural society, Berlin A C. Mukherjee 1957

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SYLLABUS FOR THE SECOND YEAR B.A. IN FRENCH

Scheme of examination: two written papers of 75 mark each & one ~~viva-voce~~ of 50 marks. A candidate has to secure 36% marks in individual papers to declare her/him pass.

PAPER - I	MAX MARKS:	75
PAPER - II	MAX MARKS:	75
PAPER - III	MAX MARKS:	50
<u>Total Marks :</u>		<u>200</u>

PAPER - I: GRAMMAR & QUESTIONS FROM THE TEXT	75
(a) Grammar: Covered in the book	45
(b) Answer the questions based on the text given below	30

(PASSAGE MUST BE TAKEN FROM THE TEXT BOOK)

PAPER II

Max marks 75

Time 3Hrs

The paper will be called :-

French through texts

Use of Dictionary is allowed

It will consist of four parts:

A. Press articles/passages

20 marks (summarize two press articles in your

own words in French 10x2)

B. Literary extracts/short stories(two)
each literary texts)

20 marks (5 questions of 2 marks each on the

C. Poems

20 marks (5 questions of 2 marks each on each poem)

Demain dès l'aube

Victor Hugo

Le dormeur du val

Arthur Rimbaud

L'invitation au voyage

Charles Baudelaire

Le Bonheur

Paul Fort

Quand tu dors

Jaques Prévert

D. Essay:

15marks

Write an essay of about 250-300 words on one of the five topics given like

An excursion, Importance of learning foreign languages, Advantages of joint family,

My favourite author/book, My country, festival of my choice, Mass media; advantages and disadvantages.

PAPER - III VIVA -VOCE

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Teaching Material / Books:

1. Version Originale I – II
2. Méthode de Français - Editions maison des langues.
3. Version Originale I - Workbook Vol: II
4. One Compact Disc Level-1 to go with the method.

Reference Books:

1. Synchronie-II
2. Le Robert Mini-Dictionnaire: French-French
3. Collection « Progressive du Français »
Exercices communicatifs: Level - Intermediate
4. Vocabulaire progressif – Advance
Grammaire Collection « Le Nouvel Entraînez – vous » Intermediate Level

16. HOME SCIENCE

Scheme :

Min. Pass Marks : 72

Max. Marks : 200

	Min. Pass Marks	Max. Marks	Hrs.	No. of Period Pre-Week
Paper - I (Theory)	18	50	3 hrs.	4
Paper - II (Theory)	27	75	3 hrs.	5
Practicals :				
1. First aid and Home Nursing	9	25	3 hrs.	2
2. Clothing	18	50	3 hrs.	4

Note : Each theory paper will contain nine questions having

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three questions in each section. Candidates are required to attempt five questions in all selecting atleast one question from each section.

Paper-I : Community Health and Family Welfare

Section-A

1. Introduction : Concept of positive health including physical, mental and social health.

2. Environmental Sanitation : Sources of water-supply and its purification, water works sanitation, different types of disposal of wastes. Impurities in atmosphere-ventilation and their effects on health. Rural Sanitation. 10 p.

3. Community Health, School Health, Birth rate, Death rate, maternal and Child Welfare.

10 p.

4. Health Problems in India : Causes of poor health standards, health programmes, Health services—Health Centre and Clinic, Mobile health units, sanatorium asylum. International Health Assistance W.H.O., UNICEF, Red Cross Society etc. Health Education.

20 p.

Section-B

1. Causes Symptoms, Care and Preventive Measures of following diseases :

(a) Water, Food and Milk borne diseases : Cholera, Typhoid, Diphtheria, Hepatitis.

(b) Air borne and viral infections : Small Pox, Chicken Pox, Whooping Cough, Tuberculosis, Polimyelitis.

(c) Diseases caused by Insects : Malaria, Dengue.

(d) Diseases caused by direct contact : Hydrophobia, Venereal diseases, Tetanus.

(e) Worm Infestations :

Ascaris Lumbricooides (Round Worm)

Ancylostoma Duodenald (Hook Worm)

Oxyuris Vermiculars (Thread Worm)

Entamoeba Histolytica (Amoebiasis)

20 p.

2. Immunity and routine immunisation in brief.

5 p.

3. Family planning; its advantages and necessity.

4. Care of new born and the young baby, feeding equipment and its care, minor ailments during infancy and their management : Diarrhoea, constipation, flatulence, vomiting, intestinal colics, malnutrition,

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marasmus napkin rash, umbilical infection of eyes, jaundice, swelling of breasts in new born.

Section-C

I. Mother Craft :

- (a) Anatomy of reproductive organs. 5 p.
- (b) Physiology of reproduction, production of ova and sperms, menstrual cycle. 5 p.
- (c) Symptoms and signs of pregnancy. 5 p.
- (d) Common ailments during pregnancy and their management. Morning sickness, heart burn, indigestion, constipation, piles, leg cramps, sleeplessness, frequency of micturition Oedem, Varicose Veins. 5 p.
- (e) Toxaemias of pregnancy : Symptoms, detection and care. Precious vomiting and pregnancy.
- (f) Abortions and miscarriages : Symptoms, types, importance of immediate attention until medical aids is made available.
- (g) Care of expectant mothers—Antental hygiene and advice regarding diet, dress cleanliness, bath, exercise rest sleep, regulation of bowels, care of teeth, care of breasts, mental hygiene. Regular medical check up for satisfactory progress and to detect signs of abnormality. Antenatal clinics and their importance.
- (h) Preparation of confinement and arrival of new born. When to call an assistance.
- (i) Care during puerperium lying in period : management of diet, regulation of bowel, retention of urine, rest, sleep, care of breasts and feeding the baby, exercise during lying in period, ambulation, mental outlook, puerperal sepsis—causes, prevention and treatment. Infections of breasts—caked nipples, abscess retracted nipples.

Books Recommended :

1. A treatise of Hygiene and Public Health : B.N. Ghosh.
2. Manual of Hygiene and Public Health : J.L. Dass, Part-I, Part-II.
3. Handbook of Hygiene and Public Health : Yash Pal Bedi.
4. Hygiene and Public Health : Phagke.
5. Preventive and Social Medicine : Park.
6. A Text book of Bacteriology : Fairbreather.

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7. Elements of Hygiene and Public Health : J.P. Modi.
8. Mother Crafts and Child CARE : Deptt. of Information, Madras Government.
9. Mother Crafts and Child Care : Dr. H.B. Prabhu, Orent Longman.
10. जन स्वास्थ्य एवं परिवार कल्याण—सुधा नारायण
11. मातृकला—सुधा नारायण

Paper-II : Food and Nutrition

Section-A

1. The meaning of Foods and Nutrition. The meaning of the term Metabolism, Anabolism and Catabolism. Chemical Classification of Food Nutrients.
2. Proteins, Carbohydrates, Fats : An elementary knowledge of their compositions, classification, functions in body, daily allowance, sources and deficiency symptoms.
3. Minerals : Nature and distribution, a study of function, daily allowance, Food sources and deficiency symptoms of Calcium, Phosphorus, Iron, Iodine and Fluorine. Role of Sodium, Copper and Sulphur.
4. Vitamins : Definitions and Nomenclature, Characteristics, A study of functions; daily allowances. Food sources and effects of deficiency of the various vitamins.
5. Water : Distribution in the body, functions, sources. Avenues of water loss, mechanism of water balance and daily allowances.
6. Study of common article of diet Nutrients present, caloric value (only comparative study from tables is required). Role of each in Diet. Cereals, Pulses, Nuts and Seeds. Fruits and Vegetables- importance of salads. Meat and Fish. Egg, Milk and Milk products, Spices and Condiments.

Section-B

1. Energy Metabolism : Unit of Measurement Calorie, Physiologic Fuel factors. Factors affecting total energy requirements of the body Basal Metabolic Rate. Muscular activity, mental stress. Specific dynamic action of food. Climatic conditions. Rate of growth.
2. Meal Management : Resources goals and values. Advantages of Meal Planning. Planning for good nutrition.
 - (1) Balanced Diet : Importance and essential constituents. Recommended daily allowances for various age groups. Sample diet by I.C.M.R.

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- (2) Matching meals to the Food budget : Family income. Composition of family. Other factors affecting food budget. Characteristic of sample meals for low cost. Moderate cost and liberal food budgets. Ways of effecting economy.
- (3) Matching meals to available time and energy : Effective management.
- (4) Meal Planning factors to be considered : Physiological satisfaction. Hunger and appetite, Satiety Value, Psychological factors. Eye appeal, Taste, Aroma and flavour, Texture and temperature. Other factors—Availability of food stuff. Tradition, Likes and Dislikes, Characteristic and Sample menus of Breakfast, lunch, dinner and in between meals—Food fads fallacies.

3. Diet Planning with reference to special individual requirement: Pregnancy and Location, Nutritional requirements. Sample meal, Diet during minor digestive complications. Infancy, Breast and Artificial feeding, comparison of human and cow's milk : quantity and schedule, Preparation of formula. Cow's milk and Patent milk foods. Food Supplements at various stages.

Weaning and mixed feeding. Establishment of good habits. Adequacy of feeding. General guiding factors, Test feeds. Children and Teenagers. Nutritional requirements Diets for pre-school, school going and teenagers. Establishment of good habits, School lunch programme in old age. Physiological and Nutritional changes; Dietary allowances.

Section-C

4. Therapeutic Nutrition : Purpose of diet therapy soft, semiliquid diets, and liquid diets. Principle of feeding in Acute fevers. Digestive disorders—dyspepsia, constipation, diarrhoea, peptic ulcer. Liver diseases, Diabetes, over weight and under weight. Deficiency diseases (High protein, High calorie diet).

Meaning of good Nutrition : Evaluation of good nutrition malnutrition, Detection causes and treatment steps taken by the Govt. for prevention.

5. Food Preservation : Factors contriburint to food spoilage, Principles and techniques used in various methods of preservation. Cooking, caning, bottling, pasteurization, cold storage and refrigeration. Drying and Dehydration, Chemical preservation. Use of antibi-

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otics. Use of irradiation.

Books Recommended :

1. Health Bulletin No. 42 (New Edition) Government of India Press, New Delhi.
2. Foundation of Nutrition, Rose; Macmillan and Co., New York.
3. Nutrition and diet Theory, F.T. Proudjit and H.C. Robinson Macmillan and Co., New York.
4. Human Nutrition and Diet, W.R. Arkyod, Oxford University Press.
5. Dalda Cookery Books.
6. Mrs. Balbir Singh's Indian Cookery : Mrs. Balbir Singh.
7. Hindi
8. Ideal Kitchen : Govt. of Indian Publication, Kitab Mahal, New Delhi.
9. Human Nutrition and Dietetic—Davidson, Passmore and Brook.
10. Nutrition Atlas of India—National Institute of Nutrition, Hyderabad.
11. Diet Atlas of India—National Institute of Nutrition, Hyderabad.
12. Principles of Cookery by Elizabeth Nash.

Practicals

	Duration	Max. Marks	Min. Marks	No. of Periods Per-Week
1. First Aid & Home Nursing	3 hrs.	25	9	2
2. Clothing Practical	3 hrs.	50	18	2
3. Cookery Practical	-	-	-	2

Note : Cookery Practical to be started in IInd year and examination IIIrd Year.

First Aid and Home Nursing Practical

Distribution of Marks :

Max. Marks : 25

Min. Pass Marks : 9

(a) Sessional Marks on the basis of

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- File,
- First Aid box,
- Attendance

(b) Practical Examination

(i) Viva

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(ii) Practical

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II. Instruction to Examiners :

1. One examiner should conduct viva and should ask questions from First Aid.
2. The other examiner should conduct Practical and should ask questions from Home Nursing.
3. Both examiners should go through the File and First Aid Box prepared by the students and ask relevant questions regarding various articles in them.

First Aid and Home Nursing Practicals

I. First Aid : First Aid treatment of the following :

- Burns and scalds
- Cuts and Wounds
- Sprains—fractures and dislocations
- Hemorrhage
- Unconsciousness
- Drawing
- Electric shock
- Heat stroke and first-bite
- Insect and animals bites
- Foreign body in eye, ear, nose and throat, Poisons—O Common poisons and their antidotes. First aid boxes to be made by every student.

II. Home Nursing :

- Room for the sick
- Care of the sick with special emphasis on the care of an infectious case at home.
- Use of bed pan, urinal, bed table, bed cradle, back rest, hot water, bottle, ice cap, spittoon, measuring glass, thermometer. Recording of pulse, temperature and respiration. Preparation and administration of enema, fermentations cold compressions and Inhalations.
- Practical methods of disinfection.

Books Recommended :

1. First aid to the injured. St. John's Ambulance Association.
2. Home Nursing. St. John's Ambulance Association.

Clothing Practicals :

Max. Marks	50	Sessional-20
Min. Pass Marks	18	Final Exam. 30

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Time : 3 Hrs.**Distribution of Marks**

- | | |
|--|----|
| 1. Drafting and Cutting | 7 |
| (a) Drafting | 3 |
| (b) Cutting | |
| 2. Stitching | 5 |
| (a) Seams | 10 |
| (b) Neck, Placket Collar, Sleeves | |
| 3. Total Finishing of the garment (fasteners, hemming) | 5 |

Time : 3 Hrs.

- I. General Principles for clothing constructions.
 - (a) Study of body measurements in relation to height and age.
 - (b) Taking body measurement for different types of garments.
 - (c) Importance of drafting and making paper patterns.
 - (d) Placing and cutting of pattern.
 - (e) Calculating the amount of material required for different garments.
 - (f) Preparation of fabric, straightening, shrinking and pressing.
- II. Drafting, cutting and stitching for the following garments :
 - (a) Children Jhabla / Matinee coat, Jangia, Romper, sunsit, Gathered Frock with Puff Sleeves, Bush-shirt and Bloomer/ Shorts.
 - (b) Lady's Salwar and Kamiz, Sari, Petticoat, Blouse.
 - (c) Boy's Pyjama, Kalidar Kurta.
 - (d) Different types of Sleeves and Collars.

Distribution of Marks

Total Marks : 50
 Passing Marks : 18

Sessional	20	
Final Exam	30	
1. (a) Drafting		7
(b) Cutting		3
2. Stitching		
(a) Seam		5
(b) Neck, Placket Collar and Sleeves		10
3. Total finishing of a garment		5

Cookery Practical :

Cookery Practical to be stated in third year and examination will be conducted in IIIrd Year.

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1. Beverages : Tea, Coffee, Coococi, Lassi, Milk shakes, Fruit juices, Sherbats, Jalzeera, Fuit Punch.
2. Soup : Different types.
3. Snacks :
 - (a) Sweets : Halwas of different types, Shrikhand, Barfi, Ladoo, Gulab Jamun, Gujia, Biscuits, Cakes, pastries.
 - (b) Savories : Sandwiches, Wafers, Cutlet, Pakoras, Kachori, Samosa, Chivra, Aloo-Tikia, Dahibara, Pani-patasha, Aloo Chhola, Sago-Wadas etc.
4. Simple egg preparations.
5. Daily meal items : Rice, Pulao, Dal, Vegetable, Raita, Chutney, Phulka, Parathe, Puri.
6. Food Preservation : Achar, Murabba, Jam, Sauces, Papad, Mangori, Bari, Jellies.


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17. TEXTILE CRAFT

Scheme : (Theory)

Min. Pass Marks 22

Max. Marks 60

Paper-I	3 hours duration	30 Marks
Paper-II	3 hours duration	30 Marks
Paper-I	Marks	Hours
(i) Theory	30	3
(ii) Practical	35	6
(iii) Submission	35	
Total	100	


Theory :

- (i) **Weaving Theory :** Different aspects and requirements for the manufacture of cloth.
- (ii) **Weaving Practical :** Working on looms to produce fabric samples of fabric weaves.

Paper-II	Marks	Hours
(i) Theory	30	3
(ii) Practical	35	6
(iii) Submission	35	
Total	100	

Theory :

- (i) **Dyeing Theory :** Use of different dyes on different yarns fabrics.


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(ii) **Printing Theory** : Styles of printing : Direct Style, Discharge style and resist style.

Practical : Dyeing and Printing Practical

1. Block Printing.
2. Hand Printing.
3. Screen Printing (Paper Cut Method)
4. Dyeing different shades on yarn and fabric using different
5. Designs for practical
6. Introduction to the concept of repeat

Submission Work :

Min. Pass Marks 25

Max. Marks 70

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18. INVESTIGATIVE BIO-TECHNOLOGY

Scheme :	Min. Pass Marks	Max. Marks
Paper-I	40	
Paper-II	40	
Paper-III	40	
Practical	120	

Paper-I: Bio Chemistry and Systemic Bacteriology Max. Marks-40
Section - A

Bio-Chemistry II

1. Blood sugar and its regulation
2. Chemical examination of urine
3. Glucose tolerance test
4. Diabetes mellitus, Ketosis, Diabetic coma
5. Non-protein nitrogenous compounds
6. The Plasma Proteins and A.G. Ratio
7. Lipids
8. Enzymes
9. Tests of Gastric Function. Occult Blood
10. Test in Liver and Biliary Tract Disease
11. Tests in Pancreatic Disease, Steatorrhoea
12. Acid Base Regulation
13. Basal Metabolism, Blood Oxygen
14. Regulation of pH in blood and body fluids
15. Vitamins and their tests
16. Chemical Examination of Cerebrospinal fluid
17. Milk Analysis

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18. Stones (Urinary and Gallblader)
19. Faecal Pigments
20. Drugs and Poisons, alcohol
21. Water management and its analysis.

Section – B

Systemic Bacteriology and other microbes

1. Classification of bacteria
2. Normal bacterial flora and its importance
3. Introduction and Laboratory methods of identification of:
 - (i) Staphylococci
 - (ii) Streptococci
 - (iii) Pneumococci
 - (iv) Neisseria
 - (v) Diphtheria
 - (vi) Anthrax
 - (vii) Clostridia
 - (viii) Enteric Gram Negative Rod
 - (ix) Cholera
 - (x) Pseudomonas
 - (xi) Haemophilus and Bordetella
 - (xii) Spirochetes
 - (xiii) Spirillum and Leptospira
 - (xiv) Rickettsial and Chlamydia
4. Mycology : General characters of Fungi : Yeast like fungi and their diseases; Dermatophytoses
5. Virology : general characters and classification, Diagnostic methods, materials collected for virus isolation and preservation of material.
6. Bacteriology of water, milk and food.

Paper-II : Serology and General Pathology Max. Marks : 40

Serology :

1. Antigens and antibodies
2. Complement and fixation test
3. Agglutination
4. Precipitation
5. Flocculation
6. Neutralization
7. Immunofluorescence

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8. Immune electrophoresis
9. Serology of Syphilis
10. Haem Aggulation and Haem Aggulation Inhibition
11. Skin Tests

Section – B

General Pathology

1. Introduction to pathology (Morbid Anatomy and Histology)
2. Degeneration, Necrosis and gangrene and how to recognise them
3. Infection, Thrombosis and Embolism
4. Inflammation
5. Neoplasia, Benign and Malignant tumors

Practical

(75×3 periods)

Max. Marks 120

Unit-I

Bio-Chemistry

1. Cholesterol, Triglycerides, H.D.L., L.D.L.
2. Enzymes, S.G.O.T., S.G.P.T., L.D.H.
3. Alkaline and Acid phosphatase
4. F.T.M. Gastric analysis
5. Serum Electrolytes
6. Principle and application of Spectrophotometer, Turbidimeter and chromatography.

Unit-II

A. Haematology :

1. Erythrocyte Sedimentation Rate (E.S.R.) and Packed Cell Volume (P.C.V.) and Total R.B.C. count
2. Red cell indices and their calculation
3. Staining of Reticulocyte and their counting
4. Total Eosinophil Count
5. Cyto chemical stains used in bone Marrow and P.B.F. for diagnosis.
6. Blood Grouping and Rh typing and cross matching.
7. Anti "D" Titresw in Maternal blood.
8. Coomb's Test.
9. Demonstrations of collection of Blood for transfusion.

B. Serology and Bacteriology:

1. Cleaning and sterilisation
2. Widal Test

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3. Brucella Aggultination.
4. Alberts Stain and Neisser Stain.
5. A.F.B. Stain
6. Concentration method of A.F.B.
7. Smears of Leprosy (Nasal Smear Slit Smear)
8. Staining and examination of prepared smears of Pus, Sputum conjunctive etc. by GRAMS-A.F.B. (R.N. Method)
9. Demonstration of instruments for sterilization.
10. Composition of common laboratory cultures media.
11. Demonstration of some common types of growth of micro organism on different media.
12. Preparation and Staining of Smears from cultures.
13. Demonstration of Special Biochemical tests used in identification of organis ms.
14. Collection of urine for culture from females, males and children, taking of throats swabs/conjunctival swabs.

C. Cytology and Histology :

1. Microscopy of urine and C.S.F.
2. Semen exmaination for sperms count and motility.
3. Demonstration of the paraffin embedding, sectioning for histopathology.
4. Himotoxyline and eosine staining of paraffin section and taking and staining of smears for sex chromation.
5. Making and fixing of smears from urine, sputum and Vaginal etc. for cytology.
6. Staining of smears for exfoliative cytology.

Practical - Bases on Theory syllabus - Max. marks 50

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19. GARMENT PRODUCTION & EXPORT MANAGEMENT

Scheme :

B.A./B.Com Part-II

Theory	1	Fashion and apparel Design	2	30	13	3
	2	Elements of Marketing and finance	3	50	18	3

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Practical	1	Clothing construction-2	4	60	26	4
	2	Apparel designing	3	60	26	4

B.Sc./B.A./B.Com. Part II

Theory Paper-I

Fashion and Apparel Design

BA/BCom MM 30

BSc MM 50

Section -A: Introduction to Fashion

1. Fashion terminology, sources of fashion, factors influencing fashion.
2. Fashion forecasting
3. Indian and International fashion designers.
4. History of customs of Indian civilization & brief knowledge of world costumes french, German & European.

Section -B: Selection Criteria

5. Selection of suitable fabrics for Infants, Toddlers Pre-school, Children, School going children, Adolesants, adults and Special needs.
6. Buying criteria for readymade garments, definition, origin & evolution of ready to wear garments.
7. Factors affecting selection of Household liners, Curtains, Draperies, towels and Carpets.

Section -C: Techniques in Pattern Making

1. Eight head theory.
2. Pattern making- (1) Drafting
(2) Draping
(3) Flat Pattern
3. Colour & Colour Schemes, Psychological effects of Colour on clothes.

Reference:

1. GJ, Sumathi, Elements of Fashion & Apparel Design.
2. Biswas A
3. Roshan Alkaji- Costumes of India.
4. Littman Connie (1977)-Pattern Making. Design, Litton Educational Publishing Inc.

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B.Sc./B.A./B.Com. Part II

Paper-II

Elements of Marketing and Finance

Hrs. 3

BA/BCom. MM 50

BSc, MM 50

Section-A

1. Market structure - Types of market, market demand, Elasticity of demand, demand forecasting: Market survey, Elements of Cost.

Section-B

2. Cost analysis: Break-even analysis, Garments Production Planning.
3. Finance; Sources of Finance and Working capital, Financing Foreign trade, Methods of payment, various types of bills, Bill discounting, Letter of credit, Tariff. Customs. Insurance.

Section-C

4. Export credit and guarantee corporation, Procedures for exports and export-import policy of India, Export License, Export houses, Export Promotion Schemes and measure in India-Detailed study.

Reference:

K.K. Sharma, G.R. Basetia, Entrepreneurship and Small Business.

M.J. Mathew, Management of Marketing.

J.K. Tondan, International Finance.

B.Sc./B.A./B.Com. Part II

Practical – I

Clothing Construction

BA/BCom MM 80

BSc MM 50

1. Decorative Samples

- (a) Lace Edging (machine)
- (b) Gathers (machine)
- (c) Pleats-Knife, Box & Inverted Box Pleats
- (d) Frills-One side and two sided
- (e) Tucks-Pin, Cross, shell, scalloped
- (f) Placket-Even hem, Loop fasteners
- (g) Zipper
- (h) Machine Embroidery-Basic stitches (Running, Satin, Long

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Syllabus B.A. Part-II

- & Short, patch work, applique work).
2. Childs bodice block.
 3. Drafting, Cutting and Stitching of following garments :
 - (a) Frock (Variations of A-Line,/Gathered/Pleat/Umbrella)
 - (b) Skirt and Top
 - (c) Sun suit/Romper/Bushirt with shorts.

Reference:

Jindal, Ritu, Handbook of Fashion Designing.

Kallal, Mary Jo, Construction.

Mitchell Beazley, The Sewing Book a complete practical guide.

B.Sc./B.A./B.Com. Part II

Practical – II

Apparel Designing

BA/BCom. MM 60

BSc. MM 25

1. Color wheel and color schemes.
2. Introduction to Eight Head theory and Stick Figure 9½", 10½"
3. Developing a croquis from block figure.
4. Identification of different types of collars, sleeves, yokes and pockets.
5. Draping of garments on croquis (at least 8 sheets) using different media.
6. Introduction to the basics of computers, M.S. Word, internet.
7. Preparation of a portfolio.

Reference:

Ireland, Fashion Designing Drawing and Presentation.

Ireland, Patrick John, Fashion Design Illustration: Men

Renee Weiss Chase, CAD for Fashion Design

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21. MATHEMATICS

B.A./B.Sc. Part-II—2008 onwards

Teaching : 3 Hours per Week per Theory Paper.
2 Hours per Week per Batch for Practical
(20 candidates in each batch)

Examination: Min. Pass Marks:-	Max. Marks
Scheme : Science—54	150
Arts—72	Duration 200
Paper-I Real Analysis and Metric Space	3 hrs 24/66
Paper-II Differential Equations	3 hrs. 24/66
Paper-III Numerical Analysis	Theory : 2½ hrs. 16/44 Practical : 2 hrs 08/24
Total	72/200

- Note :
1. Papers I and II are divided into Five Units. Two questions will be set from each Unit. Candidates are required to attempt Five questions in all taking One question from each Unit. All questions carry equal marks.
 2. Paper III is divided into Four Units. Two questions will be set from each Unit. Candidates are required to attempt Four questions in all taking One question from each Unit. All questions carry equal marks.
 3. Common paper will be set for both the Faculties of Social Science and Science. However, the marks obtained by the candidate in the case of Faculty of Social Science will be converted according to the ratio of the maximum marks of the papers in the two Faculties.
 4. Each candidate is required to appear in the Practical examination to be conducted by internal and external

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examiners. External examiner will be appointed by the University and internal examiner will be appointed by the Principal in consultation, with Local Head/Head, Department of Mathematics in the college.

5. An Internal/external examiner can conduct Practical Examination of not more than 100 (Hundred) Candidates (20 candidates in one batch).
6. Each candidate has to pass in Theory and Practical examinations separately.

Paper-I : Real Analysis and Metric Space

Teaching : 3 Hours per Week

**Duration of Examination : 3 Hours Max Marks : 50 (Science)
66 (Arts)**

Note: This paper is divided into Five Units. Two questions will be set from each Unit. Candidates are required to attempt Five questions in all taking One question from each Unit. All questions carry equal marks.


Unit 1: Real numbers as complete ordered field, Limit Point, Bolzano-Weierstrass theorem, Closed and Open sets, Union and Intersection of such sets. Concept of compactness. Heine-Borel theorem. Connected sets.

Real sequences-Limit and Convergence of a sequence, Monotonic sequences.

Unit 2: Cauchy's sequences. Subsequences, Cauchy's general principle of convergence. Properties of continuous functions on closed intervals. Properties of derivable functions. Darboux's and Rolle's theorem.

Unit 3: Notion of limit and continuity for functions of two variables.

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Riemann integration-Lower and Upper Riemann integrals, Riemann integrability, Mean value theorem of integral calculus, Fundamental theorem of integral calculus.

Unit 4: Sequence and series of functions—Pointwise and Uniform convergence, Cauchy's criterion, Weierstrass M-test, Abel's test, Dirichelet's test for uniform convergence of series of functions, Uniform convergence and Continuity of series of functions, Term by term differentiation and integration.

Metric space—Definition and examples, Open and Closed sets. Interior and Closure of a set, Limit point of a set.

Unit 5: Subspace of a metric space, Product space. Continuous mappings, Sequence in a metric space, Cauchy sequence. Complete metric space, baire's theorem, Compact sets and Compact spaces. Connected metric spaces.

Paper-II: Differential Equations

Teaching : 3 Hours per Week

Duration of Examination : 3 Hours Max Marks : 50 (Science)

66 (Arts)

Note: This paper is divided into Five Units. Two questions will be set from each Unit. Candidates are required to attempt Five questions in all taking One question from each Unit. All questions carry equal marks.

Unit 1: Degree and order of a differential equation. Equations of first order and first degree. Equations in which the variables are separable. Homogeneous equations and equations reducible to homogeneous form. Linear equations and equations reducible to linear form. Exact differential equations and equations which can be made exact.

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- Unit 2: First order but higher degree differential equations solvable for x, y and p . Clairaut's form and singular solutions with Extraneous Loci. Linear differential equations with constant coefficients, Complimentary functions and Particular integral.
- Unit 3: Homogeneous linear differential equations, Simultaneous differential equations. Exact linear differential equations of n th order. Existence and uniqueness theorem.
- Unit 4: Linear differential equations of second order. Linear independence of solutions. Solution by transformation of the equation by changing the dependent variable/the independent variable. Factorization of operators, Method of variation of parameters, Method of undetermined coefficients.
- Unit 5: Partial differential equations of the first order. Lagrange's linear equation. Charpit's general method of solution. Homogeneous and non-homogeneous linear partial differential equations with constant coefficients. Equations reducible to equations with constant coefficients.

Paper-III: Numerical Analysis And Vector Calculus

Teaching : 3 Hours per Week

**Duration of Examination : 2½ Hours Max Marks : 32 (Science)
44 (Arts)**

Theory

- Note: (i) This paper is divided into Four Units. Two questions will be set from each Unit. Candidates are required to attempt Four questions in all taking one question from




each Unit. All question carry equal marks.

(ii) Non-Programmable Scientific Calculators are allowed.

- Unit 1: Differences. Relation between differences and derivatives. Differences of a polynomial. Newton's formulae for forward and backward interpolation. Divided differences. Newton's divided difference, Interpolation formula. Lagrange's interpolation formula.
- Unit 2: Central differences. Gauss's, Stirling's and Bessel's interpolation formulae. Numerical Differentiation. Derivative from interpolation formulae. Numerical integration, Newton-Cote's formula, Trapezoidal rule, Simpson's one-third, Simpson's three-eighth and Gauss's quadrature formulae.
- Unit 3: Numerical solution of algebraic and transcendental equations. bisection method, Regula-Falsi method, Method of iteration, Newton-Raphson method. Gauss elimination and iterative methods (Jacobi and Gauss Seidal) for solving system of linear algebraic simultaneous equations. Solutions of ordinary differential equations of first order with initial and boundary conditions using Picard's and modified Euler's method.
- Unit 4: Scalar point function. Vector point function. Differentiation and integration of vector point functions. Directional derivative. Differential operators. Gradient, Divergence and Curl. Theorems of Gauss. Green, Stokes (Without proof) and problems based on these theorems.

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Practical

Teaching : 2 Hours per Week per Batch

(20 Candidates in each Batch)

Examination:

Duration : 2 Hours

Scheme:	Science	Arts
Max. Marks:	18	24
Min Pass Marks:	06	08

Distribution of Marks:

Two Practicals one from each group

6 Marks each	= 12 Marks (08 Marks each)	16
Practical Record	= 03 Marks	04
Viva-voce	= 03 Marks	04
Total Marks	= 18 Marks	24

Group-A: Numerical integration using Trapezoidal rule, Simpson's rules. Numerical solution of Algebraic and Transcendental equations using.

- (i) Iteration method
- (ii) Newton-Raphson method and
- (iii) Regula-falsi method.

Group-B: Numerical solution of the system of linear equations by Jacobi and Gauss-Seidel methods. Solution of linear differential equations of first order and first degree with initial and boundary conditions using Picard's and modified Euler's method.

- Note:
- 1. Problems will be solved by using Scientific Calculators (non-Programmable)
 - 2. Candidates must know about all functions and operations of Scientific Calculator.

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ECONOMICS

Scheme :	Min. Pass Marks	Max. Marks
Arts	72	200
Science	54	150
Paper-I	3 hrs. duration	Arts 100 Science 75
Paper-II	3 hrs. duration	Arts 100 Science 75

Note : There will be two papers of Economics. Each paper will have 3 questions from each section. In addition to these nine questions (3 questions from each section) there shall be one multiple choice objective type question in each of the two papers. This question shall be compulsory.

The candidate will be required to attempt five questions in all in each paper selecting atleast one question from each section and one compulsory multiple choice/objective type question. Each question will carry 20 marks.

The multiple choice/objective type question will consist of 20 questions of one mark each.

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REVISED SYLLABUS OF B.A. / B. Sc. Part - II Examination - 2013

Paper (I) Macroeconomics Theory

Section - A

Basic concepts- static, comparative static and dynamic macroeconomics, interdependence between microeconomics and macroeconomics, fallacy of composition; classical, neo-classical and Keynesian macroeconomics; constants and variables, dependent and independent variables, stock and flow variables, ex-ante and ex-post variables.


Circular flow of income, injection and leakages: definition, components and measurement of national income, estimation of national income in India, national income deflator, problems in measurement of national income, national income and economic welfare.

Definition of money, monetary standard, various forms of money, functions of money, supply of money, measurement of money in India- M_1 , M_2 , M_3 and M_4 , determinants of money supply- H theory; Quantity theory of Money -Fisher and Cambridge approaches, Keynesian theory of demand for money; value of money and its changes in value of money.

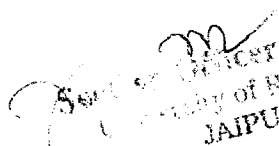
Section - B

Classical theory of output and employment, Say's law of market, Keynesian theory of output, employment and income, concepts of aggregate demand, aggregate supply, effective demand, consumption function and investment function, relevance of Keynesian theory for developing economies.

Multiplier- investment multiplier, complex multiplier, government expenditure, tax and transfer payments multipliers, balanced budget multiplier and foreign trade multiplier.


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acceleration principle; trade cycle definition, phases and types. Hicks - Samuelson multiplier - accelerator interaction trade cycle model, control of trade cycles.

Section - C

Central Bank- functions of a central bank with reference to India. credit control by a central bank, quantitative and qualitative methods- bank rate, cash reserve ratio, statutory liquidity ratio, open market operations, repo rate, reverse repo rate and credit rationing, relationship between central bank and treasury.

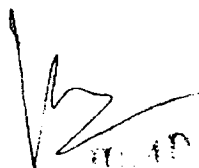
Commercial banks- functions of commercial banks, multiple credit creation, credit multiplier and deposit multiplier. role of commercial banks in a globalized world. e-banking

Banking reforms after 1991

Monetary policy of India and its role in promoting economic development and achieving price stability after 1991

Books Recommended

1. K.C Rana and K.N Verma, Macroeconomic Analysis, Vishal Publishing Company, Jalandhar. Latest Edition (English & Hindi)
2. H. L. Ahuja, Advanced Macroeconomic Theory, S. Chand and Co., Delhi, Latest Edition (English & Hindi) .
3. Deepashree and Vanita Agarwal, Macroeconomics, Tata McGraw-Hill Education, New Delhi, 3rd Edition, Reprint 2010.


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Paper – II (a) Basic Mathematics and Statistics for Economics

Section – A

Surds, indices, quadratic equation, logarithms, permutation and combination, arithmetic progression, geometric progression and harmonic progression, matrices and determinants, solution of simultaneous equations by Cramer's rule and matrix inverse method, differentiation – simple and partial (involving two independent variables), unconstrained and constrained maxima and minima; simple integration.

Section – B

Statistics: definition and importance, population and sample, methods of sampling, diagramming and graphical representation of data; measures of central tendency, dispersion and skewness.

Section – C

Correlation and regression analysis of time series, index numbers, interpolation (binomial expansion and Newton's method), association of attributes

(Note: Use of calculator is permitted)

Books Recommended:

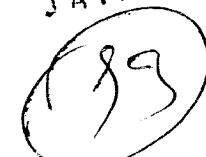
1. B.C. Mehta and G.M.K. Madnani, Elementary Mathematics for use in Economics, Laxmi Narain Agarwal, Agra.
2. S.P. Gupta, Statistical Methods, Sultan Chand and Sons, New Delhi.
3. बी. सी. मेहता एव. जी. एम. के. मदनानी, अर्थशास्त्र में प्रारम्भिक गणित, लक्ष्मीनारायण अग्रवाल, आगरा.
4. कैलाश नाथ नाग, सांख्यिकी के मूल तत्व, मीनाक्षी प्रकाशन, मेरठ.


Books for References:

1. Hall and Knight, Higher Algebra
2. A. L. Nagar and R. K. Das, Basic Statistics, Oxford University Press, Bombay.



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Section - A

Mercantilism. Physiocrats. Quesnay's Table Economic Concept of Surplus. growth theory of taxation and role of Government.

Classical school - Adam Smith, the invisible hand doctrine. Wealth of Nations. Laissez faire. Profits and wages Modern revival of Adam Smith. Critiques of Adam Smith

Malthus's theory of population and theory of under-competition Ricardo-Principles of Political Economy and Taxation. Distribution theory - different rents

Section - B

Critics of the classical school - Sismondi. Socialist and the nationalist school Re statement of the classical position. Senior and the four postulates J S Mill-four propositions and capital demand and supply bi-furcation wage fund

Rehabilitation by Cairness. Stationery State Version non-competing groups.

Evaluation of socialist thought - Utopian. Socialism Saint Simon. Own Blanc. Fourier. Proudhon. Scientific socialist

Section - C

Karl Mark - Efforts at scientific socialism. Organic composition of capital. Break down of capitalism. Revival of Mark in Economics. The German Historical School and the development of Marginalism The neo-classical school. Marshall.

Twentieth century economic thought-main features (only the rise of Keynesianism. the rise of mathematical Economics, dynamics and econometrics) Critical evaluation of the development of economic thought Indian economic thought - Kautiva and Gandhi.

Books Recommended:

- 1 H. Haney: History of Economic Thought.
- 2 Eric Roll: History of Economic Thought.
- 3 Gide and Rist: History of Economic Doctrine
- 4 V. C. Sinha: Arthik Vicharon Ka Itihas
- 5 K.L. Rangaswami: Aivangan: Aspect of the ancient Economic Thought.
- 6 J. C. Kumarappa: Gandhian economic Thought.

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23. GEOGRAPHY

Scheme :

Max. Marks

For Arts 200

For Science 150

Paper-I

3 hrs. duration

For Arts Max. Marks 75

For Science Max. Marks 50

Paper-II

3 hrs. duration

For Arts Max. Marks 75

For Science Max. Marks 50

Practical

Min. Pass Marks : 18

For Arts & Science Max. Marks 50

Note :

1. Students are permitted to use the stencils, simple calculator and Log tables whereve needed in the examination.
2. There will be a common paper for Arts/Science.
3. Ten questions will be set in top 1. Question No. 1 will be compulsory and will cover the entire course contents of the paper. Remaining Nine questions will be set ensuring three questions from each section.
4. Candidate will attempt five questions in all selecting at least one question from each section.
5. The allocation of marks will be different in Arts/Science.
6. Each question will be of 20% marks of the total.
7. Question No.1 be set in two parts :
 - (a) Questions on Map (to be supplied) of 10% marks.
 - (b) Objective type questions (multiple choice and very short answer) of 10% marks.
8. Practical Examination will be conducted by the Board of Examiners.

Paper-I : Geography of Resources and Their Utilization.

Section-A

Nature, scope and significance of Resource Geography. Definition and classification of resources, resource evaluation.

Natural Resources : Distribution, exploitation, uses and conservation-forests, water, soils, fisheries, minerals (iron, mica, atomic minerals); Energy resources-coal, petroleum, non-conventional energy resources.

Section-B

Human Resources : Quantitative and Qualitative aspects, popu-

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iation growth, distribution and density patterns, causes of inequalities. Population and resource relationship-carrying capacity of land under different environments.

Population explosion : Causes, consequences and control. Human resource development : Problems and prospects.

Section-C

Concept and objectives of resource utilization and their conservation. Environmental and cultural constraints in resource utilization-typical examples of agriculture, water, forests, minerals and soils.

Objectives of land survey, land use classes, land capability classes and related land-use.

Resources regions of the world.

Paper-II : Human Geography

Section-A

Definition, aims and scope of Human Geography, relation of Human Geography with other social sciences. Principles of Human Geography. Essential facts of Human Geography according to Brunhes and Huntington.

Schools of thoughts in Human Geography : Determinism, Stop and go determinism and Possibilism. Races of mankind : Distribution and characteristics.

Section-B

International human migration : Causes, types and impacts in past and present times.

Principal human occupations and principal agglomerations, their ecological and distributional aspects.

Section-C

Human establishments and centers of human civilization. Building materials and house types. Types and patterns of rural & urban settlements. Causes of urbanization, principal agglomerations.

Elements of Environment and their impact on the habitat, economy and society of Eskimos, Pygmies, Bushman, Bhils, Gonds and Nagas.

Note : Questions will be asked on the world as a whole and its major regions and not on countries.

Books Recommended

1. Alexander, John, W : Economic Geography, Prentice Hall Ltd. New Delhi, Latest Edition.
2. Chandra, R.C.: A Geography of Population : Concepts Determinants and Patterns, Kalyani Publishers, New Delhi, 1986.

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3. Stephen, G.S. Wright, J.K. & Tcclaff, E.M. (eds) : A World Geography of Forest Resources, Ronald Press Co., New York.
4. Zelinsky, Willbur : A Prologue to Population Geography, Prentice Hall Inc., Englewood Cliffs, N.J. 1966.
5. Inki, V.A. : Economic Geography, Concept Publishing Co., New Delhi, 1985.
6. Boesch, H. : A Geography of World Economy, D. Van Nostrand.
7. Jones, C.F. & Darkenwald, G.G. : Economic Geography, Macmillan Co. New York, (Latest Edition).
8. Miller, E : Geography of Manufacturing. Prentice Hall, New Jersey.
9. Chorely, R.J. : Water, Earth and Man, Methuen, London, 1967.
10. Eckstein, O : Water Resources Development, Harvard. University Press, Cambridge, Mass, 1965.
11. Fuoon : Resource Problem of Water : A World Survey Feber & Feber Grance, 1963.
12. Parapi, J.L. (ed) : Hand-Book of Water : Quality Management, Lanning Van Nostrand Reinhold, Co. N.Y. 1977.
13. Singh, R.A. and Singh S.R. : Water management Principals and practice, Tara Publication, Varanasi, 1979.
14. I.C.A.R. : Soil & Water Conservation Research (1966-71)
15. I.C.A.R. : Soil Conservation in India.

Reference Books :

1. Hagget, Peter : Geography-A Modern Synthesis, Harper & Raw Publisher, New York, 1975.
2. Brown, L.R. : In the Human Interest, Affiliated East, East Press, New Delhi, 1976.
3. Cuitter, Susan L. Hillary, and Renwich, Willim II : Exploitation, Conservation and Preservation : A. I. Geographic Perspective and Natural Resource use, Rowman and Allahabad, Totwa, N.J. : 1985.
4. UNESCO : USE and Conservation of the Biosphere, Paris, 1978.
5. Clawson, Marien (ed.) Natural Preouces and International Development, New York.
6. Hussain Majid : Human Geography, Rawat Brothers, Jaipur.

Reference Books :

1. Davis, D.H. : The Earth and Man Macmillan Co. New York.
2. Huntington and Shaw : Principles of Human Geography, Champman and Hall, New York.

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3. Money, D.C. : Introduction to Human Geography, University Tutorial Press, London.
4. Hussain Majid : Human Geography, Rawat Brothers, Jaipur.
5. मेहरोत्रा एण्ड सक्सेना—मानव भूगोल, लक्ष्मी नारायण अग्रवाल, आगरा
6. डॉ. कौशिक—मानव भूगोल, रस्तोगी एण्ड कम्पनी, मेरठ
7. विश्वनाथ द्विवेदी एण्ड कन्नोजिया—मानव भूगोल के सिद्धान्त, किताब महल, इलाहाबाद
8. नन्दा वल्लभ दोशी—मानव भूगोल की रूपरेखा।

Practicals

Max. marks : 50 (For Science & Arts) Min. Marks : 18

Definition of Cartography, Types of cartographic symbols and their uses. Drawing instruments and materials.

Representation of agricultural, industrial and transport data with the help of lines, bars, squares, rectangles, circles, spheres, ring, pyramids, wheel diagrams, traffic flow diagram isochromic chart.

Classification and uses of maps and drawing of Isopleth, Choropleth, Chorochromatic, Choroschematic and Dot maps (simple, multiple and multi colour).

Application of mean, median, quartile and standard deviation in Geography, study and interpretation at least two topographical maps of India (one from mountaneous and another covering a plain area). Conventional symbols used in topographical maps.

Prismatic Compass Survey : open and closed traverse, Correction of bearings-Bowditch method and Included angles.

Distribution of marks for the purpose of examination.

1. Written Paper	3 hrs.	24 Marks
2. Record and viva		12 (7+5) Marks.
3. Field Survey and viva	2½ hrs.	14 (9+5) Marks
	Total	50 Marks

Notes :

1. Candidates will have to attempt three Questions out of 5 Questions.
2. The Non-Collegiate students will have to complete the practical work in consultation with the Head, Department of Geography at any one of the affiliated colleges of Rajasthan University in which Geography subject is taught and in the case of students appearing at examinations from any examination centre located in Jaipur City the Practical camp shall be conducted by the

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University post Graduate Geography Deptt and the candidates will procure a certificate in this regard to be produced at the time of practical examinations.

Books Recommended :

1. Monkhouse, F.J. : Maps and Diagrams, Methuen & Co. Lonin, Latest Edition.
2. Robinson, A.H. : Elements of Cartography, John Wiley and Sons, New York, Latest Edition.
3. Singh, R.L. and Dutt, P.K. : Elements of Practical Geography, Students Friends, Allahabad.
4. Mishra R.P. and Ramesh A. : Fundamentals of Cartography, Macmillan New Delhi, 1986.
5. Mahmood, Aslam : Statistical Studies, Rajesh Publishers, New Delhi.
6. Barrett E.C. and Curiti L.F. : Introduction to Environmental Remote Sensing. Chapman Hall. London 1976.

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. STATISTICS
Marks Scheme

Paper	Nomenclature	Marks	
		Science	Arts
Paper I	Statistical Inference	50 mark	65 marks
Paper II	Statistical Applications in Society and Industry	50 mark	65 marks
Paper III	Practical based on Paper I,II	50 mark	70 marks
Total		150	200

Note: In each Question paper, 10 (ten) questions will be set having 2 (Two) from each unit. Candidates have to answer five questions in all, taking not more than one from each unit.

Paper I
(Statistical Inference)

Unit-I

Sampling from a distribution : Concept of statistic and its sampling distribution. Sampling distribution for mean of Binomial, Poisson and Normal Distribution. Chi-square Distribution: Definition, Derivation, Moments, MGF, C.G.F., Mode & Skewness Limiting and Additive Property. Distribution of ratio of Chi-square-variates. Applications

Testing Normal Population variance, Test for Goodness of fit; Contingency table & Independence of attributes, yate's correction. 18 hours

Unit-II

t-Distribution : Definition of Student's-t & Fisher's-t Statistic and derivations of their distributions, Constants, Limiting Property of 't' distribution. Applications-Testing of Single mean; Difference of two means; paired t-test and sample correlation coefficient. F-Distribution : Definition, Derivation, Constants, Application- Testing of equality of two variances. Relationship between t, F and Chi-square Distributions. 18 hours

Unit-III

Theory of Estimation: Point Estimation-Concept and Problem for Point Estimation; Criterion of a good estimator (Unbiasedness, Consistency, Efficiency, Sufficiency). MVUE. Method of moments Methods of Maximum Likelihood Interval Estimation-Concept, Confidence Interval, Confidence Coefficient, Construction of Confidence Interval for Population Mean, Variance, Difference of Population Means & Ratio of Variances of Normal Distributions. 18 hours

Unit-IV

Testing of Hypothesis: Simple, Composite, Null and Alternative Hypothesis. Types of error, Critical region BCR, Neyman-Pearson's Lemma for BCR. BCR in case of Binomial, Poisson, Normal and Exponential Population. 18 hours

Unit-V

Large sample tests Testing of single mean, proportion. Testing of difference of means and proportions. Non-Parametric Tests-Definition, Merits & Limitations. Sign test one sample and two sample cases. Run Test, Median test. 18 hours

REFERENCES:

1. Goon A.M. Gupta M.K., Das Gupta B. (1991): Fundamentals of Statistics, Vol.1, world Press, Calcutta
2. Hodges J.L. and Lehman E.L. (1964): Basic Concepts of Probability and Statistics, Holden Day.
3. Mood A.M., Graybill F.A. and Boes D.C. (1974): Introduction to the Theory of Statistics, McGraw Hill.
4. McGraw Hill.

(101)

5. Freund J.E. (2001): *Mathematical Statistics*, Prentice Hall of India.
6. S.C. Gupta & V.K. Kapoor: *Fundamentals of Mathematical Statistics*, Sultan Chand and Sons., New Delhi.

ADDITIONAL REFERENCES:

1. Bhatt B.R. Srivenkatramana T and Rao Mahhava K.S. (1997): *Statistics: A Beginner's Test., Vol.II* New Age International (P) Ltd.
2. Rohatgi V.K. (1967): *An Introduction to Probability Theory and Mathematical Statistics*, John Wiley & Sons.
3. Snedecor G.W. and Cochran W.G. (1967): *Statistical Methods*: Iowa State University Press.
4. E.J. Dudewicz & S.N. Misra: *Modern Mathematical Statistics* John Wiley and Sons.

Subject : Statistics Paper II

(STATISTICAL APPLICATIONS IN SOCIETY AND INDUSTRY)

(Also Common with Subject: Applied Statistics)

Unit-I

Demographic Methods: Sources of demographic data-census, register, adhoc survey, hospital records, demographic profiles of Indian census. Measurement of mortality-Crude death rates, Infant mortality rates, Death rate by cause, Standardized death rate. Complete life table-Construction and its main features, Mortality rate and probability of dying. Relation between different columns of life table uses of life table and its limitations. Measurement of fertility: Crude birth rate, General fertility rate, Specific fertility rate, Total fertility rate. Gross reproduction rate, Net Reproduction Rate.

18 hours

Unit-II

Economic Statistics: Index numbers-Defination, Applications of index numbers, Price relatives, Quantity & Value relatives, Link and Chain Relatives, Problems involved in computation of index number, Use of averages, Simple aggregative and Weighted average methods Laspeyre's Paasche's and Fisher's index number, Tests for index numbers. Consumer price index.

18 hours

Unit-III

Time Series Analysis: Definition its differents components, illus-

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trations, additive and multiplicative models. Different Methods for determination of trend & seasonal fluctuation alongwith their merits & demerits. 18 hours

Unit-IV

Educational Statistics: Methods of standardization of scales and tests, Z-scores, t-scores Standard scores, Perventile score, Intelligence Quotient and its measurement and uses, validity of test scores reliability of scores and their determination. 18 hours

Unit-V

Statistical Quality Control: Concept of SQC, Process control & Product control. Causes of variation in quality, General theory of control charts, control limits, sub-grouping, Summary of out-of control criteria. Control charts for variables: Construction of Mean and Range charts. Concept of Defects and Defectives. Control Charts for attributes: Construction of np-chart, p-chart, c-chart and their merits and demerits. 18 hours

REFERENCES:

1. Croxton F.E. Cowden D.J. (1969): Applied General Statistics, Prentice Hall of India.
2. Duncan A.J. (1974): Quality Control and Industrial Statistics, Taraporewala and Sons.
3. Goon A.M. Gupta M.K. Das Gupta. B. (1986): Fundamentals of Statistics, Vol.II, World Press, Calcutta.
4. Grant E.L. (1964): Statistical Quality Control, Mc Graw Hill.
5. Guilford J.P. & Fruchter B: Fundamental Statistics in Psychology and Education (1980). Mc Graw Hill.
6. Guilford J.P. (1954): Psychometric Method. Mc Graw Hill.
7. Srtivatava O.S. (1983): A Textbook of Demography, Vikas Publishing.
8. S.C. Gupta & V.K. Kapoor: Fundamentals of Applied Statistics, Sultan Chand and Sons., New Delhi.

ADDITIONAL REFERENCES:

1. Freeman Frank S. (1962): Psychological Testing, Oxford & IBH Publishing Co.
2. Gupta and Mukhopadhyay P.P : Applied Statistics, Central Book Agency.
3. Pressat R(1978): Statistical Demography, Methuen and Co. Ltd

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Subject : Statistics Paper III
Practical Paper

1. Tests of significance based on t, Chi-square, F. Testing of significance of sample correlation coefficient, use of Z transformation.
2. Large sample tests for means and proportions. Tests of goodness of fit and independence of attributes in contingency tables.
3. Non parametric tests: Sign, Run, Median (for large samples)
4. Computation of mortality and fertility rates. Construction of life table.
5. Construction of Index Numbers by Laspeyre's, Paasche's, Fishers's, Chain Base Indices. Consumer price index.
6. Tests for Index numbers.
7. Determination of trend in a time series and construction of seasonal indices.
8. Drawing of X, R, np, p and C-Charts.

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APPLIED STATISTICS

Marks Scheme

Paper	Nomenclature	Marks		No. of hours per week
		Science	Arts	
Paper I	Statistical Inference	50 mark	65 marks	3 hours
Paper II	Statistical Applications in Society and Industry	50 mark	65 marks	3 hours
Paper III	Practical based on Paper I,II	50 mark	70 marks	4 hours
Total		150	200	10 hours

Note: In each Question paper, 10 (ten) questions will be set having 2 (Two) from each unit. Candidates have to answer five questions in all, taking not more than one from each unit.

Subject : Applied Statistics

Paper I (Statistical Inference)

Unit-I

Sampling from a distribution : Concept of statistic and its sampling distribution. Sampling distribution for mean of Binomial, Poisson and Normal Distribution. Chi-square Distribution: Definition, moments, C.G.F., Mode & Skewness and other properties (without

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proof). Applications.-Testing Normal Population variance, Test for Goodness of fit; Contingency Table & Independence of attributes, Yates's correction. 18 hours

Unit-II

t-Distribution : Definition of Student's -t & Fisher's -t Statistic. Property and Applications of t-distribution for testing-Single mean, difference of two means, observed sample correlation coefficient Paired t-test., F-Distribution : Definition, Mean, Variance & mode. Application of F distribution- Testing of equality of two variances. Relationship between t, F and Chi-square Distributions. without proof. 18 hours

Unit-III

Theory of Estimation: Point Estimation- Problems for Point Estimation; Criterion of a good estimator (Unbiasedness, Consistency, Efficiency, Sufficiency). MVUE. Method of moments. Methods of Maximum likelihood Interval Estimation-. Confidence Interval for mean, variance, difference of means and ratio of variances for normal populations. 18 hours

Unit-IV

Testing of Hypothesis: Simple, Composite, Null and Alternative Hypothesis. Types of error, Critical region. BCR, Neyman-Person's Lemma (statement only) and its application. BCR in case of Binomial, Poisson, and Normal Population. 18 hours

Unit-V

Large sample test-Testing of single mean, proportion. Testing of difference of means and proportions. Non-Parametric Tests-Definition, Merits & Limitations. Sign test for one sample and two sample cases, Run Test, Median test. 18 hours

REFERENCES:

1. Goon A.M. Gupta M.K., Das Gupta B.(1991): Fundamentals of Statistics, Vol.I. World Press, Calcutta.
2. Hodges J.L. and Lehman E.L. (1964): Basic Concepts of Probability and statistics, Holden Day
3. Mood A.M., Graybill F.A. and Boes D.C. (1974): Introduction to the Theory of Statistics Mc Graw Hill.
4. Freund J.E. (2001): Mathematical Statistics, Prentice Hall of India.
5. S.C. Gupta & V.K. Kapoor: Fundamentals of Mathematical Statistics, Sultan Chand and sons. New Delhi.

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ADDITIONAL REFERENCES:

1. Bhatt B.R. Srivenkatramana T and Rao Madhava K.S. (1967):
Statistics: A Beginner's Text, Vol.II New Age International (P)
Ltd.
2. Rohatgi V.K. (1967): An Introduction to Probability Theory and
Mathematical Statistics, John Wiley & Sons.
3. Snedecor G.W. and Cochran W.G. (1967): Statistical Methods:
Iowa State University Press.
4. E.J. Dudewicz & S.N. Misra: Modern Mathematical Statistics.
John Wiley and Sons.

Subject : Applied Statistics

Paper II

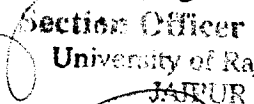
**(STATISTICAL APPLICATIONS IN
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Courses contents are same as that of subject statistics.

PAPER III

Practical Paper

Courses contents are same as that of subject statistics.


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9-A

II. PSYCHOLOGY

B.A./B.Sc.

Max. Marks : Arts & Science
200 150

Scheme :

Paper-I	3 hrs. duration	Arts/Sci. 75/50
Paper-II	3 hrs. duration	Arts/Sci. 75/50
Paper-III	Practical	Arts/Sci. 50/50

Note :

1. There will be three papers in Psychology. Each paper will be of 3 hours. There will be a common paper for Arts and Science. In I and II paper, Questions No. 1 will be compulsory and will cover the entire course contents of the paper. Question No. 1 will contain two parts A & B. A part of the question will contain 20 questions of multiple choice. Each question will be of 3/4 marks for Arts students and of 1/2 marks for Science students. Thus A part will be of 15 marks for Arts students and of 10 marks for Science students. B part will contain 10 question to

be answered in the limit of 20 words. Each question of B part will be of 1/2 marks for Arts students and of 1 mark for Science students.

2. Thus B part will be of 15 marks for Arts students and of 10 marks for Science students. Separate question paper for this objective type will be provided to each student and answers will be given in this question paper only in the space provided in the objective type question paper. Candidates will be given one hour to attempt this type question paper first compulsory question out of three hours in total time allotted for this paper. Thus total marks allotted for Arts students for first paper will be 30 and for Science students 20.

In the second part of the question paper three questions of essay type will be attempted selecting at least one from each section. Each question will be of 15 marks for Arts students and 10 marks for Science students. Two hours will be given for attempting this part.

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B.A./B.Sc. Pass Course Part-II

Paper-I Psychopathology

Section-A

1. **Introduction to Psychopathology;** The concept of normality and abnormality: Different Viewpoints; Characteristics of abnormal behaviour; Classification systems- ICD-10, DSM-IV (TR).
2. **Psychological Assessment:** Clinical Interview, Diagnostic tests- Intelligence, Neuropsychological, Personality; Behavioural and Bodily Assessment.
3. **Symptomatology and Etiology of Abnormal Behaviour:** Cognitive, Conative and Affective Symptoms; Biological, Psycho-social, Socio-cultural causes.

Section-B

4. **Anxiety Disorders-Nature and Types:** Generalized Anxiety and Panic disorder, Phobias and Obsessive Compulsive disorder.
5. **Somatoform and Mood disorder** – Nature and Types of Somatoform disorders- Conversion disorder and Hypochondriasis; Mood disorders- Depression and Bipolar disorder.
6. **Substance-Related disorders-** Substance-use and Substance-induced disorders; Alcohol-Related, Nicotine-Related and Sedative-Hypnotic or Anxiolytics-Related disorders and their treatment.

Mamta B

For

Section-C

7. **Schizophrenia** – Meaning, Clinical Symptoms, Types and Treatment.
8. **Clinical Intervention-** Psychoanalytic and Psychodynamic Therapy, Cognitive and Behaviour Therapy and Client Centered Therapy.
9. **Mental Health-** Meaning and Components, Factors Influencing Mental Health, Measures for Promoting Mental Health.

Reference Books:

1. Sarason, I.G. and Sarason, B.R. (2005) Abnormal Psychology. Delhi, Pearson Education
2. Lamm, A (1997): Introduction to Psychopathology N.Y. Sage.
3. Buss, A.H. (1999): Psychopathology, N.Y. John Wiley.
4. Arun Kumar Singh (2002), Adhunik Asamanya Manovigyan, Delhi, Motilal Banarsidas.

Paper-II Social Psychology

Section-A

1. **Introduction:** Social Psychology- Nature, Goal, Scope and New Perspectives; Methods of Social Psychology- Experimental and Non-experimental Method, Cross-cultural Research.
2. **Social Perception and Cognition:** Social Perception: Meaning, Non-verbal Communication, Attribution Theories: Correspondent Inference, Causal Attribution, Regulatory focus. Social Cognition: Schemas, Heuristics and Automatic Processing, Affect and Cognition.

Manu *AS* *AS*

3. **Attitudes: Nature and Functions, Formation, Change and Measurement of attitudes, Attitude-Behaviour Link.**

Section-B

4. **Prejudice and Discrimination: Nature and Origins, Reduction of Prejudice, Gender Stereotypes.**
5. **Interpersonal Attraction: Proximity and Affective basis; Acquaintance: Need to Affiliate, Effects of Observable Characteristics, Similarity and Mutual liking.**
6. **Leadership: Definition and Function; Types of Leadership; Trait and Situational Contingency Approaches; Leadership Training.**

Section-C

7. **Communication: Meaning and Nature, Types: Verbal and Non-Verbal; Barriers in communication.**
8. **Prosocial Behaviour: Personal, Situational and Socio-Cultural determinants. Explaining Prosocial Behaviour- The Empathy- Altruism Hypothesis, The Negative-State Relief Model, The Emphatic-Joy Hypothesis and The Genetic-Determinism Model.**
9. **Aggression and Social Problems: Aggression- Theories, Determinants, Prevention and Control; Meaning and Nature of Social Problems; Types of Social Problems- Poverty, Deprivation, Population Explosion, Economic Development; Solutions to Social Problems.**

Reference Books:

1. Baron, R.A. and Byrne.D. (1998): Social Psychology, New Delhi, Prentice Hall.
2. Myers, David G (1994): Exploring Social Psychology, New York; McGraw Hill

M. V. D. S.
AB
AS

3. अरुण कुमार सिंह (2002): समाज मनोविज्ञान की रूपरेखा'
मोतीलाल बनारसीदास, दिल्ली 1

Paper-III: Practical

1. Bogardus Social Distance scale
2. Sociometry
3. Measurement of Attitude
4. Measurement of Leadership
5. Measurement of Mental Health
6. Measurement of Anxiety
7. Quantification of Depression
8. Word Association Test
9. Sack's Sentence Completion test
10. Case study

Manda K. *Foot*

27. राजस्थानी

स्कीम : इस परीक्षा में दो प्रश्न पत्र होंगे। प्रथम मध्यकालीन राजस्थानी गद्य,
द्वितीय-मध्यकालीन राजस्थानी काव्य।

न्यूनतम उत्तीर्णांक 72

अधिकतम अंक 200

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प्रथम प्रश्न पत्र	समय 3 घंटे	अधिकतम 100
द्वितीय प्रश्न पत्र	समय 3 घंटे	अधिकतम 100

प्रथम प्रश्न पत्र : मध्यकालीन राजस्थानी गद्य

- (क) एक प्रश्न व्याख्या से संबंधित। प्रत्येक पुस्तक से एक (तीन व्याख्याएँ) $3 \times 12 = 36$
- (ख) तीन पुस्तकों पर एक-एक आलोचनात्मक प्रश्न (कुल तीन प्रश्न) $3 \times 16 = 48$
- (ग) एक प्रश्न—मध्यकालीन गद्य विधाओं और साहित्य पर। $1 \times 16 = 16$

पाठ्य पुस्तकें :

1. राजस्थानी बात संग्रह, सम्पादक मनोहर शर्मा, साहित्य अकादमी, रवीन्द्र भवन, नई दिल्ली। इस संग्रह की निम्नलिखित 15 बातें—
2,7,15,20,21,23,29,32,35,36,37,44,46,48
2. मारवाड़ रा उमरावां री बातां, संपादक—सौभाग्य सिंह शेखावत।

संदर्भ ग्रंथ :

1. राजस्थानी साहित्य की गौरवपूर्ण परम्परा—अगरचंद नाहटा, राधाकृष्ण प्रकाशन, दिल्ली
2. राजस्थानी बात साहित्य : डॉ. मनोहर शर्मा, राजस्थानी शोध संस्थान, चौपासनी, जोधपुर
3. राजस्थान बात साहित्य : डॉ. पूनम दइया, राजस्थानी भाषा, साहित्य एवं संस्कृति अकादमी, बीकानेर
4. राजस्थानी गद्य—उद्भव और विकास—डॉ. अचल, सार्दूल राजस्थानी रिसर्च इन्स्टीट्यूट, बीकानेर।

द्वितीय प्रश्न-पत्र : मध्यकालीन राजस्थानी काव्य

इस प्रश्न पत्र में पाँच प्रश्न होंगे।

- (क) प्रत्येक पुस्तक से एक-एक व्याख्या (कुल तीन व्याख्याएँ) $3 \times 12 = 36$
- (ख) प्रत्येक पुस्तक पर एक-एक आलोचनात्मक प्रश्न (कुल तीन प्रश्न) $3 \times 16 = 48$
- (ग) मध्यकालीन राजस्थानी काव्य विधाओं और साहित्य पर एक प्रश्न $1 \times 16 = 16$

पाठ्यपुस्तकें :

1. हालां झालां री कुण्डलियाँ—संपादक डॉ. मोतीलाल मेनारिया, राजस्थानी ग्रंथागार,

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ANTHROPOLOGY

Scheme :

Min. Pass Marks : 72

Paper-I 3 hours duration

Paper-II 3 hours duration

~~Field Report and Viva-voce~~

Max. Marks : 200

Max. Marks : ~~75~~/100

Max. Marks : ~~75~~/100

~~Max. Marks : 50~~

Note : Each paper will contain nine questions having three questions in each section. Candidates are required to attempt five questions in all selecting atleast one question from each section.

Paper-I : Introduction to Physical & Archaeological Anthropology

Section - A

1. Meaning and scope of Physical Anthropology.

Section - B

2. Archaeology as Anthropology
3. Human Evolution : Darwinism, Lamarckism and Synthetic Theory.
4. Human Variation : The Concept of Race.

Section - C

5. Palaeolithic, Mesolithic and Neolithic ages.
6. Study of Civilization with special reference to Indus Valley Civilization.

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Readings Recommended :

1. B.R.K. Shukla : Physical Anthropology.
2. A.R.N. Srivastava : Physical Anthropology.
3. Peter B. Hammond : Physical Anthropology and Archaeology.
4. D. Bhattacharya : Archaeology.
5. B.M. Das : Physical Anthropology.

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29- ANTHROPOLOGY

Paper – II: Research Methods & Field Techniques

Section – A

Nature of Anthropological Research. An introduction to major theoretical perspectives like evolutionism, functionalism and structuralism.

Section – B

Importance of field work Field work tradition in Anthropology.
The main features of field work. Technique, method and Methodology in Anthropological Research.

Section – C

Selection of problems and techniques of data collection, sampling, observation: participant and non-participant, Interview, Schedule and questionnaire, case study method.

Readings Recommended:

1. A.L. Epstein(ed.) The craft of Social Anthropology
Perti J. Pelto: Anthropological Research Structure of Enquiry
2. Evans Pritchard: Social Anthropology and other Essays.
3. P.V. Young: Survey Methods and Social Research
4. Makhan Jha: Theory and Method in Anthropology
5. N.K. Bahura: Anthropology: Thoughts and Theories.

Kshama
27/4/12

Mohu
27.4.2012

Sant
27-4-12

Ram
27.4.12

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29. DRAMATICS

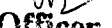
Scheme:

Duration

Max. Marks

**Min. Pass
Marks**

**B.A. Part - II (Drama) Examination 2007
(Revised Syllabus)**


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Paper-I Acting and Speech - Theory

Duration – 3 Hours Max. Marks–50 Min. Pass Marks-18

- I. Chaturdik Abhinaya Sidhant of Bharat Muni with reference to:
 - a. Angik Abhinaya
 - b. Vachik Abhinaya
 - c. Satvik Abhinaya (Rasa and Bhava)
- II. Acting Style in Commercial Theatre with reference to Parsi Theatre.
- III. Applied Acting Techniques and Training
 - a. Mime and Movement
 - b. Improvisation
- IV. Dramatic Speech - Mechanism and Technique :
 - a. Voice Mechanism
 - b. Speech Defects
 - c. Study of meter and rhythm
 - d. Punctuation
- V. Play production as communion art and its requirement (Group work, stage ethics, etc.)

Books Recommended :

1. Natyashastra–Bharatmuni (Tr. Babu Lal Shastri)
2. Bhartiya Natya Saundarya–Manohar Kale
3. Parsi Theatre–Ranbir Singh
4. Acting is Believing: A Basic Method–Charles McGraw Voce and the Actor – Cicely Berry

Paper-II Dramaturgy - Theory

Duration – 3 Hours Max. Marks–50 Min. Pass Marks-18

- I. Structure of Sanskrit Plays
- II. Selective study of Dasarupak of Dhananjaya
- III. Structure of Parsi plays and acting conventions
- IV. Detailed study of following plays:
 - a. Sanskrit plays
 1. Mrichchhikattikam
 2. Urubhangam
 3. Abhigyan Shakuntalam
 - b. Parsi plays
 1. Yahudi Ki Ladki–Aga Hashra Kashmiri
 2. Veer Abhimanyu–Radhey Shyam Kathavachak

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3. Ramayana–Narayan Prasad Betab
- c. Modern Indian Plays
1. Andha Yug
 2. Ashadh Ka Ek Din
 3. Khamosh Adalat Jari Hai

Books Recommended:-

1. Natyashastra–Bharatmuni (Tr. Babu Lal Shastri)
2. Dasarupak–Dhananjay (Tr. Govind Trigunayat)
3. Bhartiya Natya Saundarya–Manohar Kale
4. Parsi Hindi Rangmanch–Laxmi Narayan Lal
5. Bhartiya Rangmanch Ka Udbhav Evam Vikas–Dashrath Ojha
6. Natya Samikha –Dashrath Ojha
7. All the plays prescribed in Ch. IV

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COMPUTER APPLICATION
(Common for B.A./B.Com./B.Sc.)

		Science	Com./Arts
Paper I	Data Base Management System	50	65
Paper II	Structured Programming and Computer Graphics	50	65
Practical	Programming Laboratory	50	70
	On-the-Job training (4 weeks)		

The duration of these papers will be 3 hours.

Paper I : Data Base Management System

Categorization of DBMS Systems. Network. Hierarchical and relational databases. Application of DBMS systems.

Relational data bases management system. Why to use them and where. Data Description Language. Data Manipulation Language and Data Control Language.

Introduction to **DBASE**, **DBASE** commands. Development of an application under **DBASE** using forms, screens and **PRG. files**.

Security considerations in database management systems. Performance improvement in databases.

Relational databases - advanced concepts. Introduction to **ORACLE/INGRES** or a similar **RDBMS** on a multiuser environment.

Structured query language. Form design on a advanced **RDBMS**. Report generator, Query by example and Report by form. Accessing **RDBMS** using programming languages.

System management. User management Security considerations
Practical.

Design of a database for a business application. Design of data entry forms and report layouts for this database. Creation of programs to access and manipulate database.

Development of a business application in RDBMS.

Paper-II : Structured Programming and Computer Graphics

Introduction. Need of structured programming. Methods of documentation. Methods of analyzing a program requirements. Data flow diagrams. Entity relationship. Flow charts.

Various categories of programming language (3GL, 4GL, etc.), introduction to C and COBOL. Program development in C using structured programming concepts.

Why Graphics. Various types of graphics programs. Drafting packages. DTP packages. Microsoft Windows. Various documentation cum DTP packages e.g. Wordperfect, Microsoft Word etc.

Introduction to a Pagemaker/Ventura or a similar package. Preparation of documents using DTP package. Formatting. Various fonts and characters set. Various type of printers used in DTP. Introduction to commercial DTP system available in market. Indian language fonts. Creation of Indian language fonts.

Practical

Development of a business application using C.

Preparation of a document and publishing it using a DTP System. Creation of fonts.

Managing a Microsoft Window session. Creating groups and program items under Window. Turning Windows for a computer system.

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31. PHYSICAL EDUCATION

There shall be two theory papers of 60 marks each and a practical examination carrying 80 marks. A candidate must pass in theory and practical exam. separately.

Paper : I Anatomy and physiology of Exercise

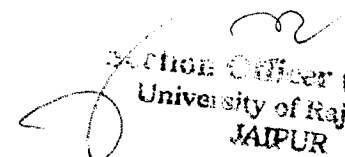
Time : 3 hours

Max. Marks : 60 Min. Pass Marks : 22

Unit I : Introduction

(A) Meaning and concept of Anatomy, Physiology and Exercise

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Physiology, its need and importance in Physical Education and Sports.

(B) Definition of cell, tissue, organ and systems. Microscopic structure of cell.

Unit II : Skeletal and Muscular System

(A) Elementary knowledge of skeleton system, teridnology of various movements around joints.

(B) Types of muscles (Voluntary, Involuntary and Cardiac) General characteristic (Properties) of Muscles (Elasticity, Contractibility and Irritability).

Unit III : System

(A) Brief Introduction and structure of various systems of the body (Cardio-vascular, Respiratory, Digestive, Nervous System)

(B) i. Pumping action of heart

ii. Mechanism of respiration

iii. Role of Glands in growth, development and body function.

Unit IV : Physical Fitness and Training

(A) Physiological Concept of Physical fitness, training warming up, conditioning and fatigue.

(B) Physiological aspects of development of strength enhance, skill, speed and agility.

Unit V : Physiology of Exercise

(i) Effect of exercises on respiratory circulatory muscular system.

(ii) Nuro Muscular Co-ordination

(iii) Second wind, Oxygen dept. and binesthetic sense.

(iv) Stich and Cramps

(v) Obesity and body weight control.

Books for Reference :

1. Morehouse & M Physiology of Exercise : C.V. Moshy Co., St. Louis.
2. Srivastava etc. : Textbook of Practical Physiology, Scientific Book Agency, Calcutta.
3. Cuyton A.C.: Functions of Human Body : W.B. Saunders Co. London.
4. Pearce Evelyn C : Antomy and Physiology of Nurses : Faber & Faber Ltd. London.

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5. Karpovich and Sinnser : Physiology of Muscular Activity : W.B. Saunders Co. London.
6. Pearce J.W. : Anatomy for students and teacher of physical Education : Edward Arnold & Co., London.
7. Duvel Ellen Neill Kinesiology : The Anatomy of Motion.
8. देशपाण्डे सुरेश : मानव क्रिया विज्ञान : हनुमान व्यायाम मण्डल, अमरावती।
9. सिंह टी.के. : शरीर रचना एवं शरीर क्रिया विज्ञान : दीपक प्रकाशन, जोधपुर।
10. आर्मस्ट्रॉंग व जैकसन : नर्सों के लिए शरीर सम्बन्धी ज्ञान : एन.आर. ब्रदर्स, इंदौर।
11. कंवर रमेश चन्द : शरीर क्रिया विज्ञान व स्वास्थ्य शिक्षा : अमित बद्रर्स, नागपुर।
12. ध्यानी वी.एस. : शरीर क्रिया विज्ञानीया : चौखम्भा ओरियन्टल, वाराणसी।
13. पाण्डेय के. और वर्मा पी. : शरीर क्रिया विज्ञान, हिन्दी मा.का. निदेशालय, दिल्ली।
14. अजमेर सिंह और अन्य : शारीरिक शिक्षा स्वास्थ्य एवं खेलों की आधुनिक पाठ्य पुस्तक (बी.ए. पार्ट II, III) : कल्याणी पब्लिकेशंस, लुधियाना।

Paper-II : Managements & Methods of Physical Education

Time : 3 hours

Max. Marks : 60 Min. Pass Marks : 22

Unit I : Introduction

1. Meaning and importance of "Teaching Methods", Factors to be considered in determining the methods of teaching.
2. Types of Teaching Methods.
3. Principles of Teaching.

Unit II : Organisation

Organisation of Sports and National, State, District and village Level for Educational Institutions, Open tournaments & Annual Sports Meet

Unit III : Tournaments

Meaning, types of Tournaments, Method of drawing fixtures, Merits and Demerit of various types of Tournaments.

Unit IV : Facilities and Equipments

1. Need and importance of equipments for Physical Education.
2. An ideal list of equipments for Physical Education.
3. Realistic approach in purchases, purchases procedures.
4. Development of improvised equipment and storekeeper.

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Unit V : Office Management and Budget.

- (a) Maintenance of Records, Filing and Office correspondence.
(b) Physical Education Budget and its preparation, Maintenance of Accounts, Income & Expenditure (Sources).

Books Recommended :

1. G. Tirunarayanan & S. Hariharan : **Methods in Physical Education**, Alagappa College of Physical Education, Alagappauram Karaijudi.
2. Hari Shankar Sharma : **Physical Education - Organisation, Administration and Supervision (Hindi)**.
3. Knapp Clyde and Hagman, E.P. : **Teaching Methods for Physical Education**, New York : Mc Graw Hill Book Co. 1984.
4. Bucher C.A. : **Administration of Physical Education and Atuletic Programmes**. The C.V. Kosby Company, London, 1983.
5. Zelgler, E.F. And Bowiew G.W. : **Management Competency Development in sports and physical education**, Lea and Febler, Philadelphia, 1983.
6. कंवर आर.सी. : शारीरिक शिक्षा संगठन एवं प्रशासन, अमित ब्रदर्स, नागपुर।
7. अरोड़ा पी.के. : शारीरिक शिक्षा में संगठन, संचालन एवं मनोरंजन, प्रकाश ब्रदर्स, लुधियाना।
8. कमरकर ए.के. और श्रीवास्तव ए.के. : शारीरिक शिक्षा संगठन, प्रशासन, पर्यवेक्षण एवं शिविर, सुयोग प्रकाशन, अमरावती।
9. मोहम्मद वाहित और दीक्षित एन.के. : शारीरिक शिक्षा में शिक्षण विधियाँ : डालीगंज रेलवे क्रॉसिंग, लखनऊ।
10. पाण्डेय लक्ष्मीकान्त : शारीरिक शिक्षा की शिक्षण पद्धति, मैट्रोपोलिटन बुक कं.प्रा.लि., नई दिल्ली।
11. वैष्णव राजेन्द्र प्रसाद : शारीरिक शिक्षा का संगठन व विधियाँ : श्रीयांश पब्लिकेशन्स, जयपुर।
12. श्रीवास्तव ए.के. : शारीरिक शिक्षा और खेल में संगठन व पर्यवेक्षण, दिल्ली।
13. अजमेर सिंह और अन्य : शारीरिक शिक्षा स्वास्थ्य एवं खेलों की आधुनिक पाठ्यपुस्तक (बी.ए. पार्ट I, II, III) : कल्याणी पब्लिकेशन, लुधियाना।
14. सिद्धाना अशोक कुमार : शारीरिक शिक्षा सिद्धांत, मनोविज्ञान एवं इतिहास : श्रीयांश पब्लिकेशन्स, जयपुर।

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Syllabus B.A. Part-II

Practical

Max. Marks 80 Min. Pass Marks 28

The practical examination shall be conducted by a panel of two examiners.

A candidate shall be required to show his/her familiarity (Rules & Techniques) and give performance/demonstration in the following :

1. Athletics (Compulsory) 40 Marks

Triple-Jump, Pole Vault, Javelin, Hammer and Walking.

2. Any one game of candidates choice from the following :

40 Marks

(a) Cricket (b) Hockey (c) Kho-kho (d) Yoga

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32. INDIAN HERITAGE IN RURAL HANDICRAFTS

Scheme	Max. Marks	Min.Pass Marks
1. Theory : One Paper 3 hrs.	60	22
2. Practical	80	28
3. Submission	<u>60</u>	<u>22</u>
Total	<u>200</u>	<u>72</u>

1. Study of tools used in the early period made of:
(a) Stone (b) Copper & Bronze (c) Iron & Steel
2. Machines and power tools-their uses, constructional particulars, operational processes and method maintenance, safety measures to be observed while operating them.
3. Special jigs and props for minimising manual labour and to increase productivity in manufacturing rural handicrafts.
4. Classification of raw materials method of identifying defects. Preservation and seasoning auxiliary methods of using different tools-safety precaution to be taken. Simple exercises involving cutting, fixing, fitting, drilling, forging, planning, polishing, etc.

Paper II (Practical)

5 Hrs. Duration

Max. Marks : 80

Min. Pass Marks : 28


- (a) Wood work: Preparation of tools preparation of wood, marking and practice in different joints, making small objects like toys, paper weight and solid geometric forms.
- (b) Paper machine work : Preparation of toys dolls pots and decorative items.

Submission Works

Max. Marks : 60

Min. Pass Marks : 22


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- Note (1) :** Submission work will be submitted to the head of the department of Rural Handicrafts of the college 15 days before the commencement of examination. The marks in the submission will be awarded by the subject teacher (internal). However the external examiner shall be empowered to review the work of submission in case there is a drastic difference between the marks of the examination and submission.
- (2)** Candidates should pass in theory as well as in practical paper separately.

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