UNIVERSITY OF RAJASTHAN
JAIPUR

SYLLABUS

B.A.- PART- II

EXAMINATION 2016
University of Rajasthan

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

R.11 (2)

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

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

Second Division 48%

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

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of the Subject</th>
<th>No. of Papers</th>
<th>Duration</th>
<th>Max. Marks</th>
<th>Min. Pass Marks</th>
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<tbody>
<tr>
<td>1</td>
<td>English Literature</td>
<td>Paper I</td>
<td>3 hrs.</td>
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<td>Paper II</td>
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<td>2</td>
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<td>Paper II</td>
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<td>100</td>
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<td>Arabic</td>
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<td>7</td>
<td>Philosophy</td>
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<td></td>
<td>Paper II</td>
<td>3 hrs.</td>
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**Optional Subjects (Any three of the following subjects to the restriction as mentioned in O. 203-I)**
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<td>8.</td>
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<td>Paper II</td>
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<td>Paper II</td>
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<td>Paper II</td>
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<td>Paper II</td>
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<td>12.</td>
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<td>3 hrs.</td>
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<td>Paper II</td>
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<td>90</td>
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<td>Submission of work (Regular)</td>
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<td>Sociology</td>
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<td>Paper II</td>
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<td>14.</td>
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<td>Paper I</td>
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<td>75</td>
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<td></td>
<td>Paper II</td>
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<td>75</td>
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<td></td>
<td>Viva-voce</td>
<td>3 hrs.</td>
<td>75</td>
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<td>15.</td>
<td>German</td>
<td>Paper I</td>
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<td>75</td>
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<tr>
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<td></td>
<td>Paper II</td>
<td>3 hrs.</td>
<td>75</td>
<td>150</td>
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<td>Viva-voce</td>
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<td>Home Science</td>
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<td>Paper II</td>
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<td>75</td>
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<td></td>
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<td>Paper II</td>
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<td>70</td>
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<td>Two Submission</td>
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<td>70</td>
<td>25</td>
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<td>Bio-Technology</td>
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<td>Paper I</td>
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<td>Paper II</td>
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<td>66</td>
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<td>Paper II</td>
<td>3 hrs.</td>
<td>66</td>
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<td>Paper II</td>
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<td>132</td>
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<tr>
<td>22. Geography</td>
<td>Paper I</td>
<td>3 hrs.</td>
<td>75</td>
<td>54</td>
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<td>Paper II</td>
<td>3 hrs.</td>
<td>75</td>
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<tr>
<td>23. Statistics</td>
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<td>3 hrs.</td>
<td>66</td>
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<td>Paper II</td>
<td>3 hrs.</td>
<td>66</td>
<td>132</td>
<td>48</td>
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<td>Paper II</td>
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<td>25. Psychology</td>
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<td>75</td>
<td>54</td>
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<td>Paper II</td>
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<td>75</td>
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<tr>
<td>26. Rajasthani</td>
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<td>Paper II</td>
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<td>100</td>
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<td>27. Anthropology</td>
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<td>200</td>
<td>72</td>
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<td>28. Dramatics</td>
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<td>50</td>
<td>18</td>
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<td></td>
<td>Paper II</td>
<td>3 hrs.</td>
<td>50</td>
<td>18</td>
<td></td>
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<tr>
<td></td>
<td>Practical</td>
<td>P-I</td>
<td>4 hrs.</td>
<td>50</td>
<td>18</td>
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<tr>
<td></td>
<td>Practical</td>
<td>P-II</td>
<td>4 hrs.</td>
<td>50</td>
<td>18</td>
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<tr>
<td>29. Computer Application</td>
<td>Paper I</td>
<td>3 hrs.</td>
<td>65</td>
<td>22</td>
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<td></td>
<td>Paper II</td>
<td>3 hrs.</td>
<td>65</td>
<td>22</td>
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<td></td>
<td>Practical</td>
<td>70</td>
<td>28</td>
<td></td>
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<tr>
<td>30. Physical Education</td>
<td>Paper I</td>
<td>3 hrs.</td>
<td>60</td>
<td>22</td>
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<td></td>
<td>Paper II</td>
<td>3 hrs.</td>
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<td>Practical</td>
<td>80</td>
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<td>31. Indian Heritage</td>
<td>Paper I</td>
<td>3 hrs.</td>
<td>60</td>
<td>22</td>
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<td>in Rural Handicrafts</td>
<td>Submission</td>
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<td></td>
<td>60</td>
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</table>

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.

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

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
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.)
1. केशव : रामचंद्रिका — सोलनधारी प्रकाश— अंगद सचिव संबंध

2. विहारी : (विहारी संग्रह) 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 काव्याचार — ड. रामचंद्र तिवारी, विश्वविद्यालय प्रकाशन, दार्शनिक)

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. घनानंद : 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. पदमाकर : पद संख्या—14, 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 पूरी जाएगी)

आत्मरिक विकल्प देख (4 x 10 = 40) अंक

आलोचनात्मक प्रश्न— कुल चार (4 x 15 = 60) अंक

अंतिम प्रश्न टिप्पणी पर रहो। कुल दो टिप्पणियाँ 7½ - 7½ अंक की पूरी जाएगी।

आत्मरिक विकल्प देख होगा।
बी.ए. द्वितीय वर्ष : द्वितीय प्रश्न पत्र
उपन्यास एवं एकांकी

पूर्णक : 100
विषय : अमृतलाल नागर - मानस का हंस

एकांकी:
सम कुमार वर्मा - औरंगजेब की आखिरी सत
भूवनेश्वर - उत्सर
उदयराज - पहुँचें के पीछे
गोविंदनगर राणा - उत्सर
जगदीश चंद्र माघुर - भोर का तारा
विनो प्रसाद - और वह जा न सकी
उपेन्द्र नाथ अर्जु - लक्ष्मी का स्वागत

अंक विभाजन:
- व्याख्या - कुल चार (सभी पाठों से व्याख्या पूछी जाएगी) (4 x 10 = 40) अंक
- आलोचनात्मक प्रश्न - कुल चार (4 x 15 = 60) अंक
- आंतिम प्रश्न टिप्पणियाँ पक्के होगा। कुल दो टिप्पणियों 7½ - 7½ अंकों की पूछी जाएगी।

आंतरिक विकल्प देय होगा।

Asstt. Registrar (Acad-I)
University of Rajasthan
14.1.2023
Books Prescribed:
The following are prescribed from the text Book:-
A) Ghazal'at: Dard, Momin, Nasikh
B) Qasida: Wah Wah Kya Motadil Hai Baghe Alam Ki Hawa of Zauq
C) Marsiya: Namake Khawane Takallum Hai Pasahat 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)

Books Prescribed:
1. Intikhab-e-Naur-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
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.
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 Khayyam 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.
Paper-II
Fiction, History of Persian Literature and Translation

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

Books Prescribed:
   Published By Jayyed Press, Delhi
   Only Intekhab-e-Haji-BABA
   (Upto Guftar Suwwun)

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 Rifiat.

Division of Marks
Unit-1  (A) Ten short answer type questions based on full paper.  
       (B) Translation of two passages out of three prescribed Fiction into  
       Urdu  
       Unit-2  General Question on Fiction/Character  
       Unit-3  History of Persian Literature  
       (From Tahir Period to Safavid Period)  
       Unit-4  Question on Prescribed Lessons  
       Unit-5  Translation of five Urdu sentences into Persian out of ten  
       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:
Alquairature Rshida-al-juz-wus-sali

Books Recommended:
3. Aladab-Ul-Jahiliya: by Dr. Taha Hussain.

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:
(ii) Aghazal-wa-alkalab-alshouqiyat al ahmed shouqi.
(iii) Alughatul-Araba-Diwan Modh. Hafiz Ibrahim
(iv) Al Shair Diwan Mohd. Hafiz Ibrahim.
University of Rajasthan

(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.
(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.
(xiv) Akhakaz-Tehzi (Nadvi Tauqan) - Azharul Ashaar.

Grammar :

Almarfooaat, almansooabat-wal-mujaddebat-ma-a aqsaam Alworkoh.

Essay or Letter
6. संस्कृत साहित्य

संस्कृत
सामान्य निर्देश —

1. प्रश्नक शैक्षा में दो—दो प्रश्नपत्र होगें।
2. प्रश्नपत्र में पूर्णतया उत्तरीणक 36 तथा पूर्णक 100 होगें और समय 3 घण्टे का होगा।
3. परीक्षा का माध्यम हिंदी/अंग्रेजी होगा परन्तु प्रश्नपत्र केवल हिंदी में बनाया जायेगा।
   परीक्षाधीनों को पूरी तरह से जाना चाहिए कि वह हिंदी, संस्कृत अथवा अंग्रेजी में किसी एक भाषा में उत्तर दे सके। यदि परीक्षक ने किसी प्रश्न विषय के लिए भाषा का निर्देश कर दिया है तो उस प्रश्न का उत्तर उसी भाषा में देना अनिवार्य होगा।
4. संस्कृत केवल देशनागरी लिपि में ही लिखा जाना अपेक्षित है।
5. निर्धारित प्रश्न में से अनुवाद, व्याप्त, सरलता एवं समालोचनात्मक प्रश्न पूछे जायेंगे।
6. प्रश्नपत्र में 10 प्रश्नों के लिए निर्धारित हैं। प्रत्येक प्रश्नपत्र में 15 प्रश्न लघुत्तरात्मक होंगे जिनमें से प्रथम 5 प्रश्नों का उत्तर संस्कृत भाषा के माध्यम से देना होगा, प्रश्नपत्र के लिए 2 अंक निर्धारित हैं। जिस प्रश्नपत्र में संस्कृत अनुवाद/निबंध पूछे गए हैं वहाँ संस्कृत में उत्तर अपेक्षित नहीं हैं।

पश्चिम योजना— पूर्णतया उत्तरीणक—72
प्रथम प्रश्न—पत्र
अंक—100
प्रश्नपत्र—पत्र
अंक—100

प्रथम प्रश्न—पत्र— वैदिक साहित्य, गद्य साहित्य एवं व्याकरण
समय: 3 घण्टे अंक—100

प्रथम प्रश्न में निर्धारित प्रश्न में से लघुत्तरात्मक निष्पादनात्मक, अनुवाद, व्याख्या च समालोचनात्मक प्रश्न पूछे जायेंगे। 15 प्रश्न लघुत्तरात्मक होंगे जिनमें से प्रथम 5 प्रश्नों का
उत्तर संस्कृत भाषा के माध्यम से देना होगा, प्रश्नक्रम के लिए 2 अंक निर्धारित हैं। जिस प्रश्नक्रम में संस्कृत में अनुवाद/निबंध पूछे गए हैं वहीं संस्कृत में उत्तर अपेक्षित नहीं हैं।

पाठ्यक्रम

1. वैदिक साहित्य
   (क) अष्टेढ़ के निम्नलिखित सूक्तों का अध्ययन—20 अंक
   अनिष्ठुका (1/1) वरणसूक्ता (1/25) इन्द्रसूक्ता (2/12) कृष्णपरमसूक्ता (4/57)
   विश्वेदयादि (5/58) प्रजापतिपुरुष (10/121) संज्ञानसूक्ता (10/191)
   इन सूक्तों के मंजूर का अनुवाद, व्याख्यात्मक टिप्पणी एवं उक्त देवताओं का चरित्र,
   स्वरूप से सामान्यता प्रस्तावित है।
   (ख) कठोपनिषद—प्रथम अध्याय—प्रथम वल्लि 10 अंक

2. गद्य साहित्य—शुकनासोपदेशा (कादम्बरी—आण्वमदुत से) 25 अंक

3. वैदिक साहित्य का इतिहास
   (क) देव तथा प्रमुख भाष्मण प्राचीन का सामान्य परिचय 10 अंक

4. व्याकरण—लघुसिद्धान्तकौमुदी—नामिक (अवधा एवं हल्ला) 35 अंक
   (क) हल्ला प्रकरण—15 अंक
   निम्नलिखित शब्दों की रूपसिद्धि एवं इनमें प्रयुक्त होने वाले
   सूची का अर्थात्मक—विश्ववाह, राजन, भगवत, विद्वास, युद्ध, अम्बद और चतुर, इदम।
   (ख) तिथुत्र व्याकरण—20 अंक
   निम्नलिखित धातुओं की रूपसिद्धि एवं इनमें प्रयुक्त होने वाले
   सूची का अर्थात्मक — भू, एघ, अघ, दिघ, हु, सु, तन, की, सघ, तुद, चुर धातु।

अंक—विवरण

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<th>अंक सं.</th>
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<td>कुल योग</td>
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प्रश्न—पत्र का निर्माण निम्नानुसार होगा—

1. सभी प्रश्न अनिवार्य हैं।
2. प्रत्येक पुस्तक से लघुसिद्धांत व निबन्धात्मक, व्याख्यात्मक प्रश्न पूछे जायेंगे।

लघुसिद्धांत प्रश्न के 2 अंक निर्धारित हैं।

निबन्धात्मक/ व्याख्यात्मक प्रश्न

1. वैदिक साहित्य

(क) अथवा— प्रश्न सं. 1 में 4 मन्त्र पूछकर उनमें से किसी 2 की समस्त संग व्याख्या पूरी जाएगी।

2. शुक्लायणोपवेश

प्रश्न सं. 4 में 4 ग्रंथांश पूछकर उनमें से किन्हीं 2 की समस्त संग व्याख्या पूरी जाएगी।

2. वैदिक साहित्य का इतिहास

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

भाषा: लघुसिद्धांत कौमुदी
सहायक पुस्तकों

1. वैदिक सूत्र मूल्याचली— द्वै. सुधीर कुमार गुप्त, हंसा प्रकाशन, जयपुर।
2. ऋग्भुजस्तं भण्डरी— डॉ. सुभाष वेदालंकार, —अलंकार प्रकाशन, जयपुर।
3. ऋग्भदसहिताः—एक. मैक्समूलर—चौथमया प्रतिष्ठान दिल्ली।
4. ऋग्भदसहिताः—डॉ. शाहदा चुलचुदी—चौथमया प्रतिष्ठान दिल्ली।
5. ऋग्भदसहिताः—डॉ.के.शर्मा—चौथमया प्रतिष्ठान दिल्ली।
6. क्रान्तिपिण्ड—वैज्ञानिक पाण्डेय—मोहनलाल वनारसीदास, दिल्ली।
7. क्रान्तिपिण्ड—डॉ. राजेंद्रप्रसाद शर्मा—जगदीश संस्थान पुस्तकालय, जयपुर।
8. क्रान्तिपिण्ड—नवनी प्रकाशन, जयपुर।
9. क्रान्तिपिण्ड(प्रथम भागी)— डॉ. सुभाष वेदालंकार, —अलंकार प्रकाशन, जयपुर।

गद्दी—साहित्य:

1. शुक्लासौपदेश— डॉ. सुभाष वेदालंकार, अजमेरा बुक कंपनी , जयपुर।
2. शुक्लासौपदेश—महालबंध प्रकाशन, आगरा।
3. शुक्लासौपदेश—डॉ. श्रीकृष्ण मोहन, आदर्श प्रकाशन, जयपुर।
4. कादम्बी— चौथमया संस्कृत प्रतिष्ठान, दिल्ली।

संस्कृत साहित्य का इतिहास:

1. संस्कृत साहित्य की लगभग—चन्द्रशेखर पाण्डेय, चौथमया प्रकाशन , वाराणसी।
2. संस्कृत साहित्य का नवीन इतिहास—डॉ. पुषकरवत शर्मा।
3. संस्कृत साहित्य का संग्रहालयात्मक इतिहास—डॉ. रामजी उपाध्याय, रामनारायण वेनोधार, इलाहाबाद।
4. संस्कृत साहित्य का इतिहास— श्री सत्यानारायण शास्त्री, आर्य बुक हिडियो, दिल्ली।
5. संस्कृत साहित्य का इतिहास— डॉ. वल्देव उपाध्याय, चौथमया प्रकाशन, वाराणसी।
6. संस्कृत साहित्य का इतिहास— संगलदेव शश्त्री, मोतीलाल बनास्किदास, दिल्ली।
7. संस्कृत साहित्य का इतिहास— प्रो. उमाशंकर शर्मा ऋषि, चौकथा प्रतिष्ठान दिल्ली।
8. संस्कृत साहित्य का इतिहास— हेमा स्मारक निपाठी चौकथा प्रतिष्ठान दिल्ली।
9. वैदिक साहित्य एवं संस्कृति का रूपम्— आम्र प्रकाश पापडेय, विश्व प्रकाश।

लघुसिद्धान्त कौमुदी:
1. लघुसिद्धान्त कौमुदी— धर्म अर्कनाथ चौधरी, जगदीश संस्कृत पुस्तकालय, जम्मू।
2. लघुसिद्धान्त कौमुदी— महाश्रीसिंह कुशलाचार धर्म व द्वितीय भाग, चौकथा संस्कृत प्रतिष्ठान दिल्ली।
3. लघुसिद्धान्त कौमुदी, श्रीश्रीधरानंद शास्त्री, मोतीलाल बनास्किदास, दिल्ली।
4. लघुसिद्धान्त कौमुदी, विश्वनाथ शास्त्री, मोतीलाल बनास्किदास, दिल्ली।

द्वितीय प्रश्नपत्र

नाट्क, छन्द, अलंकार एवं संस्कृत साहित्य का इतिहास

समय: अघण्टे  
अंक 100

प्रथम प्रश्न में निर्धारित ग्रंथ में से लघुसिद्धान्त निव्वालक, अनुवाद, व्याख्या व उपलब्धितत्त्व प्रश्न पूछ जायेंगे।

पादयकम

1. अभिज्ञानशास्त्रकुलम्— कालिदास  
2. छन्द— अभिज्ञानशास्त्रकुलम् के आधार पर निम्नलिखित छन्दों के लक्षण  
   एवं उदाहरण—अनुपुप, आयं, उपमा, भुजंगविहार, कसनातितक, शिखरिणी,  
   मालिनी, शान्तलविहिडित, इन्द्रविज, उपेन्द्रविज, सहोदरता, हरिणि, समस्ता,  
   मण्डलकाता।  
10 अंक

अलंकार— कायदीपिका(अध्य शिखा) के आधार पर निम्नलिखित अलंकारों के लक्षण  
एवं उदाहरण—अनुप्रास, यमक, श्लेष, वकोक्ति, उपमा, सर्पक, उत्तमक,  
अतिशयोक्ति, अप्रस्तुतासंस्कार, विभवम, विवेयोक्ति, व्यातिपेक, समासोक्ति, दृढ़दान,  
धीपक, तुल्योणिगा, संदेह, भान्निगम।  
10 अंक

3. संस्कृत साहित्य का इतिहास  
(क) वीरचक्र: रामायण तथा महाभारत  
(ख) महाकाव्य एवं काव्य—कालिदास, अश्वमय, भारवि, माघ।
4. अनुवाद (हिंदी से संस्कृत)

अंक— विवाहन

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<th>लघूतरलमक प्रश्न</th>
<th>अंक</th>
<th>निबन्धालमक प्रश्न संख्या</th>
<th>अंक</th>
<th>अंकों का योग</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>अमिशान शाकुरलम्ब</td>
<td>लघूतरलमक 05</td>
<td>10</td>
<td>03</td>
<td>35</td>
<td>10+35=45</td>
</tr>
<tr>
<td>2.</td>
<td>छन्द (अनिशान शाकुरलम्ब के आधार पर)</td>
<td>लघूतरलमक 01</td>
<td>02</td>
<td>01</td>
<td>08</td>
<td>2+08=10</td>
</tr>
<tr>
<td>3.</td>
<td>अलकार (काव्यपीता अनिशान शिखा के आधार पर)</td>
<td>लघूतरलमक 01</td>
<td>02</td>
<td>01</td>
<td>08</td>
<td>2+08=10</td>
</tr>
<tr>
<td>4.</td>
<td>संस्कृत साहित्य का प्रतिबन्ध</td>
<td>लघूतरलमक 08</td>
<td>16</td>
<td>01</td>
<td>9</td>
<td>16+9=25</td>
</tr>
<tr>
<td>5.</td>
<td>अनुवाद</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

कुल योग  | 15 | 30 | 07 | 70 | 100 |

प्रश्न—पत्र का निर्माण निम्नानुसार होगा—

रेखा: ‘आ’ 30 अंक

प्रश्न—पत्र का निर्माण निम्नानुसार होगा—

1. सभी प्रश्न अनिवार्य हैं।
2. प्रत्येक पुस्तक से लघुतरलमक व निबन्धालमक, व्याख्यालमक प्रश्न पूछे जायेंगे। लघुतरलमक प्रश्न के 2 अंक निर्धारित हैं।
सिद्धांतक: / व्याख्यातक प्रश्न

1. अभिज्ञानशाकुन्तलम्
   प्रश्न सं. 1— में 1 से 4 अंकों में ले 4 श्लोक पूछकर उनमें से किन्हीं 2 की सामान्य व्याख्या पूर्ण जाएगी।
   14 अंक

   प्रश्न सं. 2 में 5 से 7 अंकों में ले 4 श्लोक पूछकर उनमें से किन्हीं 2 की सामान्य व्याख्या पूर्ण जाएगी।
   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. अलकार
   प्रश्न सं. 5— में 4 अलकार पूछकर उनमें से 2 के लक्षण एवं उदाहरण अपेक्षित है।
   08 अंक

4. संस्कृत साहित्य का इतिहास
   प्रश्न सं. 6— में 2 विवेचनात्मक प्रश्नों में से 1 प्रश्न का उत्तर अपेक्षित है।
   09 अंक

5. अनुवाद (हिन्दी से संस्कृत)
   प्रश्न सं. 7— में 10 वाक्यों में किन्हीं 5 वाक्यों का संस्कृत अनुवाद प्रति अनुवाद दो अंक निर्धारित है।
   10 अंक

सहायक पुस्तकें
अभिज्ञानशाकुन्तलम्
1. अभिज्ञानशाकुन्तलम् डॉ. गंगासागर राय, चौकम्भा संस्कृत प्रतिवेदन, दिल्ली
2. अभिज्ञानशाकुन्तलम् जगदीशप्रसाद शर्मा— रचना प्रकाशन, जयपुर
3. अभिज्ञानशाकुन्तलम् शुक्लयोगनंद पंत— मोतिलाल बनारसी, दिल्ली
4. अभिज्ञानशाकुन्तलम् जगदीशशाल शास्त्री— मोतिलाल बनारसी दिल्ली
5. काव्यदीक्षा— परसेश्वरनंद शर्मा, मोतिलाल बनारसी दिल्ली
संस्कृत साहित्य का इतिहास—
1. संस्कृत साहित्य की उपरेखा— चंद्रशेखर पाण्डेय एवं नानूरम व्यास, चोखम्या प्रकाशन, द्वारकापुर
2. संस्कृत साहित्य का नवीन इतिहास— डॉ. गुप्तकरदत्त सर्वां, अजमेरा बुक क. जयपुर
3. संस्कृत साहित्य का आलोचनात्मक इतिहास— डॉ. रामबीर उपाध्याय, रामनाथपुराणलाल बेलभाण, इलाहाबाद
4. संस्कृत साहित्य का इतिहास—श्री सत्यानाथराय, शास्त्री, आयर बुक डिल्ली, दिल्ली
5. संस्कृत साहित्य की प्रमुखतायें— डॉ. जयकिशनप्रसाद खण्डेलवाल, विनोद पुस्तक मंदिर, आगरा
6. संस्कृत साहित्य का इतिहास— ए.डी. कीठ, अनु, मंगलदेव शास्त्री प्रतिज्ञान, दिल्ली
7. संस्कृत साहित्य का इतिहास— प्रो. राजावंश सहाय ‘हीरा’ चोखम्या संस्कृत प्रतिज्ञान दिल्ली
Philosophy

Scheme:

Two Papers

Min. Pass Marks 72

Max. Marks 200

Paper I

3 hrs. 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.
one question from each unit. Each question will be of 20 marks.

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

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

Unit A:
Teaching Hrs.: 25

<table>
<thead>
<tr>
<th>Topic</th>
<th>Division of teaching hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Sentence and proposition, logical form</td>
<td>6</td>
</tr>
<tr>
<td>2. Truth, validity and soundness</td>
<td>3</td>
</tr>
<tr>
<td>3. Uses of language</td>
<td>3</td>
</tr>
<tr>
<td>4. Informal Fallacies</td>
<td>10</td>
</tr>
<tr>
<td>5. Laws of Thought</td>
<td>3</td>
</tr>
</tbody>
</table>

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
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: A Modern Introduction to Logic

**Paper II: Ethics (Indian and Western)**
(Total Teaching Hrs.: 90)

**Unit A: Indian Ethics**
Teaching Hrs.: 40

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

**Unit B: Western Ethics**
Total Teaching Hrs.: 50

<table>
<thead>
<tr>
<th>Topic</th>
<th>Division of teaching hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Nature and scope of ethics.</td>
<td>5</td>
</tr>
<tr>
<td>2. Introduction: concerns and presuppositions; free will.</td>
<td>5</td>
</tr>
<tr>
<td>3. Teleological ethics: egoism; hedonism; utilitarianism.</td>
<td>12</td>
</tr>
<tr>
<td>4. Deontological ethics: Kant</td>
<td>8</td>
</tr>
<tr>
<td>5. Intuitionism (excluding Neo-...)</td>
<td>6</td>
</tr>
<tr>
<td>6. Virtue ethics: Socrates, Plato and Aristotle</td>
<td>9</td>
</tr>
<tr>
<td>7. Theories of punishment.</td>
<td>5</td>
</tr>
</tbody>
</table>

Suggested Readings:
- I.C. Sharma: Ethical Philosophies of India.
Syllabus B.A. Part-II

Surna Das Gupta : 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 के मूल सिद्धांत : नीतिशास्त्र के मूल सिद्धांत

Asstt. Registrar (Acad.)
University of Rajasthan
JAIPUR
The scheme of examination will be as follows:

**Scheme:**

<table>
<thead>
<tr>
<th></th>
<th>Maximum Marks 200</th>
<th>Minimum Pass Marks 72</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper I</td>
<td>3 hrs. Duration</td>
<td>Marks 100</td>
</tr>
<tr>
<td>Paper II</td>
<td>3 hrs. Duration</td>
<td>Marks 100</td>
</tr>
</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>अधिकारि अंक 200</th>
<th>अंक 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>प्रश्न प्रश्नपत्र</td>
<td>समय 3 घंटे</td>
</tr>
<tr>
<td>द्वितीय प्रश्नपत्र</td>
<td>समय 3 घंटे</td>
</tr>
</tbody>
</table>

नोट : 'यितिहास विषय के कुल दो प्रश्नपत्र होंगे, प्रत्येक प्रश्नपत्र तीन घंटे की अवधि का एवं 100 अंकों का होगा। प्रत्येक प्रश्नपत्र के दो भाग होंगे। प्रथम भाग 40 अंकों का होगा एवं इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंकों के प्रश्न अनिवार्य प्रश्न में, दो—दो अंक के 10 अनिवार्य अतिलघुततात्त्वक प्रश्न होंगे। प्रत्येक उत्तर की शब्द सीमा 20 शब्द। 20 अंकों के द्वितीय अनिवार्य प्रश्न में, चार—चार अंकों के 10 लघुततात्त्वक प्रश्न होंगे जिनमें से 05 प्रश्न करने होंगे। प्रत्येक उत्तर की शब्द सीमा 50 शब्द। प्रश्नपत्र के द्वितीय भाग में, पादयक्तन के तीन खण्डों में चार, प्रत्येक खण्ड से दो—दो प्रश्न का चयन करते हुए, कुल 06 विषयसाधारण प्रश्न होंगे। प्रत्येक प्रश्न 20 अंकों का होगा। परिशिष्टावियों 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।
PAPER I : HISTORY OF MEDIEVAL INDIA (c. 1200-1761 A.D)

Section - A


Section - B


Section - C

धिलौ सल्तनत के काल के दो साड़े का संबंध है। युगीन आक्रमण एवं समस्त राजकीय दिखाई। दिलौ सल्तनत की स्थापना एवं सुधारकरण। कबीर की भाषा भाषा एवं तुलनात्मक विवरण। संपूर्ण राज्य का उदय। बहमन एवं विजयवंगीर राज्यों का योगदान।

मुगल काल के स्रोतों का संबंध है। मुगल साम्राज्य की स्थापना। देशराज सूरी का उत्कर्ष एवं उसका प्रसार। अकबर के अधीन मुगल साम्राज्य का विस्तार एवं सुधारकरण। मुगल राजनीति में मुगलों की भूमिका। राजपूत, रियासात, दक्षिणी राज्य, मसूद, फारस एवं मध्य पश्चिम के स्वन्त नासिक की नीति। मुगलों की धार्मिक नीति। शिवाजी का उत्कर्ष तथा 1761 ईस्वी तक मसूद व राजपूत का विस्तार। मुगल साम्राज्य का पतन।

भारत (1200 से 1761 ईस्वी) में राजस्वासन, समाज, अर्थव्यवस्था एवं संस्कृति की मुहत विवेचनाएं का अलौकित मूल्य बनाना। राज्य की प्रकृति। प्रारंभिक एवं कृषि संस्थानों विकास। अर्थव्यवस्था की विकास। कृषि, उद्योग, व्यापार, वैज्ञानिक, नागरिक केंद्र। समाज की सामाजिक वर्ग उल्लेख, विशेष रूप से कुलीन वर्ग, कृषि वर्ग, दस्तमहल दिवों की सिद्धित। संस्कृत साहित्य, महाकाव्य धर्म, नृत्य-कला, स्नान व िना परम। कला, विद्या एवं साहित्य की प्रगति। संस्कृत और समय-ह्यु मुहत एवं समय संस्कृति व विकास।

Books Recommended (अनुशब्दित पुस्तकें):

Hermann Kulke (ed.): The State in India, 1000-1700 A.D., Delhi, 1997
A. Mahdi Husain :  The Tughlaq Dynasty.
Satish Chandra:  Medieval India – From Sultanate to the Mughals, Part I.
                Delhi Sultanate (1206-1526), 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.
Cambridge Economic History of India, Vol. I, c. 1200-1750 A.D., Delhi, 1984

John F. Richards
The Mughal Empire, Delhi, 1993

Jadunath Sarkar
Mughal Administration, Delhi, 1972

Irfan Habib
Agrarian System of Mughal India, 1526-1707, Mumbai, 1963

S. R. Sharma
Religious Policy of the Mughal Empire (also in Hindi), Agra, 1972

Burton Stein
Vijayanagar, 1989

Peasant State and Society in Medieval South India, Delhi, 1980

H.K. Sherwani
The Bahamani Kingdom

G. S. Sardesai
New History of the Marathas, Vol. 1

A. L. Srivastava
Medieval Indian Culture (also in Hindi), Agra, 1964

Akhilesh Tiwari
Mughal-Hindu Concept, 1526-1605, Avadh University, 2000

Anand Prakash
Mughal-Hindu Concept, 1526-1605, Lucknow, 2006

Amulya Prasad
Mughal-Hindu Concept, 1526-1605, Varanasi, 2006

Harshvardhan Dwivedi
Mughal-Hindu Concept, 1526-1605, Varanasi, 2006

Hari Sharan
Mughal-Hindu Concept, 1526-1605, Varanasi, 2006
SECTION - A


SECTION - B


SECTION - C


पत्र द्वितीय प्रश्नपत्र : भारत के सांस्कृतिक इतिहास की मुख्य धाराएँ

खण्ड - के

संस्कृति का अर्थ : भारतीय संस्कृति का प्रारूप तथा इतिहास। धर्म एवं संस्कृति : देवदृश्च, धर्म, ब्राह्मण धर्म एवं जैन धर्म, वैष्णव धर्म एवं शिव धर्म। भक्ति आंदोलन। महत्वपूर्ण धर्म एवं धर्मीय गति। दर्शन एवं संस्कृति : युगान्तरों का शिल्प, भागवतीय गीत।

खण्ड - ख

साहित्य एवं संस्कृति : साहित्य, महाभारत एवं पुराणों का गहन। कालविचार, तुलसीदास एवं शूरीदास का योगदान। सामाजिक संस्कृतियाँ एवं संस्कृति : मध्यकालीन भारत के सामाजिक आदर्श - धर्म, आर्थम, संस्कार, पुरुषार्थ। 19वीं एवं 20वीं शताब्दी के समाज-संसार आंदोलन।
कला एवं संस्कृति : भारतीय कला की विवेचनाएं। गंगदर स्थापत्य की शैलियों। अबू, खजुराहो, उज्जैन, पलव एवं चौल मंदिरों का संक्षिप्त अध्ययन। कला के प्रसाद में विद्वानता - शैल विद्वानता, अप्रज्ञा विद्वानता, मुगल विद्वानता। विज्ञान एवं संस्कृति - आयरनेट, वेरामिडियर, चर्च एवं शुक्र का योगदान।

Books Recommended (अनुसरणीय पुस्तकें):

G.C. Pande : 
Foundations of Indian Culture, Vol. I and II

R.G. Bhandarkar : 
Meaning and Process of Culture

Rajbali Pandey : 
Vaishnavism, Saivism and other Minor Religious Systems.

A.L. Srivastava : 
Hindu Samskars (The Social and Religious Study of the Hindu Sacraments), (also in Hindi), Varanasi

V.S. Agrawala : 
Medieval Indian Culture (also in Hindi).

Krishna Dev : 
Indian Art, Varanasi.

K.R. Srinivasan : 
Temples of North India (also in Hindi), NBT, New Delhi

A.L. Basham : 
The Wonder that was India (also in Hindi)

The Cultural History of India (ed.)

मोडियुमम हा पाने 
भारतीय परम्परा के मूल स्तर, नई दिल्ली, 1993
भारतीय समाज - तात्पर्य एवं ऐतिहासिक विच्छेदन, नई दिल्ली, 1994

एन.के. देवराज 
भारतीय दर्शन, लखनऊ, 1963

राजशील पाठे 
हिन्दू संस्कार, वाराणसी

मजदूर गिन्नर 
प्राचीन भारत का सामाजिक इतिहास, पटना, 1999

ए.ए. श्रीवास्तव 
मध्यकालीन भारतीय संस्कृति (अनुसंधान)

चूँकियाँ नारेवाल अग्रवाल 
भारतीय कला

श्रीवल्लभ पुरुषोत्तम अग्रवाल 
प्राचीन भारतीय कला एवम् वास्तु, विशेषविद्वानता प्रकाशन, वाराणसी, 2002

कृष्णदेव 
उत्तर भारत के मंदिर, नेपाल कुंकुरु टूरिंग, नई दिल्ली

के.आर. श्रीनिवासन 
दक्षिण भारत के मंदिर, नेपाल कुंकुरु टूरिंग, नई दिल्ली

सत्य प्रकाश 
भारतीय विज्ञान की परम्परा

ए.ए. बाबू 
अद्वैत भारत (अनुसंधान)

(अनुवादक)

University of Lucknow
नोट: राजनीति विज्ञान के दो प्रश्न-पत्र होंगे। प्रत्येक प्रश्न-पत्र 3 प्रश्नों में विभाजित होगा।

प्रश्न-पत्र के दो भाग होंगे। प्रथम भाग 40 अंकों का होगा। इस भाग में 20 अनिश्चित उत्तर होंगे। प्रत्येक प्रश्न दो अंकों का होगा। प्रथम प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20 अंकों में देना होगा। निर्धारित हद तक से अधिक उत्तर देने पर अंक कटेंगे जो सके। प्रश्न-पत्र के लिए निर्धारित 3 प्रश्नों की आवश्यकता है। से अधिकतम 1 प्रश्न की आवश्यकता प्रश्न-पत्र के इस भाग के लिए निर्धारित होगी। प्रश्न-पत्र के इस भाग में पूरे पाठ्यक्रम के प्रश्न होंगे।

प्रश्न-पत्र के दूसरे भाग में पाठ्यक्रम के तीनों खंडों में से प्रत्येक में से ही - 'यो-यो' नियमानुसार प्रश्न के प्रश्न होंगे। परीक्षार्थी को प्रत्येक खंड में से कम से कम एक प्रश्न का उत्तर देना होता है। कुल 3 प्रश्न होंगे। प्रत्येक प्रश्न 20 अंकों का होगा। प्रश्न-पत्र का यह भाग 60 अंकों 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- पत्र: प्रमुख राजनीतिक व्यवस्थाएँ

विचारधाराओं से अभावक देशों की राजनीतिक प्रणालियों के महत्वपूर्ण पक्षों-बिघासित, कार्यालयिक, न्यायालयिक, राजनीतिक दल एवं वर्तमान प्रवृत्तियों का विशेषज्ञातक और तुलनात्मक उत्पादकों से आदर्शवाद करने की अपेक्षा की आवश्यकता है।

खण्ड के

ब्रिटेन।

खण्ड c'कः

संयुक्त राज्य अमेरिका।

खण्ड g'कः

चीन, जापान, रिहायरेप्ट।
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
- R.C. Agarwal : World Constitutions.

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हितीय प्रश्न—पृथ्व: भारतीय साजीनोत्तक स्वतंत्रता

खण्ड एक

भारत में राष्ट्रीय आंदोलन—भारत में राष्ट्रवाद का उदय, भारतीय राष्ट्रीय कांग्रेस एवं मुस्लिम लीग की स्थापना, उदारवादी और उग्रवादी, गंगों व राष्ट्रीय आंदोलन, भारत में संविधानिक विकास—भारत में शासन अधिनियम, 1919 (दूसर शासन के विशिष्ट संदर्भ में), भारत शासन अधिनियम, 1935 (प्राचीन स्वतंत्रता के विशिष्ट संदर्भ में), नवविधान निर्माण सन्नाटा।

खण्ड दो

संविधान की प्रस्तावना, संविधान व्यवस्था, मौलिक अधिकार, राज्य नीति के निर्देशक तत्त्व, संविधान कार्यालयक: राष्ट्रपति, प्रधानमंत्री व मंत्रिपरिषद, संघीय संसद, उच्चाय व्यावहारिक व न्यायिक पुनर्योजन, न्यायिक संरचना, महानिदेश न्यायिक, संविधान संरक्षण की प्रक्रिया, संघ—राज्य सम्बन्ध, संविधानिक एवं विद्यमान आयोग—निर्वाचन आयोग, संघ लोक सेवा आयोग, राष्ट्रीय मान्यतावादी आयोग।

खण्ड तीन

राज्यों का शासन राज्य संविधानिक, राज्य कार्यालयक: सचिवालय, मुख्यमंत्री एवं मंत्री परिषद, कार्यरत राज्यों को विदेश दर्जा और उनके प्रभाव, दलितीय स्वतंत्रता, भारत में संतुलनस्थिति की प्रकृति, भारतीय साजीनोत्तक स्वतंत्रता के समस्त धमकी अवधारणाओं—भेदभाव, जातिवाद, समस्तताविकता, नकलवाद, अत्याचार, संघाती राज एवं संघ निवारण, 73 वें व 74 वें संविधान संशोधन की महत्ता।

अनुशंसित पुस्तकों—

N.D. Palmer : The Indian Political System, Houghton Miffling, Boston, 1971
Rajni Kothari: Bharat Mein Rajniti (orient Longmans, New Delhi, 1972)
Govind Ram : Bharatiya Rajya Vyavastha.
B.L. Fadia : Bharatiya Rajya Vyavastha.
Chaddha, P.K : Bharatiya Rajnitik Pranali (Adarsh Prakashan Chaura Rasta, Jaipur)
Basu, D.D: Introduction to Constitution of India
Kashyab, Subash : Our Parliament
Sharma B.K : Bharatiya Samvidhan

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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.


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 Miffling, Boston, 1971
Rajni Kohli : Bharat Mein Rajnitii (orient Longmans, New Delhi, 1972)
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
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. Marks 120 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.
**Principles of Indian Music**

**Section – A**

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

(b) Notation writing in prescribed ragas.

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

(d) Recognition 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:

Vocal 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.

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**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 (विलंबितगत) and a Drutgat (दृतगत) 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) Jaijaivanty.

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. Ratanjanker.
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.
9. A Short survey of the Music of the Northern India by Pt. V.N. Bhatkhande.
10. संगीत के जीवन पृष्ठ by S.Rai.
13. Sangeet Visharad by Basant.
(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

<table>
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<th>Scheme</th>
<th>Max. Marks</th>
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<th>Time</th>
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<td>Two Papers</td>
<td>200</td>
<td>72</td>
<td>3 Hrs.</td>
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<tr>
<td>Paper - I</td>
<td>100</td>
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<td>3 Hrs.</td>
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<tr>
<td>Paper - II</td>
<td>100</td>
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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 one question from each section. Total Marks: 60

Syllabus

Paper-I : Administrative Institutions in India

Section - A


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

**Section - B**

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


**Section - C**

Organization and working of following Administrative Institutions:


**Books Recommended:**

A. Core Books:

1. Waldo: Administrative State.
5. विभाजित खाते एवं अंतर सिद्धेन्द्र प्रशासनिक संस्थाएँ
6. Dr. H.C. Sharma: Prashasnik Sansthayen.

B. Books for Reference:


C. Journal:

1. Indian Journal of Public Administration, New Delhi.

Note—कुल तरतूद का प्रश्न 200 प्रश्नों का संग्रह है। प्रत्येक प्रश्न का विचार तीन घटकों में विभाजित किया गया है। प्रत्येक घटक का संग्रह 100 अंकों का होगा। इस भाग में दो अंतर्द्विभागों में विभाजित होगा। 20 अंकों के प्रत्येक प्रश्न में, एक-एक अंक के 20 बहुविकल्पी प्रश्न होंगे। 20 अंकों का प्रत्येक प्रश्न सीमित समय संबंध वाले प्रश्नों का
होगा। इस प्रसन्न के अंतर्गत दो-दो अंकों के 10 प्रश्न होगे। प्रत्येक प्रसन्न का एक उत्तर परीक्षार्थी को अधिकतम 20 अंकों में देना होगा। निर्धारित शाख सीमा से अधिक अंकों में उत्तर देने पर अवधित अंक ही सकेंगे। प्रसन्न-पत्र के लिए निर्धारित कुल 3 चरणों की अवधि में अधिकतम 1 चरण की अवधि प्रसन-पत्र के इस भाग के लिए निर्धारित होगी।

प्रसन-पत्र के इस प्रथम भाग के दोनों प्रश्न, 3 चरणों में निभाया जाता है। प्रत्येक प्रश्न के तीनों खण्डों से संबंधित होगा। पत्र के दूसरे भाग में, पाठ्यक्रम के तीनों खण्डों ने संबंधित होगा। प्रत्येक प्रश्न का चयन करते हुए कुल 3 प्रश्न करने होगे। प्रत्येक प्रश्न 20 अंकों का होगा। प्रश्न पत्र का यह भाग 60 अंकों का होगा।

पाठ्यक्रम :

प्रथम खण्ड

प्रजातात्त्विक तथा समाजवादी समाज में प्रशासनिक संरचनाएँ, आहतस्वेत्वादी राजवंश, कल्याणकारी राज्य तथा प्रशासनीय राज्य की अथवा राज्य की संस्था। व्यवस्थापिता—इसकी भूमिका तथा आयुक्तिक समय में इसके द्वारा का कार्य; कार्यपालिका प्रकाशन से व्यवस्थापिता का कार्यपालिका; न्यायाधीश; न्यायाधीश—न्यायिक पुरुषार्थकर्मी की शक्ति के विषय संदर्भ में—न्यायिक संदर्भ।

द्वितीय खण्ड

लोकतंत्र तथा प्रशासन, लोकतात्त्विक प्रशासन के लक्षण, नीतिशासी की भूमिका। राजनीतिक तत्त्व तथा लोकतंत्र समूह का जीवन परिवर्तन, जीवन परिवर्तन, परिवर्तन का संघर्ष के प्रशासनिक कार्य प्रणाली, निर्माण आयोग तथा भारत में निर्माण का प्रशासन।

तृतीय खण्ड

निम्नान्तित प्रशासनिक संरचनाओं का संगठन तथा कार्य प्रणाली:- 1. विश्वविद्यालय अनुदान आयोग, 2. सर्व तोड़ से आयोग, 3. रीतव बॉर्ड, 4. भारतीय रिजर्व बैंक, 5. केंद्रीय समाज विकास बॉर्ड।

अनुसंधारित पुस्तकें:

(अ) मुख्य पुस्तकें:

1. वाल्डो : एडमिनिस्ट्रेटिव स्टेट्स
2. फील्ड : गवर्नमेंट इन माउंट नोर्थवर्थी
3. फार्मेर्स : गवर्नमेंट कर्मीशन
4. अर्थ. अर्थ. पीए : अनिवार्यता के अनि गवर्नमेंट अफ्ट इंडिया।

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5. वियाद्धीन खां एवं अंतर सिंह : प्रशासनिक संस्थाएँ
6. डॉ. एच.सी. सार्का : प्रशासनिक संस्थाएँ
7. फाईनेंस बैंकिंग कमीशन ऑफ इंडिया
8. एच.जी. गुप्ता : मार्केट गवर्नमेंट

(ब) संदर्भ पुस्तकेः
1. गोविन्द : सिस्टेमेटिक पॉलिटिकल
2. साहिक : पॉलिटिकल इंट्रोड्यूशन : ए प्रीफेस

(स) पत्रिकाएँ
1. इंडियन जर्नल ऑफ पॉलिटिकल 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.

[Signature]

Registrar (Acting)

University of Rajasthan
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).
6. Dr. H.C. Sharma: Bharat Mein Rajya Prashasan.
7. सी.एच. दिंश के अन्य: राजस्थान में राज्य प्रशासन।

B. Reference Books:
1. D.P. Singh: Readings in Indian Administration.
2. S.L. Verma: Revenue Board in Rajasthan.
9. J.D. Shukla: State and District Administration in India.
10. B. Mehta: Dynamics of State Administration.

C. Journals:
1. Indian Journal of Public Administration (New Delhi).

पाठ्यपुस्तक:

द्वितीय प्रश्न पत्र: भारत में राज्य प्रशासन।

प्रथम खण्ड:
भारत में राज्य प्रशासन की वर्तमान स्थिति, राजस्थान के विशेष संकेत में, भारत में

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तैयार प्रशासन की सामग्री पृष्ठभूमि। राज्यपाल : कार्य, संबंधित तथा राज्य प्रशासन में भूमिका, मंत्रिपरिषद से संबंधित। मुख्यमंत्री: शाक्तियों, कार्य, भूमिका तथा इस पद का महत्व व मंत्रिपरिषद से संबंध।

राज्य संचालन का संगठन, राजस्थान में गृह, वित्त तथा कृषि-विभाग का संगठन तथा कार्यप्रणाली, मुख्य सचिव : राज्य प्रशासन में इसकी भूमिका तथा महत्व।

द्वितीय खण्ड

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

(अ) राजस्थान मण्डल
(ब) राजस्थान राज्य विषयत कम्पनियाँ
(स) कृषि निदेशालय
(द) शिक्षा निदेशालय

तृतीय खण्ड

सेवीवादध 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 अधिकारी न्यायाधीश बिला प्रशासन, बिला प्रशासन का संगठन, निदेशक—कार्य तथा पद स्थिति, बिला एवं अधिनियम सरोज राजस्थान प्रशासन; एस.डी.आई., तहसीलदार तथा पटवारी की भूमिका।

अनुसूचित पुस्तकें :

(अ) मुख्य पुस्तकें—
1. एस.एस.आर. गांधेस्वरी : इंडियन एडमिनिस्ट्रेशन
2. एस.एस. वेद : डिस्ट्रिक्ट एडमिनिस्ट्रेशन इन इंडिया
3. ए.वी. पालती : इंडियन कॉस्टल मूर्त्ति (हिंदी संस्करण भी)
4. ए.आर.सी. : वेस्ट ऑव एंड एस्ट एडमिनिस्ट्रेशन
5. प. जनरल एवं गुणा : उत्तर प्रदेश सरकार का संगठन
6. डा. एस.एस. शर्मा : भारत में राज्य प्रशासन
7. डा. श्री.एम. सिंह एवं एन्ड्रन : राजस्थान में राज्य प्रशासन
8. रेडियो के अग्रोज व गीता अट्लोय : राज्य प्रशासन
9. सुनिता कटारिया : राज्य प्रशासन

(ब) संदर्भ पुस्तकें :
1. डा.पी. बिहारी डायल इंडियन एडमिनिस्ट्रेशन
2. एस.एस. वर्मा : सेवन बोर्ड इन राजस्थान

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

(स) पत्रिकाएँ:

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

<table>
<thead>
<tr>
<th>Theory Paper I</th>
<th>Duration</th>
<th>M.M</th>
<th>Min. Pass Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>History of Indian Painting and Sculpture</td>
<td>3 hrs.</td>
<td>90</td>
<td>322</td>
</tr>
<tr>
<td>Practical Paper II</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Part A - Study from Bust (Portrait)</td>
<td>3 hrs.</td>
<td>45</td>
<td>322</td>
</tr>
<tr>
<td>Part B - Creative Portrait (Rendering)</td>
<td>3 hrs.</td>
<td>45</td>
<td></td>
</tr>
<tr>
<td>Submission of Practical Works</td>
<td></td>
<td>20</td>
<td>07</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>200</strong></td>
<td><strong>72</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Paper I: History of Indian Painting and Sculpture**

Note: The paper consists of two parts:
- **Part A**: Carries 50 marks and consists of 15 short type questions of 2 marks each.
- **Part B**: 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, Jogiara, Ajanta, Ibagh, Sigiriyia Caves Paintings,
- Pat and Apabhramsha Painting,
- Rajasthan School - Mewar, Kishangarh, Jaipur and Bundi style of painting,
- Pahari School - Basohli and Kangra style of Painting.

### Section B

- Company School
  - Raja Ravi Varma, Bengal School, Abindranath Tagore, Nandalal Bose
  - Other Indian Artists - Yaminii Roy, Rabindranath Tagore and Amrita Shergil

### Section C

- History of Indian Sculpture
  - Maurya Period - Ashoka Pillars, Yakshis of Didarganj and Yaksh
  - Murthi,
  - Sunga Period - Sanchi
  - Kushan Period, Gandhara and Mathura Sculpture,
  - Sculptures of Gupta Period,

### Books Recommended:

1. **Sage of Indian Sculpture**: K. M. Munshi
2. **Studies in Indian Art**: V. S. Agarwal
3. **Central Lalit Kala Akademi Publications on Artists**
4. **South Indian Bronzes**: Shri Ram Munshi
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. Saraswat
10. **Bhartiya Chitrakala**: Ravi Krishnhandas
11. **Bhartiya Murtikala**: Ravi Krishnhandas
12. **Kala Vilas** by Dr. R.A. Agarwal
13. **Bhartiya Chitrakala**: Vachaspati, Goriya
14. **Fundamental of Indian Arts**: S. Das Gupta
15. **Bhartiya Chitrakala ka Sanskriti Itihas**: J.C. Sharma
16. **Kala Aur Kalam**: G.K. Agarwal
17. **Adhamik Bhartiya Chitrakala ka Itihas**: G.K. Agarwal
18. **Bhartiya Chitrakala ka Itihas**: Anantibhai Bhadilal Verma
Paper - II Part-A : Study from Bust (Portrait)

Medium : Water On Colour
Duration : 3 hrs.
Size : ½ Imperial
Max. Marks : 45

Study from bust (Portrait Painting) showing broad masses of light and shade, clearly bringing out the modelling of the figure and draperies.

Part - B : Creative Portrait (Rendering)

Two Dimensional Creative Portrait should be rendered with emphasis on stylization colour scheme and textures etc.

Medium : Any Medium
Duration : 3 hrs.
Size : ½ Imperial
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 from bust study in pencil or charcoal.
(b) Five Plates from creative portrait in colour and three plates from 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, Khajuraho, 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 an 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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Scheme:

Min. Pass Marks 72

Max. Marks 200

Paper-I 3 hrs. duration Marks 100

Paper-II 3 hrs. duration Marks 100

Note: There shall be two papers in all, and each paper shall be of three hours duration and of 100 marks. Each paper shall consist of two parts 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.
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:
Jung, P.V. 1988. Scientific Social Surveys and Research
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 Amendment, Community Development Programme, Green Revolution and its Impact

Globalization & its impact on agriculture

ESSENTIAL READINGS:


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
Scheme of examination: two written papers of 75 marks 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
(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
The paper will be called:
Time 3Hrs
Use of Dictionary is allowed
French through texts
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)
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
3. Version Originale I - Workbook Vol; II
4. One Compact Disc Level-I to go with the method

Reference Books:
1. Synchronie-II
3. Collection « Progressive du Français »
4. Exercices communicatifs: Level - Intermediate
5. Vocabulaire progressif – Advance
SYLLABUS FOR THE SECOND YEAR B.A. IN GERMAN — EXAM 2016

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

(a) Grammar  
(b) Answer the questions based on TWO UNSEEN PASSAGES (15X2=30)  

PAPER II: WRITTEN EXPRESSION

Max marks 75  
Time 3 Hrs

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.

[Signature]

Registrar (Acad)
University of Rajasthan
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**

Recommended Books:
- Teste Dein deutsch -1
- Teste Dein Deutsch – 2
- 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
Examination Scheme

- 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

<table>
<thead>
<tr>
<th>Paper</th>
<th>Subjects</th>
<th>Duration of exam</th>
<th>Maximum marks</th>
<th>Minimum marks</th>
<th>No. of hrs/wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theory Paper III</td>
<td>Human Development</td>
<td>3hrs</td>
<td>50</td>
<td>18</td>
<td>3</td>
</tr>
<tr>
<td>Practical III</td>
<td>Human Development</td>
<td>3hrs</td>
<td>50</td>
<td>18</td>
<td>2</td>
</tr>
<tr>
<td>Theory Paper IV</td>
<td>Textiles and Clothing</td>
<td>3hrs</td>
<td>50</td>
<td>18</td>
<td>3</td>
</tr>
<tr>
<td>Practical IV</td>
<td>Textiles and Clothing</td>
<td>3hrs</td>
<td>50</td>
<td>18</td>
<td>2</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIT I</td>
</tr>
</tbody>
</table>
1. Definition and scope of Human Development as a field | 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

<table>
<thead>
<tr>
<th>Development from conception to adolescence:</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>5. Physical development 7</td>
<td></td>
</tr>
<tr>
<td>6. Motor development 8</td>
<td></td>
</tr>
<tr>
<td>7. Socio-emotional development 8</td>
<td></td>
</tr>
</tbody>
</table>

8. Language and cognitive development

UNIT III

| Importance and objectives of early childhood education; impact of deprivation and early stimulation | 7 |
| 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:


HUMAN DEVELOPMENT – PRACTICAL III

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

<table>
<thead>
<tr>
<th>Contents</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Anthropometric measurement of children from birth to 6 years. Plotting and interpretation of data as per WHO norms.</td>
<td>4</td>
</tr>
<tr>
<td>2. Interviewing mothers of young infants regarding breast feeding schedules, supplementary foods and weaning practices.</td>
<td>3</td>
</tr>
<tr>
<td>3. Organizing and conducting play and creative activities of children in a nursery school.</td>
<td>3</td>
</tr>
<tr>
<td>4. Preparation and conduction of various activities to enhance overall development of children: physical, motor, language, cognitive, social and emotional.</td>
<td>4</td>
</tr>
<tr>
<td>5. Focus group discussion with adolescents to understand their aspirations, educational and career choices.</td>
<td>3</td>
</tr>
<tr>
<td>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.</td>
<td>2</td>
</tr>
<tr>
<td>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.</td>
<td>3</td>
</tr>
<tr>
<td>8. Preparation of a scrap book on relevant issues of human development.</td>
<td>2</td>
</tr>
</tbody>
</table>

**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.
<table>
<thead>
<tr>
<th>Unit – I: Textile Study</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Fiber</strong></td>
<td><strong>10</strong></td>
</tr>
<tr>
<td>• Classification</td>
<td></td>
</tr>
<tr>
<td>• Properties and their importance to the consumer with special reference to the care.</td>
<td></td>
</tr>
<tr>
<td>• Natural Fibers</td>
<td></td>
</tr>
<tr>
<td>(a) Cotton</td>
<td></td>
</tr>
<tr>
<td>(b) Wool</td>
<td></td>
</tr>
<tr>
<td>(c) Silk</td>
<td></td>
</tr>
<tr>
<td>(d) Jute</td>
<td></td>
</tr>
<tr>
<td>• Manmade Fibers</td>
<td></td>
</tr>
<tr>
<td>(a) Polyester</td>
<td></td>
</tr>
<tr>
<td>(b) Polyamide</td>
<td></td>
</tr>
<tr>
<td>(c) Rayon</td>
<td></td>
</tr>
<tr>
<td><strong>2. Yarn</strong></td>
<td><strong>2</strong></td>
</tr>
<tr>
<td>• Simple Yarn</td>
<td></td>
</tr>
<tr>
<td>• Novelty yarn</td>
<td></td>
</tr>
<tr>
<td>• Textured yarn</td>
<td></td>
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<tr>
<td><strong>3. Fabric: Different construction methods:</strong></td>
<td><strong>8</strong></td>
</tr>
<tr>
<td>• Weaving</td>
<td></td>
</tr>
<tr>
<td>• Parts of loom</td>
<td></td>
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<tr>
<td>• Steps in weaving</td>
<td></td>
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<tr>
<td>• Types of weaves: Plain Twill Satin</td>
<td></td>
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<tr>
<td>• Knitting</td>
<td></td>
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<tr>
<td>• Felting</td>
<td></td>
</tr>
<tr>
<td>• Lacing</td>
<td></td>
</tr>
<tr>
<td>• Braiding</td>
<td></td>
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<tr>
<td><strong>4. Finishing</strong></td>
<td><strong>7</strong></td>
</tr>
<tr>
<td><strong>Basic Finishes</strong></td>
<td></td>
</tr>
<tr>
<td>• Bleaching</td>
<td></td>
</tr>
<tr>
<td>• Sizing</td>
<td></td>
</tr>
<tr>
<td>• Desizing</td>
<td></td>
</tr>
<tr>
<td>• Singeing</td>
<td></td>
</tr>
<tr>
<td>• Tentering</td>
<td></td>
</tr>
<tr>
<td><strong>Functional finishes</strong></td>
<td></td>
</tr>
<tr>
<td>• Wash and wear</td>
<td></td>
</tr>
</tbody>
</table>
• Mercerising
• Sanforizing
• 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

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

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

11. Labelling

• Textile fiber symbols
• Care labelling symbols
### Care and storage of
- Cotton
- Silk
- Wool

### Unit – III
#### Designing & Traditional Textiles


14. Principle of design – Proportion, Harmony, Balance and Emphasis

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

### References:

### 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**

<table>
<thead>
<tr>
<th>Contents</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Textiles</strong></td>
<td></td>
</tr>
<tr>
<td>Make a Scrap book of the following</td>
<td></td>
</tr>
<tr>
<td>1. Fiber samples</td>
<td>5</td>
</tr>
<tr>
<td>- Cotton fiber from - (Muslin, 2x2 Rubia, 2x1 poplin, Khadi)</td>
<td></td>
</tr>
<tr>
<td>- Silk fiber from -(Georgette, Chiffon, Crepe, Tussar, Mulberry,)</td>
<td></td>
</tr>
<tr>
<td>- Wool fiber from - Felt (wool)</td>
<td></td>
</tr>
<tr>
<td>- Jute fibre from Gunny Bags &amp; Ropes</td>
<td></td>
</tr>
<tr>
<td>- Nylon fibre from Plastic Cord</td>
<td></td>
</tr>
<tr>
<td>- Polyester fibre from Sewing Thread</td>
<td></td>
</tr>
<tr>
<td>- Rayon fibre from Artificial Silk Dupatta</td>
<td></td>
</tr>
<tr>
<td>2. Yarn: Ply, textured and metallic yarn</td>
<td></td>
</tr>
</tbody>
</table>
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  

**Examination scheme**  

<table>
<thead>
<tr>
<th>Total Marks: 50 marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Major problem – 25 marks</td>
</tr>
<tr>
<td>Construct any one garment</td>
</tr>
<tr>
<td>Drafting and cutting of a garment</td>
</tr>
<tr>
<td>Stitching and finishing of a garment</td>
</tr>
<tr>
<td>2. Minor Problem – 15 marks</td>
</tr>
<tr>
<td>Identification of textile yarn / fabrics</td>
</tr>
<tr>
<td>Tie and dye one sample using two colours and two different techniques / two samples of any clothing techniques</td>
</tr>
<tr>
<td>3. Internal -10 marks</td>
</tr>
</tbody>
</table>
SCHEME: B.A PART-II

<table>
<thead>
<tr>
<th>Duration</th>
<th>Max mark</th>
<th>Min mark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper-I</td>
<td>3Hrs</td>
<td>30</td>
</tr>
<tr>
<td>Paper-II</td>
<td>3Hrs</td>
<td>30</td>
</tr>
<tr>
<td>Paper-I</td>
<td>6Hrs</td>
<td>35</td>
</tr>
<tr>
<td>Paper-II</td>
<td>6Hrs</td>
<td>35</td>
</tr>
<tr>
<td>Paper-I</td>
<td></td>
<td>35</td>
</tr>
<tr>
<td>Paper-II</td>
<td></td>
<td>35</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Scheme</th>
<th>Min. Pass Marks</th>
<th>Max. Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper-I</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Paper-II</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Paper-III</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Practical</td>
<td>120</td>
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</tr>
<tr>
<td>Paper-I: Bio Chemistry and Systemic Bacteriology</td>
<td>Max. Marks 40</td>
<td></td>
</tr>
</tbody>
</table>

Section - A

Bio-Chemistry II

1. Blood sugar and its regulation
2. Chemical examination of urine
3. Glucose tolerance test
4. Diabetes emilitus, 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

Section - B

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

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

Serology:
1. Antigens and antibodies
2. Complement and fixation text
3. Agglutination
4. Precipitation
5. Flocculation
6. Neutralization
7. Immunofluorescence
Immune electrophoresis
9. Serology of Syphilis
10. Haem Agglutination and Haem Agglutination inhibition
11. Skin Tests

Section – B

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

Practical (75×3 periods) Max. Marks 120

Unit-I

Bio-Chemistry
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.
7. Anti-“D” Titresv in Maternal blood.
8. Coomb's Test.

B. Serology and Bacteriology:
1. Cleaning and sterilisation
2. Widal Test
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)
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 organisms.

C. Cytology and Histology:
1. Microscopy of urine and C.S.F.
2. Semen examination for sperms count and motility.
3. Demonstration of the paraffin embedding, sectioning for histopathology.
4. Hemotoxyline 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.

Practical - Bases on Theory syllabus - Max. marks 50
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 considered 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:

B.SC./B.A./B.COM. PART –II

PAPER-II

ELEMENTS OF MARKETING AND FINANCE

B.A./B.COM. –M.M 50

B.SC.-M.M. 60

HRS.-3

SECTION A

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
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)
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.
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 embroideries

iv) trims

v) paints and dyes

5. Introduction of fashion designing in fashion shows.

References:

1. Kallal Mary Jo, Construction.


3. Ireland Fashion Designing, Drawing and Presentation.

4. Renee Weiss Chase, CAD for fashion design.
MATHEMATICS


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

Examination:

<table>
<thead>
<tr>
<th>Scheme</th>
<th>Min. Pass Marks</th>
<th>Max. Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science – 54</td>
<td>150</td>
<td></td>
</tr>
<tr>
<td>Arts – 72</td>
<td>200</td>
<td></td>
</tr>
</tbody>
</table>

Paper – I
Real Analysis and Metric Space
3 hrs.
Max. Marks:
50 (Science)
66 (Arts)

Paper – II
Differential Equations
3 hrs.
Max. Marks:
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.

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

Asstt. Registrar (Acad.-I)
University of Rajasthan
Unit 2: First order but higher degree differential equations solvable for x, y and p. Clairaut's form and singular solutions with Extraneous Locli. Linear differential equations with constant coefficients, Complimentary function and Particular integral.


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.


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 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, Trapezoidal 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 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

<table>
<thead>
<tr>
<th>Scheme</th>
<th>Min. Pass Marks</th>
<th>Max. Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts</td>
<td>72</td>
<td>200</td>
</tr>
<tr>
<td>Science</td>
<td>54</td>
<td>150</td>
</tr>
</tbody>
</table>

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


Section-B


Section-C


Recommended Books:

5. Suraj B. Gupta: Monetary Economics, S. Chand and Co. Ltd.
B.A. Part-II Paper-II(a)

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


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:

2. S.P. Gupta, Statistical Methods, Sultan Chand and Sons, New Delhi.
B.A. Part-II Paper-II (b)

History of Economic Thought

Section-A


Section-B


Section-C


Recommended Books:

1. Louise Haney, History of Economic Thought, Surjit publication, New Delhi.
5. Eric Roll, History of Economic Thought, Faber and Faber (Rupa).
B.A./B.Sc. (Pass Course) Part-II Geography Examination

Scheme of Examination

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Min. Pass Marks</th>
<th>Max. Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts/Social Science</td>
<td>72</td>
<td>200</td>
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<tr>
<td>Science</td>
<td>54</td>
<td>150</td>
</tr>
<tr>
<td>Paper I</td>
<td>Resources Geography</td>
<td>Arts 75</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Science 50</td>
</tr>
<tr>
<td>Paper II</td>
<td>Human Geography</td>
<td>Arts 75</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Science 50</td>
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<tr>
<td>Practical</td>
<td>18</td>
<td>Arts 50</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Science 50</td>
</tr>
</tbody>
</table>

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.
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:

गुर्जर, आरको. 1986, जान, भी.श्री. 2013: संसाधन भूगोल। पंतवील प्रकाशन, जयपुर।
कौशिक, एस.डी. 2010: संसाधन भूगोल। रसोई प्रकाशन, मेरठ।
माथुर, भी. 1998: संसाधन भूगोल। रसोई प्रकाशन, मेरठ।

Paper II: Human Geography

Section A

Definition, aims and scope of human geography, relation of human geography with other social sciences, Principles of human geography, essential facts of human geography
according to Brunhes and Huntington, schools of man-environment relations: determinism possibilism and neo determinism.

Section B


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:


Practicals

Scheme of examination

<table>
<thead>
<tr>
<th>Written test</th>
<th>Bifurcation of Marks</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 survey and viva voce</td>
<td>24</td>
<td>3 hrs.</td>
</tr>
<tr>
<td>10+04</td>
<td>08+04</td>
<td>2½ hrs.</td>
</tr>
</tbody>
</table>
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, choroocratic 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:

Samal, J. P. 2011: प्रायोगिक ग्यारह, पुस्तक भवन, अल्हाबाद.
## 23. Statistics

### Marks Scheme

<table>
<thead>
<tr>
<th>Paper</th>
<th>Nomenclature</th>
<th>Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper I</td>
<td>Statistical Inference</td>
<td>Science 50, Arts 65</td>
</tr>
<tr>
<td>Paper II</td>
<td>Statistical Applications in Society and Industry</td>
<td>50, 65</td>
</tr>
<tr>
<td>Paper III</td>
<td>Practical based only</td>
<td>70</td>
</tr>
</tbody>
</table>

**Total**: 150, 200

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**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-1**

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

---

Asst. Registrar (Acad.)
University of Rajasthan
JAIPUR
Testing Normal Population variance, Test for Goodness of fit; Contingency table & Independence of attributes, yate's correction. 18 hours

Unit-II

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

Unit-III

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

Unit-IV

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

Unit-V

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

REFERENCES


ADDITIONAL REFERENCES:

Subject: Statistics Paper II

(SATISTICAL APPLICATIONS IN SOCIETY AND INDUSTRY)

(Also Common with Subject: Applied Statistics)

Unit-I


18 hours

Unit-II

Economic Statistics: Index numbers-Definition, 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 different components, illus-
trations, additive and multiplicative models. Different Methods for
determination of trend & seasonal fluctuation along with their merits
& demerits. 18 hours

Unit-IV

Educational Statistics: Methods of standardization of scales and
tests. Z-scores, t-scores. Standard scores. Perventile score, Intelli-
genence Quotient and its measurement and use. 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 at-
tributes: Construction of np-chart, p-chart, c-chart and their merits
and demerits. 18 hours

REFERENCES:
Prentice Hall of India.
Taraporewala and Sons.
5. Guilford J.P. & Fruchter B.: Fundamental Statistics in Psychology
ing.
Sultan Chand and Sons, New Delhi.

ADDITIONAL REFERENCES:
Publishing Co.
Agency.
University of Rajasthan

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)
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.
<table>
<thead>
<tr>
<th>Paper</th>
<th>Nomenclature</th>
<th>Marks</th>
<th>No. of hours per week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper I</td>
<td>Statistical Inference</td>
<td>50 mark</td>
<td>3 hours</td>
</tr>
<tr>
<td>Paper II</td>
<td>Statistical Applications in Society and Industry</td>
<td>50 mark</td>
<td>3 hours</td>
</tr>
<tr>
<td>Paper III</td>
<td>Practical based on Paper I, II</td>
<td>50 mark</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>70 marks</td>
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<td></td>
<td>Total</td>
<td>150</td>
<td>200</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 hours</td>
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</tr>
</tbody>
</table>

**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**

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

Unit-II


18 hours

Unit-III


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:
University of Rajasthan

ADDITIONAL REFERENCES:

Subject: Applied Statistics

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

Paper III
PAPER III
Practical Paper
Courses contents are same as that of subject statistics.
Scheme of Examination:

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Max. Marks</th>
<th>Min. Passing Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts</td>
<td>200</td>
<td>72 (Th.34 Pr.18)</td>
</tr>
<tr>
<td>Science</td>
<td>150</td>
<td>54 (Th.36 Pr.18)</td>
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</table>

<table>
<thead>
<tr>
<th>Paper</th>
<th>Nomenclature</th>
<th>Duration</th>
<th>Max. Marks</th>
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<tbody>
<tr>
<td>I</td>
<td>Psychopathology</td>
<td>3 Hrs.</td>
<td>75</td>
</tr>
<tr>
<td>II</td>
<td>Psychological Statistics</td>
<td>3 Hrs.</td>
<td>75</td>
</tr>
<tr>
<td>III</td>
<td>Practicals</td>
<td>3 Hrs.</td>
<td>50</td>
</tr>
</tbody>
</table>

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

**ARTS**

<table>
<thead>
<tr>
<th>Section</th>
<th>No. of Questions</th>
<th>Marks</th>
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</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>10</td>
<td>1.5</td>
<td>15</td>
</tr>
<tr>
<td>B</td>
<td>5 (Out of 7)</td>
<td>03</td>
<td>15</td>
</tr>
<tr>
<td>C</td>
<td>3 (with internal choice)</td>
<td>15</td>
<td>45</td>
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<tr>
<td><strong>Total Marks</strong></td>
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<td><strong>75</strong></td>
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**SCIENCE**

<table>
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<tr>
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<th>No. of Questions</th>
<th>Marks</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>10</td>
<td>01</td>
<td>10</td>
</tr>
<tr>
<td>B</td>
<td>5 (Out of 7)</td>
<td>02</td>
<td>10</td>
</tr>
<tr>
<td>C</td>
<td>3 (with internal choice)</td>
<td>10</td>
<td>30</td>
</tr>
<tr>
<td><strong>Total Marks</strong></td>
<td></td>
<td><strong>50</strong></td>
<td></td>
</tr>
</tbody>
</table>

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

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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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Asst. Registrar (Acad I)  
University of Pennsylvania
Section-B


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


9. Mental Health: Meaning and Components; Factors Influencing Mental Health, Measures for Promoting Mental Health.

Books Recommended:


- अरुण कुमार सिंह (2002) आधुनिक असामान्य मनोविज्ञान, दिल्ली, मोतीलाल बनारसीदास।
Psychological Statistics

Section-A


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, $2 \times 2$ Contingency Table; Median Tests.

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


[Signature]

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Books Recommended:

- कपिल एच.के.: सांख्यिकी के मूलतत्त्व, आगरा, विद्याद्धुक्तकारण

Paper-III:

Practicals

1. Assessment of Mental Health.
2. Assessment of State and Trait Anxiety.
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

इस परीक्षा में दो प्रश्न प्रकाश होंगे। प्रथम मध्यकालीन राजस्थानी गद्ध, द्वितीय मध्यकालीन राजस्थानी काव्य।

क्षमा श्रवण 72
न्यूनतम उत्तरीणूक 72

अधिकतम अंक 200
प्रथम प्रश्न पत्र
सम्पूर्ण 3 घंटे
अधिकतम 100
हितीय प्रश्न पत्र
सम्पूर्ण 3 घंटे
अधिकतम 100
प्रथम प्रश्न पत्र : मध्यकालीन रत्नस्वामी गद्य
(क) एक प्रश्न व्याख्या से संबंधित। प्रत्येक पुस्तक से एक (तीन व्याख्याएँ)
3×12=36
(ख) तीन पुस्तकों पर एक-एक आलोचनात्मक प्रश्न (कुल तीन प्रश्न)
3×16=48
(ग) एक प्रश्न—मध्यकालीन गद्य विधायों और साहित्य पर।
1×16=16
पादेश पुस्तकें :
1. राजस्थानी नाट तंत्र, समयावधि मनोहर शर्मा, साहित्य अकादमी, राजविजय 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 उमरवांग री बाता, संपादक—सीमामा तिह शेखवात।

संदर्भ प्रंबंध :
1. राजस्थानी साहित्य की गौरवपूर्ण परम्परा—अमरचंद नाहटा, राजाकृति प्रकाशित, दिल्ली।
2. राजस्थानी नाट साहित्य : डॉ. मनोहर शर्मा, राजस्थानी शोध संस्थान, चौपासनी, जोधपुर।
3. राजस्थान नाट साहित्य : डॉ. पूनम दवस्या, राजस्थानी भाषा, साहित्य एवं संस्कृति अकादमी, बीकानेर।
4. राजस्थानी गद्य—उद्धव और विकास—डॉ. अचल, सार्वजनिक राजस्थानी रिसर्च इन्स्टीट्यूट, बीकानेर।

हितीय प्रश्न—पत्र : मध्यकालीन रत्नस्वामी काव्य
इस प्रश्न पत्र में पाँच प्रश्न होंगे।
(क) प्रत्येक पुस्तक से एक-एक व्याख्या (कुल तीन व्याख्याएँ)
3×12=36
(ख) प्रत्येक पुस्तक पर एक-एक आलोचनात्मक प्रश्न (कुल तीन प्रश्न)
3×16=48
(ग) मध्यकालीन राजस्थानी काव्य विधायों और साहित्य पर एक प्रश्न
1×16=16
पादेश पुस्तकें :
1. हालांकि पत्रां री कुलविलयों—संपादक डॉ. मोतीलाल मेनारिया, राजस्थानी ग्रंथसंग्रह;
B.A. Part-II

Min. Pass Marks = 72
Paper-I
Max. Marks = 200
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 at least one question from each section.

Paper-I Introduction to Physical Anthropology

UNIT-I


UNIT-II

Human evolution: Lamarckism, Darwinism.

Human genetics: Mendelian Principles.

UNIT-III

List of Books:


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.
B.A. Part-II (Drama) Examination 2007
(Revised Syllabus)
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. Unubhangam
      3. Abhigyan Shakuntalam
   b. Parsi plays
      1. Yahudi Ki Ladki-Aga Hashra Kashmiri
      2. Veer Abhimanyu—Radhey Shyam Kathavachal
University of Rajasthan

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 Eevam Vikas—Dashrath Ojha
6. Natya Samikha—Dashrath Ojha
7. All the plays prescribed in Ch. IV.
COMPUTER APPLICATION
(Comman for B.A./B.Com./B.Sc.)

Science Com./Arts
Paper I: Data Base Management System 50 65
Structured Programming and Computer Graphics

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 databases management system. Why to use them
and where. Data Description Language. Data Manipulation Lan-
guage 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 ORA-
CLE/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.

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


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.


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.
3D 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, terminology 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 :
8. देशाधिक्य सुत्र: मानन क्रिया विज्ञान: हनुमान व्यायाम मण्डल, अभसली।
9. सिह दी.के.: शरीर स्थान एवं शरीर क्रिया विज्ञान: दीपक प्रकाशन, जोधपुर।
10. आर्यबुद्धि व जैविक विज्ञान: नरी के लिए शरीर समन्वय ज्ञान: एट.आर. ब्रदर्स, इंदौर।
11. कंजर क्या चन्द: शरीर क्रिया विज्ञान व स्वास्थ्य शिक्षा: अमित ब्रह्म, नागपुर।
12. ध्यानी ची.एस.: शरीर क्रिया विज्ञानीया: वैज्ञानिक ओपेक्टप्ट, खालीगाह।
13. पापड़े के. और कर्म शी.: शरीर क्रिया विज्ञान, हिंदी मा.का: निवेशालय, दिल्ली।
14. अजमेर सिह और अम्बा: शरीरिक शिक्षा स्वास्थ्य एवं खेलों की आधुनिक प्रदर्शन

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.

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 Demerits 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:

6. कब्र अर.सी.: शारीरिक शिक्षा संगठन एवं प्रशासन, अभिनव ढरासं, नगपुर।
7. अशोका पी.के.: शारीरिक शिक्षा में संगठन, संचालन एवं मनोरंजन, प्रकाश ब्रदर्स, लुधियाना।
8. करंसकर ए.के. और श्रीवस्तव ए.के.: शारीरिक शिक्षा संगठन; प्रशासन, परिप्रेक्ष्य एवं विद्या, सुरक्षा प्रकाशन, अगरवाल।
9. गोपीनाथ चौहान और शारीरिक ए.के.: शारीरिक शिक्षा में शिक्षण विद्याओं: इंडियान रेस्वर साइंस, लखनऊ।
10. पाण्डेय लक्ष्मीकांत: शारीरिक शिक्षा की पद्धति, मेट्रोपोलिटन बुक कंपनी, नई दिल्ली।
11. राय राजेन्द्र प्रसाद: शारीरिक शिक्षा का संगठन व विधियाँ: श्रीमान रामलाल, नगपुर।
12. श्रीदास ए.के.: शारीरिक शिक्षा और खेल में संगठन व परिप्रेक्ष्य, दिल्ली।
13. अशोक सिंह और अन्य: शारीरिक शिक्षा स्वास्थ्य एवं खेलों की आधुनिक पाठ्यपुस्तक (भाग-1, II, III): कल्याणी प्रकाशन, लुधियाना।
14. सिद्धि: अशोक विनायक: शारीरिक शिक्षा और खेल, मनोरंजन एवं इतिहास: श्रीमान प्रकाशन, नगपुर।
Syllabus B.A. Part-II

Practical Max. Marks 80 Min. Pass Marks 28

The practical examination shall be conducted by a panel of two examiners. A candidate shall be required to show his/her familiarity (Rules & Techniques) and give performance/demonstration in the following:

1. Athletics (Compulsory) 40 Marks
   Triple-Jump, Pole Vault, Javelin, Hammer and Walking.

2. Any one game of candidates choice from the following:
   40 Marks
   (a) Cricket (b) Hockey (c) Kho-kho (d) Yoga

Asstt. Registrar (Acad-I)
University of Rajasthan
JAIPUR
31. INDIAN HERITAGE IN RURAL HANDICRAFTS

<table>
<thead>
<tr>
<th>Scheme</th>
<th>Max. Marks</th>
<th>Min. Pass Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Theory: One Paper 3 hrs.</td>
<td>60</td>
<td>22</td>
</tr>
<tr>
<td>2. Practical</td>
<td>80</td>
<td>28</td>
</tr>
<tr>
<td>3. Submission</td>
<td>60</td>
<td>22</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>200</strong></td>
<td><strong>72</strong></td>
</tr>
</tbody>
</table>

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.

   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)**

**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**
University of Rajasthan

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.