UNIVERSITY OF RAJASTHAN

JAIPUR

SYLLABUS

B.A.- PART- II

EXAMINATION 2016

Prepared by

Checked by

Asstt. Registrar (Acad-I)
University of Rajasthan
JAIPUR

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
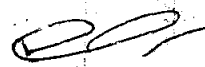Second Division 48% Part I, Part II & Part III Examinations, taken together.

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 examinations

Asstt. Registrar (Acad-I)

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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)

S. No.	Name of the Subject	No. of Papers	Duration	Max. Marks	Min. Pass Marks
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	

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	54
		Viva-voce	3 hrs.	75		
15.	German	Paper I	3 hrs.	75		
		Paper II	3 hrs.	75	150	54
		Viva-voce	3 hrs.	50		
16.	Home Science	Paper III	3 hrs.	66	132	48
		Paper IV	3 hrs.	75	260	72
		Practical Two	3 hrs. each	25+25=75		27
17.	Textile Craft	Paper I	3 hrs.	30	60	22
		Paper II	3 hrs.	30		
		Two Practical	35 each	70	25	
		Two Submission	35 each	70	25	
18.	Investigative Bio-Technology	Paper I	3 hrs.	40	25	
		Paper II	3 hrs.	40	15	
		Practical		120	42	
19.	Garment Production & Export Management	Paper I	3 hrs.	30	80	36
		Paper II	3 hrs.	50		

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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English Literature
B.A. Part II

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
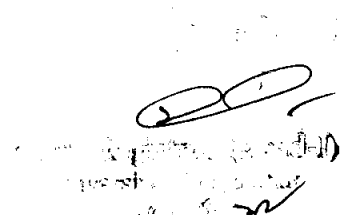
Maximum Marks: 100

Duration: 3 hrs   **Min. Pass Marks: 36**

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 lines 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 form *Strings of Gold* Part II ed. **Jasbir Jain** (Macmillan)

Thomas Gray: Elegy Written in a Country Churchyard.

William Blake: London

William Wordsworth: The World is Too Much with Us

                    The Solitary Reaper

S.T. Coleridge: Christabel – Part I

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

P.B. Shelley: Ode the West Wind

John Keats: To Autumn

SECTION B

The following poems from *Ten Twentieth Century Poets* ed. R. Parthasarathy (O.U.P.):

Nissim Ezekiel:
- a. Enterprise
- b. Night of The Scorpion

Kamala Das:
- a. My Grandmother's House
- b. A Hot Noon in Malabar

Arun Kolatkar:
- a. An Old Woman
- b. The Bus

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c. Chaitanya

A.K. Ramanujan:

    a. Of Mothers, Among Other Things

    b. Obituary

    c. A River

SECTION C

Ibsen: *A Doll's House*

Tagore: *Chandalika*

Paper II: Prose and Fiction

Maximum Marks: 100

Duration: 3 hrs   **Min. Pass Marks: 36**

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 lines 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 (O.U.P.)

S. Radhakrishnan: The Gandhian Outlook

R.K. Narayan: A Bookish Topic

J.B. Priestley: Making Writing Simple

Virginia Woolf: How Should One Read a Book?

The following short stories from *The Pointed Vision* Edited by Usha Bande and Krishnan Gopal, (O.U.P.)

Leo Tolstoy: Three Questions

Pearl S Buck: The Refugees

R.K. Narayan: Under the Banyan Tree

D.R. Sharma: That Pagli

Alice Walker: Am I Blue?

SECTION B

Rama Mehta: *Inside the Haveli*

Ernest Hemingway: *Old Man and The Sea*

SECTION C

Note Making, Summarizing, Writing a Dialogue

Recommended Reading:

Vandana R. Singh: *The Written Word* (O.U.P.)

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२. हिन्दी साहित्य

बी.ए. द्वितीय वर्ष : प्रथम प्रश्न पत्र
रीतिकाव्य

पूर्णांक : 100   अवधि : 3 घण्टे

1. केशव : रामचंद्रिका – सोलहवाँ प्रकाश– अँगद रावण संवाद

2. बिहारी : (बिहारी रत्नाकर) दोहा संख्या – 1, 11, 13, 16, 25, 31, 34, 37, 60, 62, 63, 67,
    68, 69, 73, 94, 104, 121, 171, 201, 207, 217, 302, 306, 309,

    संदर्भ : (क्रम सं. 3 से 7 तक के लिए रीति काव्यधारा – डॉ.रामचन्द्र तिवारी, विश्वविद्यालय
    प्रकाशन, वाराणसी)

3. देव : पद संख्या–1, 3, 5, 8, 11, 16, 19, 20, 21, 29, 33, 36, 41, 42, 50 (कुल 15 पद)

4. भूषण : पद संख्या–1, 3, 4, 5, 9, 10, 11, 18, 20, 22, 23, 24, 29, 30, 34 (कुल 15 पद)

5. घनानंदः पद संख्या–3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 19, 23 (कुल 15 पद)

6. आलम : पद संख्या–1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 14, 15, 18, 19, 22 (कुल 15 पद)

7. पद्माकर : पद संख्या–1,4,7, 10, 11, 13, 14, 15, 16, 18, 20, 21, 22, 23, 25 (कुल 15 पद)

अंक विभाजन : व्याख्या – कुल चार (सभी कवियों से व्याख्या पूछी जाएगी)
            आन्तरिक विकल्प देय   (4 x 10 = 40) अंक
            आलोचनात्मक प्रश्न– कुल चार (4 x 15 = 60) अंक
            अंतिम प्रश्न टिप्पणी परक होगा। कुल दो टिप्पणियाँ 7½ - 7½ अंकों की पूछी जाएगी।
            आन्तरिक विकल्प देय होगा।

बी.ए. द्वितीय वर्ष : द्वितीय प्रश्न पत्र
उपन्यास एवं एकांकी

पूर्णांक : 100   अवधि : 3 घण्टे

उपन्यास :   अमृतलाल नागर – मानस का हंस

एकांकी :   राम कुमार वर्मा – औरंगजेब की आखिरी रात
                 भुवनेश्वर – ऊसर
                 उदयशंकर भट्ट – परदे के पीछे
                 गोविन्दवल्लभ पंत – विष कन्या
                 जगदीश चंद्र माथुर – भोर का तारा
                 विष्णु प्रभाकर – और वह जा न सकी
                 उपेन्द्र नाथ अश्क – लक्ष्मी का स्वागत

अंक विभाजन :   व्याख्या – कुल चार   (सभी पाठों से व्याख्या पूछी जाएगी)
                   आन्तरिक विकल्प देय   (4 x 10 = 40) अंक
                   आलोचनात्मक प्रश्न– कुल चार   (4 x 15 = 60) अंक
                   अंतिम प्रश्न टिप्पणी परक होगा। कुल दो टिप्पणियाँ 7½ - 7½ अंकों की पूछी जाएगी।
                   आन्तरिक विकल्प देय होगा।

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B.A. Part-II Urdu

3 URDU

Paper-I Poetry and Critical Appreciation

Max.Marks 100   3 Hrs.   Min. Pass Marks 36

Books Prescribed:
1. Shahpare Published By Idara-e-Nashr-o-Ishayat, Allahabad University,
    Allahabad (1991 Edition)
The following are prescribed from the text Book:-
A)   Ghazalyat: Dard, Momin, Nasikh
B)   Qasida : Wah Wah Kya Motadil Hai Baghe Alam Ki Hawa of Zauq
C)   Marsiya : Namake Khawane Takallum Hai Fasahat Meri of Meer Anis
Division of Marks:

Unit I	Ten short answer type questions.	20
Unit II	Explanation of Two Out of Three Ghazal/Qasida/Marsiya Passages.	20
Unit III	Critical Appreciation of Poet: Dard, Momin and Nasikh with Internal Choice	20
Unit IV	General Questions on Zauq & Anis..	20
Unit V	General question on Ghazal, Qasida and Marsiya.	20
		Total 100

Note: Attempt at least one question from each unit. All the short answer
           type question of unit I are compulsory.

URDU
Paper II (Prose)

Max.Marks 100   3 Hrs.   Min. Pass Marks 36

Books Prescribed:
1. Intikhabe Nasr-Part-II 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. Afsana : 1. Kafan: Premchand
3. Novel : 1. Ziddi : Ismat Chughtai.
Division of Marks:

Unit I	Ten short answer type questions.	20
Unit II	Explanation of Two Out of Three Prose 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 Novel & Afsana.	20
		Total 100

Note: Attempt at least one question from each unit. All the short answer
           type questions of unit I are compulsory.

4. PERSIAN

B.A. II Persian — Exam 2016

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 & Poetry)

M.M. : 100   3 hrs.   Min. Pass Marks. 36

Books Prescribed:

1. Nisab-e-Jadeed Farsi Bara-e-B.A.

    (Hissa Nasar Wa Nazm) published by Jayyed Press Delhi.

Prose Section

1. Inlekhab-e-Zindigi-e-Man Kudki, Mah-e-Man

2. Dastan Hai Kotah

    Mohd. Hijazi

    (a) Idi   (b) Khudkushi

Poetry Section

1. Qasaid Urfi

    Dar Wasaf Kashmeer

2. Intekab-e-Masnavi (Page No,: 118-129)

3. Rubaiyate Umar Khyyam 1 to 20 Rubaiyat

Division of Marks:

Unit-1	(A)Ten short answer type questions based on full paper.	10
	(B) Translation of two prose passages out of three into Urdu	10
Unit-2	Translation of two Poetry Passages out of three into Urdu	20
Unit-3	General Question on Prose Writer	20
Unit-4	General Question on Poetry Writer.	20
Unit-5	Summary of prescribed lessons.	20
	Total	100

Note: Unit-I Both A and B questions are compulsory.

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Paper-II

Fiction, History of Persian Literature and Translation

M.M. : 100   3 hrs.   Min. Pass Marks. 36

Books Prescribed :

1.   Nisab-e-Jadeed Farsi Bara-e-B.A. (Hissa-e-Nasr)

Published By Jayyed Press, Delhi
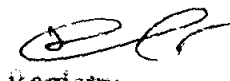
Only Intekhab-e-Haji-BABA

(Upto Guftar Suwwum)

Books Recommended:

1.   Sher-ulAjam Part I & II By Shibli Nomani

2.   Tarikh-e-Adabiyat-e-Iran By Dr. Raza Zada Shafaq Translated in Urdu By Mubarizudin Rifat.

Division of Marks

Unit-1	(A) Ten short answer type questions based on full paper.	10
	(B) Translation of two passages out of three prescribed Fiction into Urdu	10
Unit-2	General Question on Fiction/Character	20
Unit-3	History of Persian Literature (From Tahir Period to Safawid Period)	20
Unit-4	Question on Prescribed Lessons	20
Unit-5	Translation of five Urdu sentences into Persian out of ten	20
	Total	100

Note: Unit-I Both A and B questions are compulsory.

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 :

Alquirature 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-Ul-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.

(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 wannaj-did.

(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 Altwaaba.

Essay or Letter.

संस्कृत

सामान्य निर्देश –

1. प्रत्येक परीक्षा में दो–दो प्रश्नपत्र होंगे।

2. प्रत्येक प्रश्नपत्र में न्यूनतम उत्तीर्णांक 36 तथा पूर्णांक 100 होंगे और समय 3 घण्टे का होगा।

3. परीक्षा का माध्यम हिन्दी/अंग्रेजी होगा परन्तु प्रश्नपत्र केवल हिन्दी में बनाया जायेगा। परीक्षार्थी को छूट होगी कि वह 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 केवल देवनागरी लिपि में ही लिखा जाना अपेक्षित है।

5. निर्धारित ग्रन्थ में से अनुवाद, व्याख्या, सरलार्थ एवं समालोचनात्मक प्रश्न पूछे जावेंगे।

6. प्रत्येक प्रश्नपत्र में 10 प्रतिशत अंक संस्कृत भाषा में उत्तर के लिये निर्धारित हैं। प्रत्येक प्रश्नपत्र में 15 प्रश्न लघूत्तरात्मक होंगे जिनमें से प्रथम 5 प्रश्नों का उत्तर संस्कृत भाषा के माध्यम से देना होगा, प्रत्येक प्रश्न के लिए 2 अंक निर्धारित हैं। जिस प्रश्नपत्र में संस्कृत अनुवाद/निबन्ध पूछे गए हैं वहाँ संस्कृत में उत्तर अपेक्षित नहीं हैं।

परीक्षा योजना– न्यूनतम उत्तीर्णांक–72   पूर्णांक–200

प्रथम प्रश्न–पत्र   अंक–100

द्वितीय प्रश्न–पत्र   अंक–100

प्रथम प्रश्न–पत्र– वैदिक साहित्य, गद्य साहित्य एवं व्याकरण

समय:3घण्टे   अंक100

प्रथम प्रश्न में निर्धारित ग्रन्थ में से लघूत्तरात्मक निबन्धात्मक, अनुवाद, व्याख्या व समालोचनात्मक प्रश्न पूछे जायेंगे। 15 प्रश्न लघूत्तरात्मक होंगे जिनमें से प्रथम 5 प्रश्नों का

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उत्तर संस्कृत भाषा के माध्यम से देना होगा, प्रत्येक प्रश्न के लिए 2 अंक निर्धारित हैं। जिस प्रश्नपत्र में संस्कृत अनुवाद / निबन्ध पूछे गए हैं वहाँ संस्कृत में उत्तर अपेक्षित नहीं हैं।

पाठ्यक्रम

1. वैदिक साहित्य

(क) ऋग्वेद के निम्नलिखित सूक्तों का अध्ययन–   20 अंक

अग्निसूक्त (1 / 1) वरुणसूक्त (1 / 25) इन्द्रसूक्त (2 / 12) क्षेत्रपतिसूक्त (4 / 57)
विश्वेदेवासूक्त (8 / 58) प्रजापतिसूक्त (10 / 121) संज्ञानसूक्त (10 / 191)
इन सूक्तों के मंत्रों का अनुवाद, व्याख्यात्मक टिप्पणी एवं उक्त देवताओं का चरित्र, स्वरुप से सम्बन्धित प्रश्न निर्धारित हैं।

(ख) कठोपनिषद्– प्रथम अध्याय–प्रथम वल्ली   10 अंक

2. गद्य साहित्य–   शुकनासोपदेश (कादम्बरी–बाणभट्ट से)   25 अंक

3. वैदिक साहित्य का इतिहास   10 अंक

(क) वेद तथा प्रमुख ब्राह्मण ग्रन्थों का सामान्य परिचय

4. व्याकरण– लघुसिद्धान्तकौमुदी–नामिक (अजन्त एवं हलन्त)35 अंक

(क) हलन्त प्रकरण–   15अंक

निम्नलिखित शब्दों की रूपसिद्धि एवं इनमें प्रयुक्त होने वाले
सूत्रों का अर्थज्ञान– विश्ववाह्, राजन्, भगवत्, विद्वस्, युष्मद्, अस्मद् और चतुर्, इदम्।

(ख) तिङन्त प्रकरण –   20 अंक

निम्नलिखित धातुओं की रूपसिद्धि एवं इनमें प्रयुक्त होने वाले
सूत्रों का अर्थज्ञान – भू एध्, अद्, दिव्, हु, सु, तन, क्री, रूध्, तुद्, चुर् धातु।

अंक– विभाजन

क्र.सं.	नाम पुस्तक	लघूत्तरात्मकप्रश्न	अंक	निबन्धात्मक प्रश्न संख्या	अंक	अंको का योग
1.	ऋग्वेद	लघूत्तरात्मक 2	04	02	16	4+16=20
2.	कठोपनिषद्	लघूत्तरात्मक 2	04	01	06	4+06=10
3.	शुकनासोपदेश	लघूत्तरात्मक 4	08	02	17	8+17=25

4.	वैदिक साहित्य का इतिहास	—		01	10	10
		—				
5.	लघुसिद्धान्त कौमुदी क– हलन्त	लघूत्तरात्मक 03	06	02	09	6+9=15
	ख–तिङन्त(धातुरूप)	लघूत्तरात्मक 04	08	02	12	8+12=20
	कुल योग		15	30	10	70	100

प्रश्न–पत्र का निर्माण निम्नानुसार होगा –

1. सभी प्रश्न अनिवार्य हैं।
2. प्रत्येक पुस्तक से लघूत्तरात्मक व निबन्धात्मक, व्याख्यात्मक प्रश्न पूछे जायेंगे ।
लघूत्तरात्मक प्रश्न के 2 अंक निर्धारित हैं।

<center>निबन्धात्मक/ व्याख्यात्मक प्रश्न</center>

1.वैदिक साहित्य

(क) ऋग्वेद – प्रश्न सं. 1 में 4 मन्त्र पूछकर उनमें से किसी 2 की
सप्रसंग व्याख्या पूछी जायेगी।   10 अंक

प्रश्न सं 2 में देवताओं के स्वरूप सम्बन्धी प्रश्न में से
किसी एक का उत्तर अपेक्षित है।   06 अंक

(ख) कठोपनिषद्–प्रश्न सं. 3 में 2 मन्त्र पूछकर किसी एक की व्याख्या अपेक्षित है।
06 अंक

2. शुकनासोपदेश

प्रश्न सं. 4 में 4 गद्यांश पूछकर उनमें से किन्हीं 2 की सप्रसंग
व्याख्या पूछी जायेगी।   6+6=12 अंक

प्रश्न सं. 5 में दो विवेचनात्मक प्रश्न पूछकर किसी एक प्रश्न का उत्तर देय
होगा।   05 अंक

3. वैदिक साहित्य का इतिहास

प्रश्न सं. 6 में 2 विवेचनात्मक मन्त्र पूछकर 1 प्रश्न का उत्तर देय होगा।
10 अंक

4. लघुसिद्धान्त कौमुदी

(17)

(क) हलन्त–प्रश्न सं. 7 में 4 सूत्र पूछकर 2 सूत्रों की व्याख्या अपेक्षित है।
प्रति व्याख्या 2.5 अंक की होगी।   05 अंक
प्रश्न सं. 8 में 4 शब्दों की सिद्धि पूछकर 2 शब्दों की
सिद्धि अपेक्षित है। प्रति सिद्धि 2 अंक की होगी।   04 अंक

(ख) तिङन्त–प्रश्न सं. 9 में 4 सूत्र पूछकर 2 सूत्रों की व्याख्या अपेक्षित है।
प्रति व्याख्या 2 अंक की होगी।   04 अंक
प्रश्न सं. 10 में 4 शब्दों की सिद्धि पूछकर 2 शब्दों की
सिद्धि अपेक्षित है। प्रति सिद्धि 2 अंक की होगी।   08 अंक

सहायक पुस्तकें

1. वैदिक सूक्त मुक्तावली– डॉ. सुधीर कुमार गुप्त , हंसा प्रकाशन, जयपुर।
2. ऋक्सूक्त मंजरी– डॉ. सुभाष वेदालंकार, –अलंकार प्रकाशन, जयपुर।
3. ऋग्वेदसंहिता–एफ. मैक्समूलर–चौखम्बा प्रतिष्ठान दिल्ली।
4. ऋग्वेदसंहिता–डॉ.शारदा चतुर्वेदी–चौखम्बा प्रतिष्ठान दिल्ली।
5. ऋग्वेदसंहिता–वी.के.शर्मा–चौखम्बा प्रतिष्ठान दिल्ली।
6. कठोपनिषद्–वैजनाथ पाण्डेय–मोतीलाल बनारसीदास ,दिल्ली।
7. कठोपनिषद्–डॉ. राजेन्द्रप्रसाद शर्मा–जगदीश संस्कृत पुस्तकालय, जयपुर।
8. कठोपनिषद्–रचना प्रकाशन, जयपुर।
9. कठोपनिषद्(प्रथम वल्ली)– डॉ. सुभाष वेदालंकार, –अलंकार प्रकाशन, जयपुर।

गद्य–साहित्यः

1. शुकनासोपदेश– डॉ. सुभाष वेदालंकार, अजमेरा बुक कम्पनी , जयपुर।
2. शुकनासोपदेश–महालक्ष्मी प्रकाशन, आगरा।
3. शुकनासोपदेश–डॉ. श्रीकृष्ण ओझा, आदर्श प्रकाशन, जयपुर।
4. कादम्बरी– चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली।

संस्कृत साहित्य का इतिहास :

1. संस्कृत साहित्य की रूपरेखा–चन्द्रशेखर पाण्डेय, चौखम्बा प्रकाशन , वाराणसी।
2. संस्कृत साहित्य का नवीन इतिहास–डॉ. पुष्करदत्त शर्मा।
3. संस्कृत साहित्य का समालोचनात्मक इतिहास–डॉ. रामजी उपाध्याय, रामनारायण बेनीमाधव, इलाहाबाद।
4. संस्कृत साहित्य का इतिहास– श्री सत्यनारायण शास्त्री, आर्य बुक डिपो, दिल्ली।
5. संस्कृत साहित्य का इतिहास– डॉ. बलदेव उपाध्याय, चौखम्बा प्रकाशन, वाराणसी।

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JAIPUR

6. संस्कृत साहित्य का इतिहास– मंगलदेव शास्त्री, मोतीलाल बनारसीदास, दिल्ली।

7. संस्कृत साहित्य का इतिहास– प्रो. उमाशंकर शर्मा ऋषि, चौखम्बा प्रतिष्ठान दिल्ली।

8. संस्कृत साहित्य का इतिहास– डॉ रमाशंकर त्रिपाठी चौखम्बा प्रतिष्ठान दिल्ली।

9. वैदिक साहित्य एवं संस्कृति का स्वरूप– ओम प्रकाश पाण्डेय, विश्व प्रकाशन।

लघुसिद्धान्त कौमुदीः

1. लघुसिद्धान्त कौमुदी–डॉ. अर्कनाथ चौधरी, जगदीश संस्कृत पुस्तकालय, जयपुर।

2. लघुसिद्धान्त कौमुदी– महेशसिंह कुशवाह–प्रथम व द्वितीय भाग, चौखम्बा संस्कृत प्रतिष्ठान दिल्ली।

3. लघुसिद्धान्तकौमुदी, श्रीश्रीधरानन्द शास्त्री, मोतीलाल बनारसीदास, दिल्ली।

4. लघुसिद्धान्तकौमुदी, विश्वनाथ शास्त्री, मोतीलाल बनारसीदास, दिल्ली।

द्वितीय प्रश्नपत्र

नाटक, छन्द, अलंकार एवं संस्कृत साहित्य का इतिहास

समयः3घण्टे   अंक100

प्रथम प्रश्न में निर्धारित ग्रन्थ में से लघूत्तरात्मक निबन्धात्मक, अनुवाद, व्याख्या व समालोचनात्मक प्रश्न पूछे जायेंगे।

पाठ्यक्रम

1. अभिज्ञानशाकुन्तलम्– कालिदास   45 अंक

2. छन्द– अभिज्ञानशाकुन्तलम् के आधार पर निम्नलिखित छन्दों के लक्षण एवं उदाहरण–अनुष्टुप्, आर्या, उपजाति, भुजंगप्रयात, वसन्ततिलका, शिखरिणी, मालिनी, शार्दूलविक्रीडित, इन्द्रवज्रा, उपेन्द्रवज्रा, रथोद्धता, हरिणी, स्रग्धरा, मन्दाकान्ता।   10 अंक

अलंकार– काव्यदीपिका(अष्टम शिखा) 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   25 अंक

   (क) वीरकाव्य : रामायण तथा महाभारत

   (ख) महाकाव्य एवं काव्य–कालिदास, अश्वघोष, भारवि, माघ।

(ग) गीति काव्य– कालिदास, हाल, भर्तृहरि, पण्डितराज जगन्नाथ।
(घ) गद्य काव्य– दण्डी, सुबन्धु, बाणभट्ट, अम्बिकादत्त व्यास।
(ङ) नाट्य साहित्य– भास, कालिदास, शूद्रक, विशाखदत्त।
(च) आधुनिक संस्कृत साहित्य (राजस्थान प्रान्त के विशेष संदर्भ में)
   पं.गणेशराम शर्मा , पं. मधुसूदन ओझा, भट्ट मथुरानाथ शास्त्री, पद्म
   शास्त्री, श्री सूर्य नारायण शास्त्री।
4. अनुवाद (हिन्दी से संस्कृत)   10 अंक

अंक– विभाजन

क्र.सं.	नाम पुस्तक	लघूत्तरात्मक प्रश्न	अंक	निबन्धात्मक प्रश्न संख्या	अंक	अंको का योग
1.	अभिज्ञान शाकुन्तलम्	लघूत्तरात्मक 05	10	03	35	10+35=45
2.	छन्द (अभिज्ञान शाकुन्तलम् के आधार पर)	लघूत्तरात्मक 01	02	01	08	2+08=10
3.	अलंकार (काव्यदीपिका अष्टम शिखा के आधार पर)	लघूत्तरात्मक 01	02	01	08	2+08=10
4.	संस्कृत साहित्य का इतिहास	लघूत्तरात्मक 08	16	01	9	16+9=25
5.	अनुवाद			01	10	10
कुल योग		15	30	07	70	100

प्रश्न–पत्र का निर्माण निम्नानुसार होगा –

भाग 'अ'   30 अंक

प्रश्न–पत्र का निर्माण निम्नानुसार होगा –

1. सभी प्रश्न अनिवार्य हैं।
2. प्रत्येक पुस्तक से लघूत्तरात्मक व निबन्धात्मक, व्याख्यात्मक प्रश्न पूछे जायेंगे ।
लघूत्तरात्मक प्रश्न के 2 अंक निर्धारित हैं।

निबन्धात्मक / व्याख्यात्मक प्रश्न

1. अभिज्ञानशाकुन्तलम्

प्रश्न सं. 1— में 1 से 4 अंकों में से 4 श्लोक पूछकर उनमें से
किन्हीं 2 की सप्रसंग व्याख्या पूछी जायेगी।   14 अंक

प्रश्न सं. 2 में 5 से 7 अंकों में से 4 श्लोक पूछकर उनमें से
किन्हीं 2 की सप्रसंग व्याख्या पूछी जायेगी।   14 अंक

प्रश्न सं. 3— में 2 प्रश्नों में से 1 प्रश्न का उत्तर अपेक्षित है।   07 अंक

2. छन्द

प्रश्न सं. 4—में 4 छन्द पूछकर 2 के लक्षण एवं उदाहरण अपेक्षित है।

08 अंक

3. अलंकार

प्रश्न सं. 5—में 4 अंलकार पूछकर उनमें से 2 के लक्षण
एवं उदाहरण अपेक्षित है।   08 अंक

4. संस्कृत साहित्य का इतिहास

प्रश्न सं. 6—में 2 विवेचनात्मक प्रश्नो में से 1
प्रश्न का उत्तर अपेक्षित है।   9 अंक

5. अनुवाद (हिन्दी से संस्कृत)

प्रश्न सं. 7—में 10 वाक्यो मे किन्ही 5 वाक्यों का संस्कृत अनुवाद प्रति
अनुवाद दो अंक निर्धारित है।   10 अंक

सहायक पुस्तकें
अभिज्ञानशाकुन्तलम्

1. अभिज्ञानशाकुन्तलम् डॉ. गंगासागर राय, चौखम्बा संस्कृत प्रतिठान, दिल्ली
2. अभिज्ञानशाकुन्तलम् जगदीशप्रसाद शर्मा— रचना प्रकाशन, जयपुर
3. अभिज्ञानशाकुन्तलम् सुवोधनचंद्र पंत— मोतीलाल बनारसी, दिल्ली
4. अभिज्ञानशाकुन्तलम् जगदीशलाल शास्त्री— मोतीलाल बनारसी दिल्ली
5. काव्यदीपिका— परमेश्वरानंद शर्मा, मोतीलाल बनारसी दिल्ली

संस्कृत साहित्य का इतिहासः—

(21)

1. संस्कृत साहित्य की रूपरेखा– चंद्रशेखर 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 बेलरमाणव, इलाहाबाद
4. संस्कृत साहित्य का इतिहास–श्री सत्यनारायण शास्त्री, आर्य बुक डिपो, दिल्ली
5. संस्कृत साहित्य की प्रवृत्तियॉं– डॉ. जयकिशनप्रसाद खण्डेलवाल, विनोद पुस्तक मंदिर, आगरा
6. संस्कृत साहित्य का इतिहास– ए.बी. कीथ, अनु. मंगलदेव शाझत्री प्रतिठान, दिल्ली
7. संस्कृत साहित्य का इतिहास– प्रो. राजवंश सहाय 'हीरा' चौखम्बा संस्कृत प्रतिठान दिल्ली

7. Philosophy

Scheme:

Two Papers	Min. Pass Marks 72	Max. Marks 200
Paper I	3hrs. Duration	Max. Marks 100
Paper II	3 hrs. 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 & Part II

(3) **Part I of the question paper will be of 40 marks .** This part will consist of twenty compulsory questions with 2 marks each, and shall be answered in the answer sheet. These questions will cover the whole Syllabus and there will be no unit wise division of the questions.

(4) Student is required to answer the question in not more than 40 words. Questions are definitional, informative and descriptive in nature , and are based on the key concepts , distinctions and division underlined in the syllabus. Student must write the question no. or the question to which student is giving answer. Marks will be deducted if question or no. is not written correctly or answer exceeds given word limit.

(5) **Part II of the question paper will be of 60 marks.** Students are asked to attempt three questions in total . Each question is of 20 marks . These questions are essay type questions and are explanatory ,and comparative in nature .

(6) If syllabus (course contents) of 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.

If Syllabus (course Contents) of a paper is divided into three Units i.e. Unit A. B. & C then six questions will be asked in total: two question from each Unit. Students will be required to attempt three questions in total and attempt one question from each Unit.

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7. one question from each unit. Each question will be of 20 marks. 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
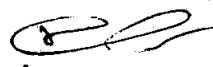
Unit B:
Total Teaching Hrs.: 30

1. Aristotelian classification of categorical propositions, square of opposition and the question of existential import, conversion, observation, 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

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

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

Topic	Division of teaching hrs
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.

Surma 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 Manual of Ethics (Hindi translation available)

दिवाकर पांडेय : भारतीय नीतिशास्त्र

संगमलाल पांडेय : नीति दर्शन का सर्वेक्षण

वेदप्रकाश वर्मा : नीतिशास्त्र के मूल सिद्धान्त

(25(A)

The scheme of examination will be as follows:

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. The first compulsory question will be of 20 marks, comprising of 10 very short answer type questions of two marks each. The answer to each question should not exceed 20 words.

The second compulsory question will be of 20 marks. It will comprise of 10 short answer type questions of 04 marks each, the candidate will be required to answer any 05 questions. The answer to each question should not exceed 50 words.

The second part of the question paper shall be divided into three sections comprising of 06 essay type questions, containing 02 questions from each section, of 20 marks each. Candidate will be required to answer 03 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 अंको का होगा एवं इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंकों के प्रथम अनिवार्य प्रश्न में, दो–दो अंक के 10 अनिवार्य अतिलघुउत्तरात्मक प्रश्न होंगे। प्रत्येक उत्तर की शब्द सीमा 20 शब्द।

20 अंकों के द्वितीय अनिवार्य प्रश्न में, चार–चार अंकों के 10 लघुउत्तरात्मक प्रश्न होंगे जिनमें से 05 प्रश्न करने होंगे। प्रत्येक उत्तर की शब्द सीमा 50 शब्द।

प्रश्नपत्र के द्वितीय भाग में, पाठ्यक्रम के तीन खण्डों में से, प्रत्येक खण्ड से दो–दो प्रश्नों का चयन करते हुए, कुल 06 निबन्धात्मक प्रश्न होंगे। प्रत्येक प्रश्न 20 अंकों का होगा। परीक्षार्थियों को प्रत्येक खण्ड में से कम से कम एक प्रश्न का चयन करते हुए कुल 03 प्रश्न हल करने होंगे। प्रश्नपत्र का यह भाग 60 अंकों का होगा।

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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 सुदृढ़ीकरण। 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 सुदृढ़ीकरण। 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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Tapan 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 Administation*, 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

Section – 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 धाराएं

खण्ड – 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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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	:	Foundations of Indian Culture, Vol. I and II
	:	Meaning and Process of Culture
R. G. Bhandarkar	:	Vaishnavism, Saivism and other Minor Religious Systems.
Rajbali Pandey	:	Hindu Samskara (The Social and Religious Study of the Hindu Sacraments), (also in Hindi), Varanasi
A. L. Srivastava	:	Medieval Indian Culture (also in Hindi).
V.S. Agrawala	:	Indian Art, Varanasi.
Krishna Dev	:	Temples of North India (also in Hindi), NBT, New Delhi
K. R. Srinivasan	:	Temples of South India (also in Hindi), NBT, New Delhi
A. L. Basham	:	The Wonder that was India (also in Hindi)
	:	The Cultural History of India (ed.)
गोविन्दचन्द्र पाण्डे	:	भारतीय परम्परा के मूल स्वर, नई दिल्ली, 1993
		भारतीय समाज – तात्विक 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)

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

प्रश्न-पत्र के दो भाग होंगे। प्रथम भाग 40 अंको का होगा। इस भाग में 20 अनिवार्य प्रश्न होंगे। प्रत्येक प्रश्न दो अंको का होगा। 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 3 घण्टों की अवधि में से अधिकतम 1 घण्टे की अवधि प्रश्न-पत्र के इस भाग के लिए निर्धारित होगी। प्रश्न-पत्र के इस भाग में पूरे पाठ्यक्रम के प्रश्न होंगे।

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

Note: The question Paper shall be of 3 hours duration. The question paper shall contain two parts:

Part A shall be of 40 marks and shall be compulsory containing 20 questions of limited words (maximum 20 words) answer and of two marks each. This Part of the Question Paper shall be of one hour duration. The question in this part can be asked from the entire course.

Part B of the Question paper shall have 2 question of descriptive type from each of the 3 section, and shall carry 60 marks. The Candidates shall be required to attempt one question of 20 marks from each section.

प्रथम प्रश्न- पत्रः प्रमुख राजनीतिक व्यवस्थाएँ

विद्यार्थियों से अग्रांकित देशों की राजनीतिक प्रणालियों के महत्वपूर्ण पक्षों-विधायिका, कार्यपालिका, न्यायपालिका, राजनीतिक दल एवं वर्तमान प्रवृतियों का विश्लेष्णात्मक और तुलनात्मक दृष्टिकोण से अध्ययन करने की अपेक्षा की जायेगी।

खण्ड 'क'

ब्रिटेन।

खण्ड 'ख'

संयुक्त राज्य अमेरिका।

खण्ड 'ग'

चीन, जापान, स्विट्जरलैण्ड।

अनुशंसित पुस्तकेः–

इकबाल नारायण : विश्व के संविधान।
प्रभुदत्त शर्मा : संविधानों की दुनिया।
बाबूलाल फडिया : विश्व के प्रमुख संविधान।
पी.के. चड्ढा : विश्व के प्रमुख संविधान।
पुखराज जैन : विश्व के प्रमुख संविधान।
ए.सी. कपूर : मेजर कान्स्टीट्यूशन्स।
के.एल.कमल : चीन का संविधान एवं राजनीति

B.A PART (II)

Paper-I : Selected Political System

Student will be expected to study the salient aspects-Legislature, Executive, Judiciary, Political Parties of the political systems of the following countries with an analytical and comparative perspective.

Section –A

Britain

Section –B
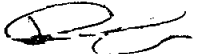
U.S.A.

Section –C

Peoples Republic of China, Japan and Switzerland.

Suggested readings:

- Ogg & Zink : Modern Foreign Governments.
- Babulal Fadia : Vishwa Ke Pramukha Samvidhan.
- Iqbal Narain : Vishwa ke Samvidhan
- Chaddha , P.K : Vishwa Ke Pramukha Samvidhan(Adarsh Prakashan, Chaura Rasta, Jaipur).
- A.C Kapoor : Major Constitutions.
- R.C. Agarwal : World Constitutions.

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द्वितीय प्रशन–पत्रः भारतीय राजनीतिक व्यवस्था

खण्ड'क'

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

खण्ड'ख'

संविधान की प्रस्तावना, संघीय व्यवस्था, मौलिक अधिकार, राज्य नीति के निदेशक तत्त्व, संघीय कार्यपालिकाः राष्ट्रपति, प्रधानमंत्री व मंत्रिपरिषद्, संघीय संसद, उच्चतम न्यायालय व न्यायिक पुनरावलोकन, न्यायिक सक्रियता, जनहित याचिका, संविधान संशोधन की प्रक्रिया, संघ– राज्य सम्बन्ध, संवैधानिक एवं विधिक आयोग–निर्वाचन आयोग, संघ लोक सेवा आयोग, राष्ट्रीय मानवाधिकार आयोग।

खण्ड'ग'

राज्यों का शासनः राज्य व्यवस्थापिका, राज्य कार्यपालिकाः राज्यपाल, मुख्यमंत्री एंव मंत्री परिषद, कतिपय राज्यों को विशेष दर्जा और उसके प्रभाव, दलीय व्यवस्था, भारत में पंथनिरपेक्षता की प्रकृति, भारतीय राजनीतिक व्यवस्था के सम्मुख प्रमुख चुनौतियाँ–क्षेत्रवाद, जातिवाद, साम्प्रदायिकता, नक्सलवाद, आंतकवाद, पंचायती राज एवं नगर निकाय, 73 वें व 74 वें संविधान संशोधन की महत्ता।

अनुशंसित पुस्तकेंः–

N.D Palmer : The Indian Political System, Houghton Mifiling, 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)
Govind Ram : Bhartiya Rajya Vyavastha.
B.L. Fadia : Bhartiya Rajya Vyavastha.
Chaddha, P.K : Bhartiya Rajnitik Pranali (Adarsh Prakashan Chaura Rasta, Jaipurs)
Basu, D.D : Introduction to Constitution of India
Kashyab, Subash : Our Parliament
Sharma B.K : Bhartiya Samvidhan

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-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, Judicial Activism, PIL, Method of Amendment in the Constitution, Centre – State Relation, Constitutional/Statutory commission- ECI, UPSC, NHRC.

Section –C

Governance of States: State Legislature, State Executive: Governor, Chief Minister, Council of Minister, Special status to certain states and its implications, Party System, Nature of Secularism in India, Major challenges before the Indian Political System : Regionalism, Casteism, Communalism, Naxalism and Terrorism, Panchayati Raj and Municipalities, significance of 73rd and 74th constitutional amendment acts.

Suggested Reading :-

N.D Palmer : The Indian Political System, Houghton Mifiling, 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)
Govind Ram : Bhartiya Rajya Vyavastha.
B.L. Fadia : Bhartiya Rajya Vyavastha.
Chaddha, P.K : Bhartiya Rajnitik Pranali (Adarsh Prakashan, Chaura Rasta, Jaipur)
Basu, D.D : Introduction to Constitution of India
Kashyab, Subash : Our Parliament

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INDIAN MUSIC

Paper - I Theory   3 hrs. duration   Max.Marks 40   Min. Marks 15

Paper – II Theory   3 hrs. duration   Max.Marks 40   Min. Marks 15

Practical   1 hour per candidate   Max. Marks120 Min. Marks 43

Teaching Hours

Practical

            6 Hours Per Week

Theory

     Paper -I   2 Hours Per Week

     Paper -II   2 Hours Per Week

Total Teaching Hours for practical – 06, Theory 04 Hours Per Week

Note : (1) Each theory paper will contain nine questions having three question in each section. Candidates are required to attempt five questions in all selecting atleast one question from each section.

       (2) Candidate must pass separately in each of the theory and practical.

❖ Candidates must pass separately in each of the paper Theory and Practical wherever prescribed.

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Principles of Indian Music

Section –A

Paper – I : Theory   3 hrs. duration   Max.Marks 40   Min. Marks 15

(a) Definitions and explanations of the following terms: Ragalap Roopakalaap, Alpatva Bahuta and Alapti Avirbhav and Tirobhav Swasthan Niyam & Aadhunik aalap gayan.

(b) Shruti and Swarsthanas according to Bharat and Pt. Bhatkhande.

(c) Placement of Sudha swaras on the wire of veena according to Pt. Ahobal, Pt. Bhatkhande.

(d) Comparative study of the swaras of North and South Indian Music.

Section –B

(a) To write the thekas of the following talas : Dhamar, Tilwada, Ektal, Chautal, Rupak, Punjabi, Sooltal, Jhumra, Tivra.

(b) To write the following talas in Dugun, Tigun and Chaugun.

(c) Critical and comparative study of the ragas prescribed for practical course: Malkouns, Vrindavani-Sarang, Miya Malhar, Bahar, Bhairav, Ramkali, Shuddha-Kalyan, Jaijaivanti, Khamaj.

Section –C

(a) Definations of Gat, Jhala, Ghasit Jod-alap, Zamzama, Krintan, Meend and Gamaka.

(b) Notation writing in preseribed ragas.

(c) Writing Alaps and Tanas /Todas in different Ragas.

(d) Racognition of Ragas from given notes and writing of Alaps showing : 'Nyas' on some given Swaras.

Paper – II : Theory

History of Indian Music

Paper – II : Theory   3 hrs. duration   Max.Marks 40   Min. Marks 15

Note : The paper will contain five questions, having three questions in each section. Candidates are required to attempt five questions in all selecting at least one question from each section.

N.B. Candidate must pass separately in each of the theory and practical syllabus
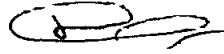
Section – A

(a)   Study of Gran Moorchana.
(b)   Modern Shudha Scales of Karnatak and Hindustani Music.
(c)   Major and Minor Scales of Western Music.
(d)   Staff Notation.

Section – B

(a)   Frequencies of the Musical notes.
(b)   Classification of Ragas according to Raga-Ragini Paddhati.
(c)   Life sketches, contribution and style of the following musicians : Allauddin Khan, Amirkhan, Kesar Bai Kerkar, Pt. Omkar Nath Thakur, Heerabai Barodkar.

Section – C

(a)   Theory of Mela and Janya ragas and 72 Melas of Pt. Vyankeatmakhi, 10 Thatas of Bhatkhande, 32 Thatas according to the Swaras of Hindustani Music.
(b)   Use and description of the following instruments pakhawaj, Veena and flute.
(c)   A short essay on any subject of general musical interest.

Practical (Vocal and Instrumental)

There shall be one practical paper. (conducted by two different External Examiners)

Duration of Exam. : I hour per candidates.

Presentation of Ragas & Viva-voce   Max. Marks 120 Min. M. 43

(Critical and Comparative study of Ragas & Tala and to sing or play all the Ragas according to syllabus).

Detailed Course:

Vical Music

1. To sing given musical piece and to recognize the ragas & swaras when sing.
2. To show the difference of ragas through swarvistaras in all the ragas.
3. To know orally the "bol" with Dugun and mark time on hand and to recognize the following talas when played on table- Dhamar, Tilwara, Ektal,Chautal, Roopak, Dadra, Punjabi, Sooltal, Jhoomra, Tivra and Kaharwa.
4. To sing Arohi, Avrohi, Pakad and Swar Vistar of the following ragas- Malkouns, Vrindavani-Sarang, Miya Malhar, Bahar, Bhairav, Ramkali, Shuddha-Kalyan, Jaijaivanti, Khamaj, Tilak-Kamod.
5. With the accompaniment of table to sing slow khayal and fast khayal with sufficient alaps , tanas Bol-tanas and Sargam in following four ragas- (i) Malkouns (ii) Vrindavani Sarang (iii) Bhairav (iv) Miya Malhar.
6. With the accompaniment of table to sing a fast khayal or Tarana with sufficient Tanas in any four ragas of the following – (i) Khamaj   (ii) Bahar (iii) Tilak-Kamod   (iv) Ramkali (v) Shuddha Kalyan (vi) Jaijaivanti.
7. With the accompaniment of table or pakhawaj to sing one Durpad with Dugun , Chaugun and one Dhamar with Dugun, Chaugun in any two different rages prescribed under clause-4 but not selected under clause 5 & 6.
8. Bhajan/Chaturang in any Raga.

Instrumental Music

Candidate can offer any one of the following instruments:

(1)   Sitar, Violin, Sarod, Flute, Israj or Dilruba Clause 1,2 and 4 same as Vocal Music, singing may be replaced by playing.

(2)   With the accompaniment of Tabla to play Vilambitgat (विलम्बितगत) and a Drutgat (द्रुतगत) with sufficient varieties of Todas and Jhalas, in the following four ragas: Malkouns, Vrindavani-Sarang, Bhairav, Miya-Malhar.

(3)   With the accompaniment of Tabla to play Drutgat with tans and Jhalas in any four ragas of the following.
(i) Khamaj (ii) Bahar (iii) Tilak-Kamod (iv) Ramkali (v) Shuddha Kalyan (vi) Jaijaivanti.

(4)   With the accompaniment of Tabla to play a composition, composed in other than Trital with Todas, in any two ragas mentioned in clause 4, but not selected under clause 5 & 6.

(5)   To play a Dhun in any Raga.

Books Recommended :

(1)   Kramik Pustak Malika parts 2,3 and 4 Sangeet Karyalaya, Hathras.
(2)   Tan Malika parts 2 and 3 (Purvardh) by Raja Bhaiya Poonchwal, Sangeet Karyalaya, Hathras.
(3)   Tan Sangrah by S.N. Ratanjankar.
(4)   Sitar Marg by S.Bandopadhyaya.
(5)   Sitar Siksha by B.N. Bhatt.
(6)   Sitar Parts 1 to 3 by B.N. Bhimpure.
(7)   Saral Violin Parichaya by G.N. Goswami, Goswami Printers, Narahi, Lucknow.
(8)   Ragvigyan by N.V. Patwardhan, Part 1 and part II, Sangeet Karyalaya, Hathras.
(9)   A Short survey of the Music of the Northern India by Pt. V.N. Bhatkhande.
(10) संगीत के जीवन पृष्ठ by S.Rai.
(11) Vadya Shastra by Shri Harish Chandra Srivastava.
(12) Hamare Sangeet Ratna, Sangeet Karyalaya, Hathras.
(13) Sangeet Visharad by Basant.
(14) Comparative study of the Music of the 15th , 16th and 17th Centuries by Pt. V.N. Bhatkhande Sangeet Karyalaya, Hathras.
(15) Sangeet Kaumudi-Vikramaditya. Singh Nigam.
(16) Tan Malika Pt. III (Nigam Vuttardha) by Raja Bhaiya Poonchwale.

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(17) Hindustani Music- Its physics and aesthetics by G.S. Ranade, Sangeet Karyalaya, Hathras.

(18) Music of Hindustan Four Strang ways.

(19) Origin of Ragas – Bandopadhyaya.

(20) The Music of India by H.A. Popley.

(21) Hindustani Sangeet Paddhati (Shastra) by Pt. Bhatkhande, Part 1 to 4.

UNIVERSITY OF RAJASTHAN
B.A. Part-II Exam-2016
Subject - Public Administration

Scheme	Max. Marks	Mini Pass. Marks	Time
Two Papers	200	72	
Paper – I	100		3 Hrs.
Paper – II	100		3 Hrs.

Note : Each Paper shall consist of two parts.

Part-I would contain 10 compulsory short answer questions of 4 marks each to be answered in 50 words. Total Marks: 40

Part-II divided into three sections – each section contains 2 descriptive type question of 20 marks each. The candidates are required to attempt three questions selecting ne question from each section. Total Marks: 60
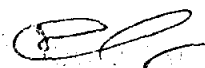
Syllabus

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 खाँ 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 ह्रास 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 मार्डन 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 इंस्टीट्यूशन : 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.
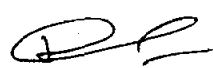
Section - B

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.

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.
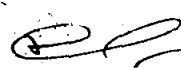
C. Journals :

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, वित 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 कॉन्स्टीट्यूशन (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 ऑप 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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12   DRAWING & PAINTING

SCHEME :

Theory Paper I	Duration	M.M	Min. Pass Marks
History of Indian Painting and Sculpture	3 hrs.	90	32$^{1/2}$
Practical Paper II			
Part A- Study from Bust (Portrait)	3 hrs.	45	32$^{1/2}$
Part B-Creative Portrait (Rendering)	3 hrs.	45	
Submission of Practical Works		20	07
	Total	**200**	**72**

Paper I : History of Indian Painting and Sculpture

Note : The paper consist of two parts :-

Part –I: Carries 30 marks and consist of 15 short type questions of 2 marks each.

Part –II: Carries 60 marks divided into three sections 4 questions of 15 marks each with internal choice. Candidates are required to attempt four questions selecting one question from each section. Each answer should be limited in 700-800 words.

Section – A

Prehistoric Rock Paintings, Art of Indus Valley Civilization, Jogimara, Ajanta, Bagh, Sigiriya Caves Paintings.

Pal and Apbhransh Painting.

Rajasthani School – Mewar, Kishangarh, Jaipur and Bundi style of painting.

Pahari School – Basohali and Kangra style of Painting.

Section – B

Company School

Raja Ravi Varma, Bengal School   Abnindranath Tagore, Nandlal Bose

Other Indian Artist – Yamini Roy, Rabindranath Tagore and Amrita Shergil

Section –C

History of Indian Sculpture   Maurya Period – Ashoka Pillars, Yakshni of Didarganj and Yaksh Murtishilp.

Sunga Period – Sanchi

Kushan Period, Gandhara and Mathura Sculpture.

Sculptures of Gupta Period.

Books Recommended:
1. Saga of Indian Sculpture : K.M. Munshi
2. Studies in Indian Art : V.S. Agarwal
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 and 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 : Rai Krishandas
11. Bhartiya Murtikala : Rai Krishandas
12. Kala Vilas : Dr. R.A. Agarwal.
13. Bhartiya Chitrakala : Vachaspati Gerola.
14. Fundamental of Indian Arts : S. Das Gupta.
15. Bhartiya Chitrakala ka Sanshipt Itihas : L.C. Sharma
16. Kala Aur Kalam : G.K. Agarwal
17. Adhunik Bhartiya Chitrakala ka itihas : G.K. Agarwal
18. Bhartiya Chitrakala ka Itihas   Avinash Bahadur Verma

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Paper- II Part-A : Study from Bust (Portrait)

Medium : Water/ Oil Colour   Size ½ Imperial
Duration : 3 hrs.   Max. Marks : 45
Study from bust (Portrait Painting) showing broad masses of light and shade, clearly bringing out the modelling of the figure and drapery.

Part – B : Creative Portrait (Rendering)

Two Dimensional Creative Portrait should be rendered with emphasis on stylization, colour scheme and textures etc.
Medium –Any Medium   Size ½ Imperial
Duration : 3 hrs.   Max. Marks : 45

Books Recommended :
1. Anatomy and Drawing by Victor Perard, Publisher J.V. Navlakhi, Bombay.
2. Human figure by Vanderpol. Publisher J.V. Navlakhi, 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 practical 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 from bust study in colour and three plates form bust study in pencil or charcoal.
(b) Five Plates form creative portrait in colour and three plates form creative portrait in pencil or charcoal.
(c) A sketch book of not less than 50 sketches.

Instruction for submission :

Note : Submission work will be submitted to the Head of the Department of Drawing and 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 Candidate 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 10 hours for the regular study including two hours for sketching.
(c) Minimum three demonstrations should be arranged by the subject expert during the session for each practical paper.
(d) The Department should also arrange for an Educational tour to Ancient Art centres like Ajanta, Ellora, Elephanta, Khujraho, Mahabalipuram etc. once a year.
(e) Practical examination will be conducted at the centres and the practical work will be examined like the practical paper of Music or Home Science which means that an external examiner will examine the answer books in consultation with and internal examiner who is the subject teacher of the Department of Drawing and Painting. University may centralize the practical examinations at few well equipped Departments to hold examination economically.

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13. SOCIOLOGY

Scheme for B.A. (Pass.) Course (II Year) for the academic session 201...

SOCIOLOGY

Scheme:

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

नोट:– समाजशास्त्र के दो प्रश्न–पत्र होंगे। प्रत्येक प्रश्न–पत्र 3 घण्टों में विभाजित होगा। प्रत्येक प्रश्न–पत्र के दो भाग होंगे। प्रथम भाग 40 अंकों का होगा। इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंको के एक प्रश्न में, एक–एक अंक के 20 लघु प्रश्न होंगे तथा प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20 शब्दों में देना होगा। दूसरे अनिवार्य प्रश्न के अंतर्गत दो–दो अंको के 10 प्रश्न होंगे। प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 40 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 घंटे 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 संबधित होंगे। अर्थात् प्रश्न–पत्र के इस भाग में पूरे पाठ्यक्रम से संबधित 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 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. There shall be 2 questions in Part-I, first question will consist of 20 short questions of 1 mark each, carrying a word limit of 20 words. The second question will consist of 10 questions of 2 marks each, carrying a word limit of 40 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.

Part-II, 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

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.
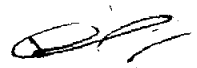Jayaram, N. 1989. Sociology: Methods and Theory. Madras: MacMillian.
Kothari, C.R. 1989. Research Methodology: Methods and Techniques, Bangalore, Wiley Eastern.
Punch, Keith. 1996. Introduction to Social Research. London: Sage.
Shipman, Martin. 1988. The Limitations of Social Research. London: Sage.
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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Unit I : Introduction to Rural Sociology

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

Basic concepts: Peasent 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.

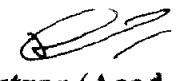Rao M.S.A. 1974 Urban sociology in India, Orient Longman, New Delhi.

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

Sociology 31

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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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
	Total Marks :	200

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)   20 marks (5 questions of 2 marks each on the each literary texts)

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   50

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-Dictionary: French-French
3. Collection « Progressive du Français »
   Exercices communicatifs: Level - Intermediate
4. Vocabulaire progressif – Advance
   Grammaire Collection « Le Nouvel Entraînez – vous » Intermediate Level

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15. GERMAN

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
	Total Marks :	200

PAPER - I: GRAMMAR & QUESTIONS FROM THE TEXT	75
(a) Grammar	45
(b) Answer the questions based on TWO UNSEEN PASSAGES (15X2=30)	30

PAPER II : WRITTEN EXPRESSION

Max marks   75   Time 3Hrs

    A. Write TWO letters on the THREE given topics   (25x2=50 marks)

Topics covered in class are as follows:

1. Write a letter to a friend describing your city
2. Write a letter to a friend inviting him on a birthday party.
3. Write a letter to your friend congratulating him on his Birthday/Job/Success in exams.
4. Write a letter to your friend describing your recent vacations.
5. Write a letter to a friend accepting an invitation.

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6. Write a letter to a friend refusing an invitation.
B. Write ONE essay out of 4 topics given below. Word limit 300 words   25 marks

Topics covered in class are as follows:
1. My hobbies
2. My future plans
3. My favourite film
4. An unforgettable day

PAPER - III VIVA -VOCE   50

Recommended Books: Teste Dein deutsch -1
Teste Dein Deutsch – 2
Tangram – 1 aktuell 1. Aufl. By Rosa-Maria Dallapizza u.a. Max Hueber Verlag. Ismaing, 2004
Studio-D 1A with work book and CDs
Or Lagune 1A with work book and CDs (Left to the selection of books to the CoC as per availability and convenience)
Eindrücke-Einblicke Lehr- und Arbeitsbuch
Deutsche Sprachlehre für Ausländer – Dora Schulz & Heinz Griesbach
Grammatik der deutschen Sprache by Helbig Buscha

16. HOME SCIENCE

- Each Theory paper will contain nine questions having three questions from each unit. Candidates are required to attempt five questions in all selecting at least one question from each unit. Each question will be of 10 marks.

BA Home Science Part II

Paper	Subjects	Duration of exam	Maximum marks	Minimum marks	No. of hrs/wk
Theory Paper III	Human Development	3hrs	50	18	3
Practical III	Human Development	3hrs	50	18	2
Theory Paper IV	Textiles and Clothing	3hrs	50	18	3
Practical IV	Textiles and Clothing	3hrs	50	18	2
		Total	200	72	10

B.A. PART-II

HUMAN DEVELOPMENT (THEORY PAPER III)
Maximum Marks: 50
Minimum marks: 18
Teaching workload: 3 hrs /week
Total teaching workload: 72 hours/year

Objectives:-
1. To acquaint the student with the scope and foundation of human development.
2. To understand development through different life span stages.
3. To learn regarding the significant developmental tasks of each stage.

Contents	Hours
UNIT I	
1. Definition and scope of Human Development as a field	2

2

`~of study.`	
2. Principles of development	3
3. Role of Heredity and environment and learning and maturation in development.	3
4. Factors affecting development.	3

UNIT II

Development from conception to adolescence:	7
5. Physical development	7
6. Motor development	8
7. Socio-emotional development	8
8. Language and cognitive development	

UNIT III

9. Importance and objectives of early childhood education; impact of deprivation and early stimulation	7
10. Definitions, functions and types of families; changing roles and challenges faced by Indian Families	8
11. Understanding differently abled children; definitions, meaning and classification	8
12. Major development tasks, achievements and problems of adulthood and aging. Need for care and support for aging individuals.	8

References :

1. Santrock JW (2007). Lifespan Development. Tata – McGrawHill. New Delhi. 3rd Ed.
2. Bee H (1995). The developing child. Harper Collins College Publisher.
3. Berk L (2006). Child development. Allyn & Bacon. New York.
4. Cole M and Cole SR (1996). The Development of Children. W.H. Freeman and Company.
5. Rice F (1992). Human Development: A Life Span Approach. Prentice Hall.
6. Rice FP. Marriage and Parenthood. Allyn and Bacon Inc. Toronto.
7. Vidhya Bhushan and Sachdeva (2000). Introduction to Sociology.

HUMAN DEVELOPMENT – PRACTICAL III

Maximum marks: 50
Minimum marks: 18
Teaching workload: 2 practicals/ week (2 hours/ practical)
Total teaching workload: 24 practicals/ batch

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Objectives :

1. Students will gain insight into the growth patterns, developmental characteristics and activities of children in a practical situation.
2. They will also learn to understand significant issues related to adolescents, adults and ageing people.

Contents	Hours
1. Anthropometric measurement of children from birth to 6 years. Plotting and interpretation of data as per WHO norms.	4
2. Interviewing mothers of young infants regarding breast feeding schedules, supplementary foods and weaning practices.	3
3. Organizing and conducting play and creative activities of children in a nursery school.	3
4. Preparation and conduction of various activities to enhance overall development of children: physical, motor, language, cognitive, social and emotional.	4
5. Focus group discussion with adolescents to understand their aspirations, educational and career choices.	3
6. Market survey of story books and toys for children. Assessment of the above in terms of quality, cost, durability, safety, attractiveness and developmental appropriateness.	2
7. Preparation of a brief questionnaire to identify the problems faced by adults and aging people in communities. Report the information as individual case profile.	3
8. Preparation of a scrap book on relevant issues of human development.	2

Examination scheme:

Total Marks: 50 marks
1. **Major problem -25 Marks**
   Preparation and conducting of various activities to enhance overall development.
   Interviewing mothers of infants.
   Organizing and conducting play.
2. **Minor Problem – 15 Marks**
   FGD
   Preparation of toys , book , poems, questionnaire , Anthropometric measurements
3. **Internal – 10 Marks**

TEXTILES & CLOTHING (THEORY PAPER IV)

Maximum Marks: 50
Minimum Marks: 18
Teaching workload: 3 hrs /week
Total teaching workload: 72 hours/year

Objectives:
The course will lead to:
1. Acquaint students with basic knowledge of textiles and clothing.
2. Familiarize the students to make purchase decisions in selection of clothing.
3. Update the students with the recent innovations in the field.
4. Impart knowledge regarding traditional textiles and embroideries of India

4

Contents	Hours
Unit – I	
Textile Study	

1. Fiber
      • Classification
      • Properties and their importance to the consumer with special reference to the care.
      • Natural Fibers
          (a) Cotton
          (b) Wool
          (c) Silk
          (d) Jute
      • Manmade Fibers
          (a) Polyester
          (b) Polyamide
          (c) Rayon
	10

2. Yarn
      • Simple Yarn
      • Novelty yarn
      • Textured yarn
	2

3. Fabric : Different construction methods :
      • Weaving
      • Parts of loom
      • Steps in weaving
      • Types of weaves: Plain
                        Twill
                        Satin
      • Knitting
      • Felting
      • Lacing
      • Braiding
	8

4. Finishing
      Basic Finishes
      • Bleaching
      • Sizing
      • Desizing
      • Singeing
      • Tentering
      Functional finishes
      • Wash and wear
	7

5

• Mercerising
• Sanoforizing
• Flame retardant
• Water resistant
• Moth proofing
5. Dyeing and Printing
     • Classification of dyes
        i.   Natural
        ii. Synthetic
     • Classification of printing
        i.   Direct
        ii. Resist
        iii. Discharge
	3

6. Technical textiles
     • Categories and use in daily life
        i.   Mobiltech
        ii. Agrotech
        iii. Geotech
        iv. Meditech
        v. Protech
	2

Unit – II
Apparel Selection and Care

7. Selection of suitable fabrics and garments for different ages – infants, toddlers, pre- school children, school going children, adolescents
 	
8. Climate, occasion, occupation, fashion, figure
 	
9. Clothing for people with special needs: maternity and lactation, old age and physically challenged.
 	
10. Selection of readymade garments
 	
    13.   Appearance– Size, design, line and colours,
 	
    14.   Fabric- Durability, ease of care
 	
    15.   Workmanship- Cutting, sewing and finishing
 	
    16.   Cost & Fitting
	15

11. Labelling
 	
     • Textile fiber symbols
     • Care labelling symbols
	3

12. Care and storage of
  • Cotton
  • Silk
  • Wool
	2

Unit – III
Designing & Traditional Textiles

13. Elements of design –Line, form, colour and texture. 14. Principle of design – Proportion, Harmony, Balance and Emphasis	10

15. Traditional textile
 	
  • Woven: Brocade
 	
  • Printed ; Sanganer, Bagru, Kalamkari
 	
  • Dyed ;Bandhani,Patola
 	
  • Embroidered ;Kasuti, Kantha, Phulkari, Chikankari, Kutch
	10

References:

1. Susheela Dhantyagi "Fundamentals of Textiles and their care"Orient Longman Ltd.4 [th] edition 1983 Reprinted1994
2. Shrivastave. K.N and Gupta.M "Paramparagat Bhartiya Vastra" Hindi Granth Academy, 2011
3. Bela Bhargava (2003)" Vastra Vigyan avam dhulai kriya" University Book House Jaipur
4. Joseph, M. L. (1988), Essentials of Textiles, 5th edition, Holt Rinehart andWinston, New York.
5. Ruby Jain (2006). "Basic Stitching Processes" CBH Publications

TEXTILES AND CLOTHING (PRACTICAL IV)

Maximum marks: 50
Minimum marks: 18
Teaching workload: 2 practical/ week (2 hours/ practical)
Total teaching workload: 24 practical/ batch

Contents	Hours

Textiles
    Make a Scrap book of the following
  1. Fiber samples
     • Cotton fiber from - (Muslin, 2x2 Rubia , 2x1 poplin, Khadi)
     • Silk fiber from -(Georgette, Chiffon, Crepe, Tussar, Mulberry,)
     • Wool fiber from - Felt (wool)
     • Jute fibre from Gunny Bags & Ropes
     • Nylon fibre from Plastic Cord
     • Polyester fibre from Sewing Thread
     • Rayon fibre from Artificial Silk Dupatta
  2. Yarn : Ply, textured and metallic yarn
	5

3. Fabric Samples: Woven, Knitted and Non woven - Felt (wool)
4. Collection of care labels washing, ironing, dry-cleaning, bleaching
5. Fiber symbols (cotton, wool, silk)
6. Technical textiles : Bandages & Scotch Brite
Clothing
7. Clothing techniques (sample of each)
    • Simple stitches – hemming and tacking
    • Seam – plain, French and run and fell
    • Dart – straight and curve
    • Tucks – Pin tucks
    • Pleat – knife, box
    • Gathers – simple gathers
    • Finishing of curve – piping and facing
    • Placket opening – continuous wrap & two piece placket
    • Garment construction - 'A' line frock with any sleeve and Collar
    • Embroider the frock using few basic stitches
8. Tie & dye prepare two sample through any 2 techniques
9. Product design – construction of any one product
    • Two cushion covers
    • Shoulder Bag with any fastener
    • Pouch with zip
	10
	
	3
	6

Examination scheme

Total Marks: 50 marks
1. **Major problem – 25 marks**
   Construct any one garment
   Drafting and cutting of a garment
   Stitching and finishing of a garment
2. **Minor Problem – 15 marks**
   Identification of textile yarn / fabrics
   Tie and dye one sample using two colours and two different techniques / two samples of any clothing techniques
3. **Internal -10 marks**

17 TEXTILE-CRAFT

SCHEME: B.A PART-II

		Duration	Max mark	Min mark
1. **Theory:**	Paper-I	3Hrs	30	
	Paper-II	3Hrs	30	22
2. **Practical:**	Paper-I	6Hrs	35	
	Paper-II	6Hrs	35	25
3. **Submission:**	Paper-I		35	
	Paper-II		35	25

Syllabus (Theory):

Paper-I : Weaving Theory :

Yarn numbering system (Indirect and Direct)

Yarn Twist, Balance of fabric

Methods of fabric construction

Types of loom- Shuttle & Shuttle less

Preparation of Warp and Weft for weaving

Draft, Peg plan, Weave, Repeat, Design

Derivatives of Plain weave- Rib and Basket

Derivative of twill weave- Regular, Irregular, Left hand, Right hand,

Pointed and curved twill

Fabric defects, Selvedge, Types of Selvedge's

Paper-II : Dyeing Theory:

Types of fabric finishes: Mechanical & Chemical

Stages of Dyeing (fibre, yarn & fabric)

Wool dyeing and silk dyeing

Dyeing machines- Jigger and Winch dyeing machine

Difference between dyeing and printing

Steps of printing- preparation of cloth & colour

Methods of Direct printing- Block & Roller printing

Thickeners and types of thickeners

Practical (Paper-I&II)

1. Batik (samples)

2. Weaves samples using coloured paper stripes

3. Block printing (samples)

4. Stencil printing (spray)

5. Concept of resist and discharge printing

Design development for practical:

Table cover, pillow cover, using block printing.

18. INVESTIGATIRE BIO-TECHNOLOGY
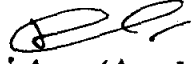
Scheme :	Min. Pass Marks	Max. Marks
Paper-I	40	
Paper-II	40	
Paper-III	40	
Practical	120	

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 emllitus, 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

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

Section — B
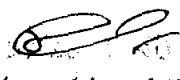
Systemic Bacteriology and other microbes

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) Haemophillas and Borde-tella
    (xii) Spirochetes
    (xiii) Spirillum and Leptospira
    (xiv) Ricetsial and Chalmydia
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 text
3. Aggultination
4. Precipitation
5. Flocculation
6. Neutralization
7. Immunoluorescence

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8. Immune electrophoresis
9. Serology of Syphillis
10. Haem Aggulution and Haem Aggulution inhibition
11. Skin Tests

Section – B

General Pathology

1. Introduction to pathology (Morbid Anatomy and Histology)
2. Degeneration, Necrosis and gangarene and how to recognise them
3. Infection, Thrombosios and Embolism
4. Inflammation
5. Neopiasia, Benign and Melignant tumors

Practical   (75×3 periods)   Max. Marks 120

Unit-I

Bio-Chemistry

1. Cholesterol, Triglycorides, 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

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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B.A./B.COM./B.SC. PART-II

THEORY PAPER-I

Fashion and Apparel Design

B.A./B.COM.	MM- 30	HRS-3
B.SC.	MM- 50	

SECTION -A

TRADITIONAL COSTUMES

1. Study of traditional costumes of various regions of india.
2. History of costumes of Indian civilization.
3. Brief knowledge of world costumes : French , german ,greek , European .

SECTION -B

TECHNIQUES IN PATTERN MAKING

4. Eight head theory- principles and advantages.
5. Pattern making techniques – drafting , draping , flat pattern .
6. Colour and colour schemes, psychological effects of colour on clothes.
7. Fitting – principles of fitting, factors to be considerd while fitting, common fitting problems, remedying fitting defects of bodice, sleeves , and skirts.

SECTION -C

DESIGN

8. Classification of design – structural and decorative

9. Elements and principles of design .

10. layout of design of fabric in cutting- floral,checks,plaids,lines.

References:

1. Erwin,kinchen-clothing for moderns :macmillan publishing,new York.

2. Mathews mary –practical clothing construction I&II cosmic press,madras.

3. Doonga ji S.and deshpandey R. –basic process of clothing construction.

B.SC./B.A./B.COM. PART –II

PAPER-II

ELEMENTS OF MARKETING AND FINANCE

B.A./B.COM. –M.M 50   HRS.-3

B.SC.-M.M. 60

SECTION A

1. Market structure –Types of market, market survey, elements of cost.

2. History of readymade garment industry. Problem and prospects in global market.

3. Branded vs nonbranded market.

4. Types of garments exported.

SECTION B

5. Elementary knowledge of working capital, factors affecting working capital, operating cycle.

6. Sources of finance.

7. Letter of credit

8. Methods of payment in foreign trade.

9. Various types of bills.

10. Insurance

SECTION C

Brief study of:

11. ECGC (export credit and guarantee corporation)

12. EIC (export inspection council)

13. IIP (Indian institute of packaging)

14. ICA (Indian council of arbitration)

Referances:

1.srivastav and aggarwal:vipdan prabandh.

2.mamoria joshi:salesmanship&practice of marketing in india.

3.satya narayan:sales management.

4.daver,R.S.:salesmanship and publicity.

B.SC./B.A./B.COM. PART –II

PRACTICAL – I

APPAREL DESIGNING

B.A./B.COM. –M.M 60   HRS.-4

B.SC.-M.M. 25

1.Colour wheel and colour scheme .

2.Introduction to eight head theory and stick figure 9.5",10.5".

3.Developing an adult croquis from block figure.

4.Draping of garments on croquis (at least 8 sheets) using different colours schemes and occasions.

5. Preparation of a portfolio.

.B.SC./B.A./B.COM. PART –II

PRACTICAL – II

CLOTHING CONSTRUCTION

B.A./B.COM. –M.M 60   HRS.-4

B.SC.-M.M. - 25

1. Pattern making:

    i)childs basic block and sleeve block. .

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ii) .sleeve variations: slash and spread method-puff ,bell,legomutton bishops sleeves.

iii). sleeve bodice combination:Magyar,raglan,dolman sleeves.

iv).different types of collars.

v.) different types of yokes.

2.Stitching of each sleeve ,collar, and yokes on bodice block.

3.Fashion designing (5 each) on sheet :baby frocks, a-line frocks, rompers, sunsuits, skirts and tops, bu-shirts with shorts.

4.Redesigning of old garment using the idea such as: to consider factors such as :money , creativity, individuality, skills, needs,

i). piecing or patchwork

ii).use of special fabric.

iii)use of decorative embroidaries

iv)trims

v)paints and dyes

5..Introduction of fashion designing in fashion shows.

References:

1.kallal mary jo,construction.

2.mitchell Beazley, the sewing book of a complete practical guide.

3.ireland fashion designing drawing and presentation.

4.renee weiss chase,.CAD for fashion design.

$\mathcal{20}$ MATHEMATICS

B.A./B.Sc. Part – II – 2016

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		200

		Duration	Max.Marks
Paper – I	Real Analysis and Metric Space	3 hrs.	50 (Science)
			66 (Arts)
Paper – II	Differential Equations	3 hrs.	50 (Science)
			66 (Arts)
Paper – III	Numerical Analysis	Theory : 2½ hrs.	32 (Science)
			44 (Arts)
		Practical: 2 hrs.	18 (Science)
			24 (Arts)

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 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.

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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.
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, Dirichlet'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.

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 function and Particular integral.

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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 function and Particular integral.

Unit 3: Homogeneous linear differential equations, Simultaneous differential equations. Exact linear differential equations of nth 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)
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 questions 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, Lagrange's interpolation formula.

Unit 2: Central differences.Gauss's, Stirling's and Bessel's interpolation formulae. Numerical Differentiation. Derivatives from interpolation formulae. Numerical integration, Derivations of general quadrature formulas, Trapazoidal rule. Simpson's one-third, Simpson's three-eighth and Gauss's quadrature formulae.

Unit 3: Process of Gauss elimination and Iterative methods (Jacobi and Gauss Seidal) for solving system of linear algebraic simultaneous equations. Partial Pivoting method, ill conditioned systems,.Solutions of ordinary differential equations of first order with initial condition using Picard's Euler and modified Euler's method.

Unit 4: Scalar and Vector point functions. 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.

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 and Simpson's rules.Numerical solution of Algebraic and Transcendental equations using
)i) Bisection method, (ii) Regula-Falsi method, (iii) Iteration method (iv) Newton-Raphson Method.

Group B: Numerical Solution of system of linear equations by Gauss elimination, Jacobi and Guass-Seidel methods. Solution of linear differential equations of first order and first degree with initial and boundary condition using modified Euler's method, Runge-Kutta Fourth order 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.
3. Each Candidate (Regular/non-Collegiate) has to prepare his/her practical record.
4. Each Candidate has to pass in Practical and Theory examinations separately.

21. Economics

Scheme	Min. Pass Marks	Max. Marks
Arts	72	200
Science	54	150

Each paper shall be of three hour duration and of 100 marks for Arts students and of 75 marks for Science students.

Paper – I   Introductory Macro Economics

Paper – II   (a)   Elements of Statistics and Mathematics

                (b)   History of Economic Thought

Note: There will be two papers of Economics. Each paper shall consist of three parts. Part A shall contain question No 1 consisting of very short type X (Ten) questions. The candidate is required to answer each question in 20 words. Part B shall contain question No 2 consisting of V (five) questions. The candidate is required to answer each question in 100 words. Part C shall contain three essay type questions (one from each section) with internal choice.
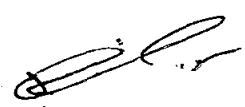
A candidate will be required to attempt five questions in all. All questions of Part A and Part B are compulsory while rest 3 questions are to be attempted from parts C selecting one question from each section. All questions carry equal marks. Each question will carry 20 marks for Arts students and 15 marks for Science students.

B.A. Part-II Paper-I

Introductory Macro Economics

Section-A

Macroeconomics: Meaning, Subject matter and Importance, Basic tenets of Classical, Keynesian, New-Classical and New-Keynesian economics, Macroeconomic variables, Circular flow of Income, National Income: Basic concepts, Measurement, Sectoral Accounts, Nominal and Real Aggregates.

Money: Functions, Demand and Supply. Quantity Theory of Money: Transaction Approach, Cash Balance Approach, Keynes' reformulation of the Quantity Theory of Money. Inflation: Meaning and Impact, Theories of Inflation- Demand Pull (Keynesian and Monetarist), Cost Push, Structural Theories of Inflation.

Section-B

Income and Employment Determination: Classical Model and Keynesian Model, Consumption Function: Psychological Law of Consumption, Determinants of Consumption, Paradox of Thrift, Investment Function: Determinants of Investment, Marginal Efficiency of Capital and Marginal Efficiency of Investment, Concept of Multiplier and Accelerator.

Section-C

Central Bank: Organizational set-up and functions of Central Bank (with special reference to RBI). Commercial Bank: Functions, Modern trends of Commercial Banking. Quantitative and Qualitative credit control by RBI. Money Supply: Meaning & Definition, four measures ($M_1, M_2, M_3,$ and M_4). Monetary Policy: Objectives, Targets and Indicators. Transmission Mechanism, Fiscal Policy: Objectives and Instruments.

Recommended Books:

1. G.S. Gupta, Macro Economics, Theory and Application, 4th Ed, McGraw Hill, New Delhi.
2. Dornbusch, Fisher and Startz: Macroeconomics, XI Edition, Indian Reprint, Tata McGraw-Hill, Publishing   Company Ltd. New Delhi
3. N. Gregory Mankiw, Macroeconomics, Worth Publishers (Latest Edition).
4. H.L Ahuja. (Hindi and English edition) Macro Economics, Theory and Policy; S. Chand & Co. Ltd., New Delhi.
5. Suraj B. Gupta: Monetary Economics, S. Chand and Co. Ltd.
6. L. N. Nathuramka, Prarambhik Samashti Arthshastra, Ramesh Book Publishing House, Jaipur
7. Rana and Verma: Macroeconomic Analysis, Vishal Publications.
8. Richard T. Froyen, Macroeconomics, Theories and Policies, (X Edition), Adapted by Pearson Education.

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Elements of Statistics and Mathematics

Section-A

Surds, Indices, Quadratic equations, Logarithms, AP, GP, HP, Matrices and Determinants, Solution of simultaneous equations by Cramer's rule and Matrix inverse method. Differentiation: simple and partial (involving two independent variables), Applications in Economics (Elasticity, average, marginal concepts)

Section-B

Statistics: Definition, Nature and Importance. Use and Relevance of Statistical Methods. Census and Sample survey, Methods of Data Collection and Tabulation, Diagrammatic and Graphical Representation of data, Measures of Central Tendency: Arithmetic Mean, Mode, Median. Concepts of Dispersion, Skewness and Kurtosis.

Section-C

Simple Correlation: Karl Pearson and Rank Correlation Coefficient. Linear Regression, Fitting of Lines of Regression by the Least Square method, Analysis of Time Series, Determination of Trend by Straight Line trend equation. Interpolation (Binomial Expansion and Newton's method) Index Numbers.

Recommended Books:

1. M. R. Speigal, Theory and Problems of Statistics, McGraw Hill Book, London.
2. S.P. Gupta, Statistical Methods, Sultan Chand and Sons, New Delhi.
3. S.C Gupta and V.K. Kapoor, Fundamentals of Applied Statistics, S. Chand and sons, New Delhi.
4. A.L Nagar and R.K. Das, Basic Statistics. Oxford University Press, Bombay.
5. B.C. Mehta and G.M.K. Madnani, Elementary Mathematics for use in Economics; Laxmi Narain Agarwal, Agra.
6. Salvatore, D. Mathematics and Statistics, Schaum's Series, Tata McGraw Hill
7. G.S. Monga, Mathematics and Statistics for Economics, Vikas Publishing House, New Delhi.

History of Economic Thought

Section-A

Mercantilism: Views on Trade, Money, Prices, Wages and Employment. Physiocracy: Natural Order; Primacy of Agriculture, Net product and Circulation of Wealth, Theory of taxation and Role of Government.

Classical School: Adam Smith- Views on Division of Labour, Theory of value, Capital accumulation, Distribution, International Trade, Economic Development, Critiques of Adam Smith,T.R. Malthus- Theory of Population, Theory of gluts, David Ricardo -Theory of Value and Distribution, Foreign trade, Economic development and Theory of Rent

Section-B

Critics of the Classical School: Sismondi, Robert Owen, Friedrich List.

J. S. Mill: Theory of Value, Views on Production and Distribution. Karl Marx: Efforts at Scientific Socialism, Theory of Money, Labor Theory of Value, Theory of Capital Accumulation and Crisis, Distribution German Historical School and the development of Marginalism, Neo-Classical School: Marshall-Price Determination and Elasticity, Consumer Surplus, Costs and Economies, Rent and Profit.

Section-C

Economic ideas of Kautilya in the field of Consumption, Production, Exchange, Distribution and Public Finance. Economic thought of Dadabhai Naoroji, Mahatma Gandhi, J.K Mehta, and Deendayal Upadhayaya.

Recommended Books:

1. Louise Haney, History of Economic Thought, Surjit publication, New Delhi.
2. M. R Blaug, Economic Theory in Retrospect: History of Economic Thought from Adam Smith to J.M. Keynes, (5th Edition), Cambridge University Press, Cambridge.
3. T N Hajela, History of Economic Thought, Ane's Student Edition, Daryaganj, New Delhi.
4. B.N. Ganguli, Indian Economic Thought: A 19th Century Perspective, Tata McGraw Hill, New Delhi.
5. Eric Roll, History of Economic Thought, Faber and Faber (Rupa).
6. J. A. Schumpter, History of Economic Thought, Oxford University Press.

22. Geography

Scheme of Examination

Faculty	Min. Pass Marks	Max. Marks
Arts/Social Science	72	200
Science	54	150
Paper I	Resources Geography	Arts 75
		Science 50
Paper II	Human Geography	Arts 75
		Science 50
Practical	18	Arts 50
		Science 50

Notes

1. Students are permitted to use the stencils, simple calculator and log tables wherever needed in both theory and practical examinations.

2. There will be a common paper for Arts and Science.

3. Q.1 will be compulsory and will cover the entire course of the paper.

   Q. No. 1 of 20% marks of the maximum marks be set in two parts.

   (a) Part (a) will have ten items for locating on a map (to be supplied by examination centre) carrying 10% marks of the maximum marks and candidates shall attempt any five items.

   (b) Part (b) will have 10 short answer questions carrying 10% marks of the maximum marks and candidates shall attempt any five items.

4. Remaining 9 questions carrying equal marks will be set with three questions from each section of the syllabus.

5. Candidate will attempt 5 questions in all including question No. 1 selecting at least one question from each section.

6. Practical examination will be conducted by the board of examiners.

7. The candidate will have to pass in theory and practical separately.

8. The non-collegiate candidates will have to attend a practical training camp of 48 hours at a college affiliated to the University of Rajasthan, Jaipur notified by the University from time to time in which Geography subject is taught on payment of fee fixed by the University. The candidates appearing at examination from any examination centre located in Jaipur City will attend the practical camp at the University Post Graduate Department on payment of fee fixed by the University. The candidate will procure Certificate of successful completion of practical training camp from the College/Department of Geography and produce the same at the time of practical examinations.

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SYLLABUS

Paper I: Resources Geography

Section A

Nature, scope and significance of resources geography, definition and classification of resources: renewable and non renewable resources, resource classification of Zimmerman. Natural Resources: Distribution, exploitation, uses and conservation of forest, water, soils, fisheries, mineral resources, energy resources (coal, petroleum, natural gas and non-conventional energy resources).

Section B

Human resources: Population growth, distribution and density, causes of inequalities, population-resources relationship and problems, Agricultural resources: fisheries and cereal crops: rice, wheat, maize and barley; beverages: tea, coffee and tobacco, commercial crops: cotton, rubber, jute, sugarcane, silk and artificial fibres. Agricultural regions of the world.

Section C

Concepts of Resources utilization, their conservation. environmental and cultural constraints in resource utilization, water conservation and rainwater harvesting, soil and forest resources conservation, land capability classes, resources regions of the world, resources regions of the India, economic regions of the India, sustainable development.

Recommended Readings:

Alexander, E.W. 1988: Economic Geography. Prentice Hall India, New Delhi.
Bunting B.C., 1987: The Geography of Soil. Prentice hall, New York.
गुर्जर, आर.के. एवं जाट, बी.सी. 2013: संसाधन भूगोल। पंचशील प्रकाशन, जयपुर।
कौशिक, एस.डी. 2010: संसाधन भूगोल। रस्तोगी पब्लिकेशन्स, मेरठ।
माथुर, बी. 1998: संसाधन भूगोल। रस्तोगी प्रकाशन, मेरठ।
Mitchell, Bruce. 1979: Geography and Resource Analysis. Longmans, London.
Park, C.C. 2001: The Environment-Principles and applicatons. Routledge, London.
Robinson, G.W. 1932 : Soils, their Origin, Constitution and Classification. London.
Shafi, M. 2004: Agricultural Geography. Pearson India.

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

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according to Brunhes and Huntington, schools of man-environment relations: determinism possibilism and neo determinism.

Section B

Human races: evolution and migration, zone-strata theory, classification of races: types, characteristics and distribution. human races in India, tribes of the world: eskimos, bushman, pigmy, masai, badduien and khirgiz; tribes in India: bhils, nagas, santhal, gond, gujjar of Jammu and Kashmir and toda. Population growth and theories, distribution and density of world population.

Section C

Migration of population: causes, types and impact; population regions and population policies in India. Rural settlements: factors affecting development of rural settlement, types and patterns of rural settlements, building materials and house types, urban settlements: process of urbanization, urban problems in India, impact of human activities on environment.

Recommended Readings:

Chandna, R.C. 2000: Geography of Population. Kalyani Publishers; New Delhi.
Dohrs, F.E. and Summners, L.W. (eds.) 1967: Introduction to Geography. Thomas Crowell Co. , New York.
Dear, M.J. and Flusty, S. (ed.) 2002: The spaces of Post modernity, Readings in Human Geography. Blackwell Publishers Ltd., Oxford.
Fellmen, Getis and Getis, J. 1998: Human Geography-Landscape of human activities. Longman, London.
गुर्जर, आर.के. एवं जाट, बी.सी. 2014: मानव भूगोल। पंचशील प्रकाशन, जयपुर।
Husain, M. 2012: Human Geography. Rawat Publications, Jaipur.
हारून, एम. 2006: संसाधन भूगोल। वसुन्धरा प्रकाशन, गोरखपुर।
Leong, G.C. and Morgan, E.C. 1982: Human and Economic Geography. Oxford University Press, Oxford 2nd Edition.
कौशिक, एस.डी. 2012: मानव भूगोल। रस्तोगी पब्लिकेशन्स, मेरठ।
मौर्य, एस.डी. 2005: जनसंख्या भूगोल। शारदा पुस्तक भवन, एलाहबाद।
पण्डा, बी.पी. 2001: जनसंख्या भूगोल। मध्यप्रदेश हिन्दी ग्रन्थ अकादमी, भोपाल।
राव, बी.पी. एवं श्रीवास्तव, बी.के. 2008: मानव भूगोल। वसुन्धरा प्रकाशन, जयपुर।
प्रसाद, रामा एवं मीना, जे. 2013: जनसंख्या भूगोल। रीतु पब्लिकेशन, जयपुर।
Singh, R.L. 2005: Fundamentals of Human Geography. Sharda Pustak Bhawan, Allahabad.

Practicals

Scheme of examination

Min. Pass Marks: 18   Max. Marks: 50

	Bifurcation of Marks	Time
Written test	24	3 hrs.
˙˙ ˡᵈ survey and viva voce	10+04	2½ hrs.
va voce	08+04	

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N.B. 1. There shall be 6 questions in written paper selecting at least two questions from each section. Candidates are required to attempt 3 questions selecting 1 question from each section. All question carry equal marks.

Section A

Definition of cartography, types of cartographic symbols and their uses, drawing instruments and materials, classification and representation of data with the help of squares, rectangles, circles, spheres, ring, pyramids, wheel diagrams, traffic flow diagram , isochronic chart.

Section B

Classification and uses of maps, drawing of isopleth, choropleth, chorochromatic, choroschematic and dot maps (simple, multiple and multi colour), measures of central tendency and dispersion: mean, median, mode, quartiles, standard deviation.

Section C

Elements of map reading. History of topographical maps in India, Scheme of topographical mapping in India as per National Map Policy, 2005. Conventional symbols and interpretation of physical and cultural features on topographical maps.
Prismatic Compass survey: equipments, methods of measurement of bearings, correction of bearings, record of survey closing error and its corrections.

Recommended Readings:

Monkhouse, F. J. and Wilkinson, F.J. 1985: Maps and Diagrams. Methuen, London
Mahmood, A. 1998: Statistical Methods in Geographical Studies. Rajesh Publication, New Delhi (fourth revised edition).
Raisz, E. 1962: General Cartography. John Wiley and Sons, New York. 5th edition.
Singh, R.L. and Singh, Rana, P.B., 1991: Elements of Practical Geography. Kalayani Publishers, New Delhi.
Sarkar, A. K. 1997: Practical Geography: A Systematic Approach. Orient Longman, Kolkata.
शर्मा, जे.पी. 2011: प्रयोगात्मक भूगोल की रूपरेखा। रस्तोगी पब्लिकेशन्स, मेरठ।
Singh, L.R 2006: Fundamentals of Practical Geography. Sharda Pustak Bhawan, Allahabad.
Venkatrameiah, C., 1997: A Text book of Surveying. University Press, Hyderabad.

23, STATISTICS
Marks Scheme

Paper	Nomenclature	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-sqare 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-sqare Distributions. **18 hours**

Unit-III

Theory of Estimation: Point Estimation-Concept and Problem for Point Estimation; Criterion of a good estimator (Unbisedness, 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 testsTesting 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.

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

(SATISTICAL 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. Srivataya O.S. (1983): A Textbook of Demography, Vikas Publishing.
8. S.C. Gupta & V.K. Kapoor: Fundamentals of Appliedl 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

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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, Fisher'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.

24 APPLIED STATISTICS
Marks Scheme

Paper	Nomenclature	Marks Science	Arks Arts	No. of hours per week
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, MGF, moments, C.G.F., Mode & Skewness and other properties (without

proof). 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. 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-. Comfidence 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.

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

(SATISTICAL APPLICATIONS IN SOCIETY AND INDUSTRY)
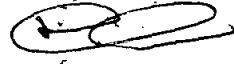
Courses contants are same as that of subject statistics.

PAPER III

Practical Paper

Courses contants are same as that of subject statistics.

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

SCHEME OF EXAMINATION :

Faculty	Max. Marks	Min. Passing Marks
Arts	200	72 (Th.54 Pr.18)
Science	150	54 (Th.36 Pr.18)

Paper	Nomenclature	Duration	Max. Marks	
			Arts	Science
I	Psychopathology	3 Hrs.	75	50
II	Psychological Statistics	3 Hrs.	75	50
III	Practicals	3 Hrs.	50	50

NOTE :-

1.   There will be three papers in Psychology. It will be common for Arts and Science. Each paper will be of 3 hours and would contain the entire course content of the paper.

Section-A   will contain 10 questions of 20 words each. Each question will be of 1.5 marks for Arts students and 1 mark for Science students. Thus, Part-A will be of 15 marks for Arts students and of 10 marks for Science students.

Section-B   will contain 7 questions of 50 words each, out of which students are required to attempt 5 questions. Each question will be of 3 marks for Arts students and of 2 marks for Science students. Thus, Part-B will be of 15 marks for Arts student and of 10 marks for Science students.

Section-C   will contain 3 long questions each with internal choice. Each question will be of 15 marks for Arts students and 10 marks for Science students. Thus, Part-C will be of 45 marks for Arts students and 30 marks for Science students.

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For clarification the distribution of marks is tabulated as below:-

ARTS			
Section	No. of Questions	Marks	Total
A	10	1.5	15
B	5 (Out of 7)	03	15
C	3 (with internal choice)	15	45
		Total Marks	75

SCIENCE			
Section	No. of Questions	Marks	Total
A	10	01	10
B	5 (Out of 7)	02	10
C	3 (with internal choice)	10	30
		Total Marks	50

2. Use of simple calculator will be allowed for statistical portions of all papers.

Paper-I

Psychopathology

Section-A

1. Introduction: Meaning of Normality and Abnormality, Characteristics of Abnormal Behaviour; Latest ICD and DSM Classification Systems.

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.

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Section-B

4. Anxiety Disorders : Nature, Clinical Picture and Types: Generalized Anxiety and Panic disorder, Phobias and Obsessive Compulsive Disorder.

5. Somatoform and Mood Disorders : Nature, Clinical Picture 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/Anxiolytics-Related Disorders.

Section-C

7. Schizophrenia : Nature, Clinical Picture and Types.

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.

Books Recommended:

*   Sarason, I.G. and Sarason, B.R. (2005) Abnormal Psychology. Delhi, Pearson Education

*   Lamm, A. (1997) Introduction to Psychopathology N.Y. Sage.

*   Buss, A.H. (1999) Psychopathology, N.Y. John Wiley.

*   अरूण कुमार सिंह (2002) आधुनिक असामान्य मनोविज्ञान, दिल्ली, मोतीलाल बनारसीदास।

Paper-II

Psychological Statistics

Section-A

1. Introduction : Nature and Scope of Statistics and Psychological Data; Application of Statistics in Psychology; Nature and Levels of Measurement - Categorical and Continuous Variables.

2. Frequency Distribution : Drawing of Frequency Distribution. Bivariate Frequency Distribution, Graphical Representation of Grouped Data-Histogram, Polygon.

3. Measurement of Central Tendency : Purpose and Types; Characteristics and Computation of Mean, Median and Mode.

Section-B

4. Measures of Variability : Concept and Uses; Characteristics and Computation of Range, Quartile Deviation, Average Deviation and Standard Deviation.

5. Correlation : Concept and Types- Pearson's Product Moment Correlation (for Ungrouped Data by Assumed Mean and Actual Mean); Spearman's Rank Order Correlation.

6. Hypothesis Testing and Inferences Making : Population and Sample, Types of Sampling, Standard error of Mean, 't' test (Independent group), Interpretation of 't' values, levels of Significance.

Section-C

7. Non Parametric Tests: Nature and Assumptions of Distribution-free Statistics; Chi-Square; Equal Probability, 2 x 2 Contingency Table; Median Tests.

8. ANOVA: Purpose and Assumptions of ANOVA. One way ANOVA

9. Computer Analysis: Preparation of Data, Uses of SPSS.

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Books Recommended:

- Broota K.D. (1992): Experimental design in behavioural research, Wiley Eastern, New Delhi.

- Minimum E.W, King B.M. and Bear. G. (1993): Statistical Reasoning in Psychology and Education, New York, John Wiley.

- Siegel. S. (1994): Non-parametric Statistics, New York, MCGraw Hill.

- कपिल एच.के. : सांख्यिकी के मूलतत्व, आगरा, विनोदपुस्तकमन्दिर।

Paper-III:

Practicals

1. Assessment of Mental Health.

2. Assessment of State and Trait Anxiety.

3. Measurement of Depression.

4. Measurement of Coping – Styles.

5. Assessment of Family Pathology.

6. Word – Association Test

7. Eight-State Questionnaire.

8. Neuropsychological Assessment.

9. Stress: Measurement and Analysis of Group Data (Mean and Median)

10. Stress: Measurement and Analysis of Group Data (t' test)

26. राजस्थानी

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

न्यूनतम उत्तीर्णांक 72

अधिकतम अंक 200

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,

27 # ANTHROPOLOGY

B.A. Part-II

Min. Pass Marks = 72

Max. Marks = 200

Paper - I

Marks = 100

Paper - II

Marks = 100

Note: The 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 Anthropology

UNIT-I

Meaning and scope of Physical Anthropology. Branches of Physical Anthropology. Relationship of Physical Anthropology with other sciences.

UNIT-II

Human evolution: Lamarckism. Darwinism.

Human genetics: Mendelian Principles.

UNIT-III

Human Variation: Definition of Race. Race and Racisim. Basis of Racial classification: morphological. Racial elements in Indian Population: Risley and Guha's classification.

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List of Books:

B.R.K. Shukla and S. Rastogi. Physical Anthropology and Human Genetics An Introduction. New Delhi. Palka Prakashan

Barnouw Victor. 1989. Physical Anthropology and Archaeology. California. Wadsworth.

Beals Ralph L. and Harry Hoijer. 1965. An Introduction to Anthropology. 3rd ed. New York. Macmillan Co.

Bhattacharya. D.K.. 1966. An Outline of Indian Pre-history. Delhi. Palka Prakashan.

Das B.M.. 1980. Outlines of Physical Anthropology. Allahabad. Kitab Mahal.

Sankalia. H.D.. 1964. Stone Age Tools: Their Techniques. Names. and Probable Functions. Pune. Deccan College.

शुक्ला श्रीसच्चन्द 1992. शारीरिक मानवविज्ञान एवम् आनुवंशिकी एवम्

भट्टाचार्य 1990. पृथ्वी से पुरातत्व. दिल्ली हिंदी माध्यम न्यास

मिश्र साहब 1991. मानव प्रगति की कहानी. लखनऊ. उत्तर प्रदेश हिंदी अकादमी

शर्मा एवं डॉ. (श्रीमति) एन.एम. शर्मा. 1966. शरीर मानव विज्ञान जयपुर अभिव्यक्ति प्रकाशन.

Paper-II Introduction to Archaeological Anthropology

UNIT-I

Meaning and scope of Archaeological Anthropology. Relationship of Archaeology with other Natural and Social Sciences. Geological time scale: Biological and Archaeological.

UNIT-II

Major stone tool typology and technology in India

    (a) Palaeolithic   (b) Mesolithic   (c) Neolithic

UNIT-III

Dating: Absolute (Radio-Carbon. K-Ar. Uranium. Obsidian); Relative (Dendrochronology, Stratigraphy. Pollen Grain)

Study of Indus Valley Civilization.

28. 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. Mrichchhkattikam
      2. Urubhangam
      3. Abhigyan Shakuntalam
   b. Parsi plays
      1. Yahudi Ki Ladki–Aga Hashra Kashmiri
      2. Veer Abhimanyu–Radhey Shyam Kathavacha

3. Ramayana–Narayan Prasad Betab

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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29. 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.

30. 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

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. आर्मस्ट्रांग व जैक्सन : 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 मां.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.

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 Feblger, 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. सिद्दाना अशोक कुमार : शारीरिक शिक्षा सिद्धांत, मनोविज्ञान एवं इतिहास : श्रीयांश पब्लिकेशन्स, जयपुर।

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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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31. 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	60	22
Total	200	72

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.
5. 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.
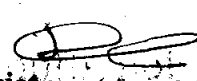
Submission Works
Max. Marks : 60   **Min. Pass Marks : 22**

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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.