UNIVERSITY OF RAJASTHAN
JAIPUR
SYLLABUS
B.A. Part-I
EXAMINATIONS - 2017
CONTENTS

SCHEME OF EXAMINATION & DISTRIBUTION OF MARKS

SYLLABUS:

Compulsory Subjects (Four):
1. सामान्य हिंदी (General Hindi)
2. General English (Essential Language Skills)
3. Environmental Studies
4. Elementary Computer Applications
5. प्रारंभिक हिंदी (Elementary Hindi) (in Lieu of Gen. Hindi)

Optional Subjects (Any Three):
1. English Literature
2. Hindi Sahitya
3. Urdu
4. Persian
5. Arabic
6. Sanskrit
7. Philosophy
8. History
9. Political Science
10. Indian Music
11. Public Administration
12. Drawing & Painting
13. Sociology
14. French
15. German
16. Home Science
17. Textile Craft
18. Garment Production & Export Management
19. Investigative Bio-Technology
20. Mathematics
21. Economics
22. Geography
23. Statistics
25. Psychology
26. Rajasthani
27. Sheep and Wool
28. Live Stock and Dairying
29. Anthropology
30. Dramatics
31. Physical Education
32. Indian Heritage in Rural Handicrafts
33. Computer Application

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### DISTRIBUTION OF MARKS

<table>
<thead>
<tr>
<th>Sr. 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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<td>Paper II</td>
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<td>Practical I 3 hrs } 18</td>
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Dy. Registrar (Acad.)
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<td>3 hrs.</td>
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2. Common papers in the subjects of Statistics, 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 as mentioned in the booklet of syllabus.
नोट : 36 से कम अंक अने पर छात्र का उत्तर नहीं किया जायेगा। इस प्रश्न-पत्र में प्रश्न अंकों को श्रेणी निर्धारण हेतु नहीं जोड़ा जायेगा।

अंक विभाजन – प्रश्न पत्र में दो भाग होंगे – 1. साहित्य खण्ड एवं 2. व्याकरण खण्ड। साहित्य खण्ड में दो भाग होंगे– गद्ध भाग एवं पद्ध भाग। प्रत्येक भाग के लिए 25 अंक निर्धारित हैं।

50 अंक
क दो व्याख्या पद्ध से (प्रत्येक में विकल्प देना है) 5 x 2 = 10 अंक
ख दो व्याख्या गद्ध से (प्रत्येक में विकल्प देना है) 5 x 2 = 10 अंक
g आलोचनात्मक प्रश्न पद्ध से (विकल्प देना है) 7½ x 2 = 15 अंक
d आलोचनात्मक प्रश्न गद्ध से (विकल्प देना है) 7½ x 2 = 15 अंक

90 अंक
व्याकरण / व्याकरणिक हिंदी खण्ड
i. निबंध लेखन – राशि सीमा 300 राशि 8 अंक
ii. कार्यान्वित लेख – शास्त्रीय-अर्थशास्त्रीय पत्र, परिपत्र, अधिसूचना, कार्यालय ज्ञापन, विज्ञापन, कार्यालय आदेश 4 x 2 = 8 अंक
iii. संख्याएँ (विकल्प देना है) 5 अंक
iv. पत्रलेखन (विकल्प देना है) 4 अंक
v. शब्द निर्माण की प्रतिविच्छेद – उपसर्ग, प्रत्यय, संधि, समास 5 अंक
vi. वाक्य शुद्धि / शब्द शुद्धि 5 अंक
vii. मुहावरे 5 अंक
viii. परिभाषात्मक शब्दावली 5 अंक
ix. व्याकरणिक कोटियाँ – संज्ञा, सर्वनाम, विशेषण, क्रिया, क्रिया विशेषण 5 अंक

साहित्य खण्ड : गद्ध-पद्ध की निर्धारित स्थानां
गद्ध भाग – निम्नलिखित पाठ निर्धारित हैं –

1. कहानी : बड़े घर की बेटी (प्रेमचंद)
2. सामूहिक : प्रणाम (महादेवी वर्मी)
3. रेखाचित्र : बाईस वर्ष बाद (बनाप्रसाद चलुव्रेदी)
4. विज्ञान : शानि सबसे सुन्दर ग्रह (गुप्ताकर मुखे)
5. निबंध : गोपुरां और गुलाब (समस्त बेनीपुरी)
6. निबंध : सुखे वेदरों का गुरौं (मणिमुखकर)
7. निबंध : मजदूरी और प्रेम (सरदार पुन्ह सिद्ध)
8. निबंध : राजस्थान की सांस्कृतिक धरोहर (अगरबंद नाहटा)
9. निबंध : राज्य का स्वरूप (बासुदेव शरण अग्रवाल)
10. व्याचरण : हिंदुस्तान आगत (हरिशंकर परसाई)

पद्ध भाग –

1. कविता– 1. मन रे जामल सहिये भाई
          2. हमारे सम रहिम करीमा वेचे, अलह राम सति सोई।
          3. काजी कौन कलेख कलानें।
          4. मन रे हरि हरि, हरि हरि हरि हरि भजे भाई।
          5. है मन मजदूर की प्रेम
sândh : कविता ग्रंथवाली – व्याकरणसुदरदास

2. सूरदास र. किलकल काने पहुंची आपत
          2. मुरली तक गोपालहीं भावत
          3. देखि माई सुन्दरता को सारग

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3. तुलसीदास
1. कबँड़ेक अंब अवसर पाई
2. अबलै नसानी अब न नसाहिं
3. मोहि मूढ्र मन बहत्व वियोगी
4. ऐसी को उदार जग माही
5. मन पछिनेह अवसर दीते
संदर्भ: बिनय पत्तिका, गीता प्रेस गोरखपुर

4. रहीम
पद
1. छवि भावन मोहनलाल की
2. कमल दल नैनिन की उनमानि
दोहा
1. प्रीतम छवि नैनि बसी
2. बसि कुस्रंग चाहत कुसळ
3. रहमन असुआ नैन झिर
4. रहमन आँछ नरन सी बेई मली ना प्रीति
5. रहमन निज मन की बिधा
6. काज परे कचू और है
7. खंट खुन खोंसी, खुसरी बेई प्रीति मदापन
8. दादूर बीर किसान मन लगये रहे घन मनि
9. पावस देखि रहीम मन केंद्रल साहेब गीत
10. रहमन बिगरे आदि को बने न खरचे दाम।
संदर्भ: रहीम प्रथमवली, विद्यानिवास मिश्र

5. पदमाकर
कविता
1. कृलन में केलिन में काहरन में कुनज में
2. और मैति कुजन में गुजरित भीर भीर
3. पाल बिनू कैने ऐसी मैति गुन केलिन के
4. चिते चिते चारो और चीके चीके परे लघों
5. या अनुशास की लखाँ जाहें..........  
6. काग के भीर अमीर में मैहि मोबिल से गई भीतर गोली

6. मैथिलीरारण गुरुत
साकेत — अटमसर्ग से
केलिन का अनुताप
तदन्तर बैठी समा उत्तर के आगे ...............
सी बार धन्य वह एक जान की माई।

7. प्रसाद: कामणया, श्रद्धासर्ग — कहा आग्नेयक ने सस्नेह विजयिनी मानवता हो जाय।
8. पंक्ति: 1. प्रथम रशि छन्द 1—13
2. भारत माला
9. निराला: 1. भारती जग विजय करे
2. बादल संग — 1
3. दलित जन पर करी करुणा
4. फिर ना घन घायरे।
10. सामार्थर सिंह दिनकर — रशिमधु—कांटीय सर्ग — आरक्षिक अंश
सच है विभिन्ति जब आती है ...... कह कर सकती विनयमी है।

Dy. Registrar (Acad.)
University of Rajasthan
2. GENERAL ENGLISH

Duration: 3 hrs.                                Max. Marks: 100

Minimum Pass Marks: 36

The syllabus aims at achieving the following objectives:

1. Introducing students to phonetics and enabling them to consult
dictionaries for correct pronunciation (sounds and word stress)
2. Reinforcing selected components of grammar and usage
3. Strengthening comprehension of poetry, prose and short-stories
4. Strengthening compositional skills in English for paragraph
   writing, CVs and job applications.

The Pattern of the Question Paper will be as follows:

Unit A: Phonetics and Translation               (20 marks)
(10 periods)

I Transcription of Phonetic Symbols              (05)
II Word Stress                                    (05)
III Translation of 5 sentences from Hindi to English (05)
IV Translation of 10 Words from Hindi to English (05)

Unit B: Grammar and Usage                        (20 marks)
(10 periods)

I Transformation of Sentences                    (05)
   a. Direct and Indirect Narration
   b. Active and Passive Voice
c. Interchange of Degrees of Comparison

II Modals (05)
III Sequence of Tenses (05)
IV Punctuation of a Short Passage with 10 Punctuation Marks (05)

Unit C: Comprehension (30 marks)
(25 periods)

Following Essays and Stories in Essential Language Skills revised edition compiled by Macmillan for University of Rajasthan General English B. A./B. Com./B. Sc.

William Blake
Sujata Bhatt
Ruskin Bond
M.K. Gandhi
J.L. Nehru
A.P.J. Abdul Kalam
The Little Black Boy
Voice of the Unwanted Girl
Night Train for Deoli
The Birth of Khadi
A Tryst with Destiny
Vision for 2020

Five questions to be answered out of eight questions Two marks each based on 6 units of the prescribed texts

Five questions of 3 marks each to be answered from the given passage: 15 marks
1 Vocabulary question from the given passage (at least 10 words): 5 Marks

Dy. Registrar (Acad.)
University of Rajasthan
Unit D: Compositional Skills (30 marks)

(15 periods)

I Letters-Formal and Informal (10)
II CVs and Job Applications (10)
III Paragraph Writing (10)

Recommended Reading:

4. Judith Leigh. CVs and Job Applications. OUP. 2004
3. COMPULSORY PAPER OF ENVIRONMENTAL STUDIES

Compulsory in 1 Year for all streams at undergraduate level

Scheme of examination

<table>
<thead>
<tr>
<th>Time</th>
<th>Min Marks</th>
<th>Max. Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 hrs</td>
<td>36</td>
<td>100</td>
</tr>
</tbody>
</table>

This paper will contain 100 multiple choice questions. Each question will carry 1 mark.

Students should be encouraged to visit places of Environmental Importance including Natural and Manmade Habitat.

Note:
1. The marks secured in this paper shall not be counted in awarding the division to a candidate.
2. The candidates will have to clear this compulsory paper in three chances.
3. Non-appearing or absence in the examination of compulsory paper will be counted as a chance.

Unit 1: The Multidisciplinary nature of environmental studies

Definition, scope and importance: Relationship between Environmental Studies and other branches of science and social sciences.

Need for Environmental awareness, Environmental education in present day context.

Unit 2: Natural Resources and Challenges

a. Natural resources and associated problems. Classification of resources: renewable resources, non-renewable resources, classes of earth resources, resources regions. Definition and criteria, resource conservation.

b. Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forest and tribal people.

c. Water resources: Use and over-utilization of surface and groundwater, floods, drought conflicts over water, dams-benefits and problems.

d. Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.
e. Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticides problems, water logging, salinity, case studies.

f. Energy resources: Growing energy need, renewable and nonrenewable energy sources, use of alternate energy sources. Case studies.

g. Land resources: Land as a resource, Land degradation man induced Landslides, soil erosion and desertification.
   - Role of an individual in conservation of natural resources.
   - Equitable use of resources for sustainable lifestyles.

Unit 3: Ecosystems, Concepts, Structure, Functions and Types
   - Concept of an ecosystem
   - Structure and function of an ecosystem
   - Producers, consumers and decomposers
   - Energy flow in the ecosystem
   - Ecological succession
   - Food chains, food webs and ecological pyramids
   - Introduction, types characteristics features, structure and function of the following ecosystem:
     a. Forest ecosystem, Tropical Temperate and Alpine Ecosystem
     b. Grassland ecosystem and Their Types
     c. Desert ecosystem with emphasis on Thar Desert
     d. Aquatic ecosystems(ponds, streams, lakes, rivers, oceans, estuaries) and Wet Lands

Unit 4: Biodiversity and its conservation
   - Introduction –Definition, genetic, species and ecosystem diversity
   - Biogeographically classification of India
   - Value of biodiversity :consumptive use, productive use, social ethical, aesthetic and option values
   - Biodiversity at global, National and local level
   - India as a mega-diversity nation
   - Hot-sport of biodiversity
   - Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts
   - Endangered, Threatened and endemic species of India
   - Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity
   - Red Data Book
Unit 5: Environmental Pollution and Control Measures

Definition
- Causes, effects and control measures of:
  a) Air Pollution
  b) Water Pollution
  c) Soil Pollution
  d) Marine Pollution
  e) Noise Pollution
  f) Thermal Pollution
  g) Nuclear Hazards
- Solid waste management: Causes, effects and control measures of urban and industrial wastes
- Role of an individual in prevention of pollution
- Pollution case studies
- Disaster management: floods, earthquake, cyclone and landslides

Unit 6: Social Issues, Environment, Laws and Sustainability

- From Unsustainable to Sustainable development
- Urban problems related to energy
- Water conservation, rain water harvesting, watershed management
- Resettlement and rehabilitation of people; its problems and concerns. Case studies
- Environmental ethics: Issues and possible solution.
- Climate change, global warming, acid rain ozone layer depletion, nuclear accidents and holocaust. Case studies
- Wasteland reclamation.
- Consumerism and waste product.
- Environmental Protection Act.
- Air (Prevention and Control of Pollution) Act
- Wild life protection Act
- Forest Conservation Act
- Biological Diversity Act
- Issues involved in enforcement of environmental legislation
- Public Awareness

Unit 7: Human Population and the Environment

- Population growth, variation among nations
- Population explosion-Family Welfare Programme
- Environment and Human health
- Human Rights
- Value Education
- HIV/AIDS
- Women and Child Welfare
- Role of Information Technology in Environment and human health
- Case Studies
Suggested Readings:-

5. Goudie,Andrew. The Human Impact.
Syllabus of Elementary Computer Applications

Work load: Teaching 2 hours per week
Practical 2 hours per week

Max Marks: 100 (Main University Exam: Theory - 60 Marks, Practical - 40 Marks)

Each candidate has to pass in Theory and Practical Examinations separately.

Main University Examination: Question pattern for Theory Paper

Max Marks: 60

Part - I (very short answer) consists of 10 questions of one marks each with two questions from each unit. Maximum limit for each question is up to 20 words.

Part - II (short answer) consists of 5 questions of two marks each with one question from each unit. Maximum limit for each question is up to 40 words.

Part - III (Long answer) consists of 5 questions of eight marks each with one question from each unit with internal choice. Maximum limit for each question is up to 400 words.

Unit - I

Introduction to Information Technology, evolution and generation of computers, type of computers, micro, mini, mainframe and super computer. Architecture of a computer system: CPU, ALU, Memory (RAM, ROM families) cache memory, input/output devices, pointing devices.

Concept of Operating system, need types of operating systems, batch, single user, multi-processing, distributed and timeshared operating systems, Introduction to Unix, Linux, Windows, Windows NT. Programming languages - Low level and high level languages, generation of languages, 3 GL and 4 GL languages, Graphic User Interfaces.

Unit - II

Word Processing Tool - Introduction, Creating, Saving, Copy, Move and Delete, Checking Spelling and Grammar, Page Layout, Interface, toolbars, ruler, menus, keyboard shortcut, editing, Text Formatting, insert headers and footers, Bullets and Numbering, Find and Replace etc., Insert Table and Picture, Macro, Mail Merge.

Power Point: Creating and viewing a presentation, managing Slide Shows, navigating through a presentation, using hyperlinks, advanced navigation with action setting and action buttons, organizing formats with Master Slides, applying and modifying designs, adding graphics, multimedia and special effects.

Unit - III

Electronic Spreadsheet - Worksheet poses. Create, save and open a worksheet, Entering data text, numbers and formula in a worksheet, Inserting and deleting cells, cell formatting, inserting rows and columns in a worksheet, formatting worksheets, Using various formulae and inbuilt functions, Update worksheets using special tools like spell check and auto correct. Setup the page.
and margins of worksheets for printing. Format the data in the worksheet globally or selectively, creating charts. Enhance worksheets using charts, multiple worksheets-concepts.

Unit - IV

The Internet - History and Functions of the Internet, Working with Internet, Web Browsers, World Wide Web, Uniform Resource Locator and Domain Names, Uses of Internet, Search for Information, Email, Chatting, Instant messenger services, News, Group, Teleconferencing, Video-Conferencing, E-Commerce and M-Commerce.

Manage an E-mail Account, E-mail Address, configure E-mail Account, log to an E-mail, Receive E-mail, Sending mails, sending files an attachments and Address Book, Downloading Files, online form filling, E-Services - E-Banking and E-Learning.

Unit - V

Social, Ethical and Legal Matters - Effects on the way we Work Socialise, Operate in other areas, Cyber crime, Prevention of crime, Cyber law: Indian IT Act, Intellectual property, Software piracy, Copyright and Patent, Software licensing, Proprietary software, Free and Open source software.

Network Security - Risk assessment and security measures, Assets and types (data, applications, system and network), Security threats and attacks (passive, active); types and effects (e.g. Identity theft, denial of services, computer virus etc.), Security issues and security measures (Firewalls, encryption/decryption). Prevention.

Question Paper pattern for Main University Practical Examination

Max Marks: 40

Practical

The practical exercises will be designed to help in the understanding of concepts of computer and the utilization in the areas outlined in the theory syllabus. The emphasis should be on practical usage rather than on theoretical concepts only.

The practical examination scheme should be as follows

- Three Practical Exercise (including Attendance & Record performance) 30 marks
  - Operating system
  - MS Word
  - MS Excel
  - MS Power Point
  - Internet
- Viva-voce 10 marks

Dy. Registrar (Acad.)
पूर्णक : 100

अध्याय का विभाजन
1. पुस्तकों पर आधारित प्रश्न
2. व्याकरण से संबंधित प्रश्न
3. रचना से संबंधित प्रश्न
   (क) लोकोक्तियाँ मुहावरे
   (ख) पत्र लेखन अथवा निकंद्र

पाठ्यक्रम
1. गद्य संग्रह
2. व्याकरण : शब्द विचार, वाक्य विचार, वाक्य खण्ड, पद क्रम का ज्ञान तथा इनमें होने वाली सामान्य त्रुटियों का ज्ञान।
3. (क) मुहावरों एवं लोकोक्तियों का प्रयोग, वाक्यों में रिक्त स्थानों की पूर्ति, समान दिखाने वाले शब्दों का अर्थ भेद अथवा वाक्यों में प्रयोग
   (ख) पत्र लेखन अथवा निकंद्र

पाठ्य पुस्तकें
1. गद्य—साहित्य—राष्ट्रीय गौरव के बिन्ह— औ. हरिकृष्ण देवसरे
   प्रकाशक—नेशनल पब्लिशिंग हाउस, नई दिल्ली

व्याकरण एवं रचना
1. आधुनिक हिन्दी व्याकरण तथा रचना — लेखक कृष्ण विकल
   प्रकाशक—नेशनल पब्लिशिंग हाउस, नई दिल्ली
2. सुबोध व्याकरण एवं रचना—सम्पादक—व्यक्ति इद्य—संशोधक—प्रो. अम्बा प्रसाद सुमन
   प्रकाशक — श्रीसाम मेहरा एण्ड कम्पनी, आगरा

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR
1. ENGLISH LITERATURE

The Syllabus aims at achieving the following objectives:

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

Paper I: Poetry and Drama

Maximum Marks: 10

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 from Strings of Gold Part I Ed. Jasbir Jain (Macmillan)

W. Shakespeare:
   Shall I Compare Thee
   Not Marble, nor the Guided Monuments
   The Marriage of the True Minds

J. Donne: Goe and Catche a Falling Starre
R. Herrick: To Daffodils
J. Herbert: Virtue

J. Milton:
   On His Blindness
   On His Twenty Third Birthday

J. Dryden: A Song for St. Cecilia’s Day

SECTION B

The following poems compiled by Macmillan for the University of Rajasthan.

Kabir
   It is Needless to Ask a Saint the Caste to which he belongs.

Rabindra Nath Tagore
   Where The Mind is Without Fear

Toru Dutt
   The Lotus
   Our Casuarina Tree
Sarojini Naidu
Indian Weavers
Song of Radha, the Milkmaid

SECTION C

W. Shakespeare: Merchant of Venice

Recommended Reading:
Hudson: History of English Literature

Paper II: Prose and Fiction

Maximum Marks: 100

Duration: 3 hrs

Question No. 1: References to Context from unit A & B 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

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR
The following Essays from *English Prose Selections* (O.U.P.) ed. Dr. S.S. Deo et al.

- J.H. Newman: A Gentleman
- R.L. Stevenson: El Dorado
- B. Russell: Machine and Emotions
- M.K. Gandhi: Fearlessness
- S. Radhakrishnan: Democracy
- H. Belloc: On Educational Reform
- J.L. Nehru: Animals in Prison

**SECTION B**

The following short stories from the collection *Popular Short Stories* ed. By Board of Editors (O.U.P.)

- K. Mansfeild: A Cup of Tea
- R. Tagore: Living or Dead
- H.H. Munro (Saki): The Open Window
- E. Hemingway: Old Man at the Bridge

- George Orwell: *Animal Farm*
- R.K. Narayan: *Bachelor of Arts*

**SECTION C**

The following units from *English at the Workplace* eds. Sawhney Panja and Verma (Macmillan)

- Unit 2: Language and Culture
- Unit 4: Ways of Reading
- Unit 7: Writing with a Purpose
- Unit 9: Talking on the Telephone

**Recommended Reading:**

Vandana R. Singh: *The Written Word* (O.U.P.)
वी.पी. प्रथम वर्ष : प्रथम प्रस्तुत पत्त
अदिकैल एवं भक्तिकैल

पूर्णक : 100
1. विद्यापित
   1. नन्दक नन्दन कदमबेली तरुतरे
   2. तुलसिन अब न बजाव विषय बंसिया
   3. विश व्याकुल यक्तुल तरुतरे, पेखल नन्द-कुमार रे
   4. कुंज-भवन से चलि भेलि हे
   5. संख हे कवरू हे देखि मधाई
      (विद्यापित शिव प्रसाद सिय)

2. कबीरदास
   1. मन के अंग - प्रथम 15 सारी
   2. तुलसिन गाँवें मंगलचार
   3. संगी भाई आई ग्यान की आंधि रे
   4. पंडित बाद बसते झुठा
   5. काहे रे नलिनी तूं कुमिल्लानी
   6. अरे इन दोक न राह न पाई
      (कबीर ग्रन्थावली - स्यामसूदद दास)

3. जायसी - पद ोहु वर्णन खण्ड (जायसी ग्रन्थावली - रामचन्द्र शुक्ल)

4. सूरदास
   भमर गीत सार - रामचन्द्र शुक्ल
   पद संख्या - 8, 15, 21, 31, 36, 41, 52, 64, 65, 116, 130, 237, 316, 375, 400

5. मीरावाई
   सं नरोत्तम स्वामी
   पद संख्या - 1, 3, 4, 5, 10, 11, 12, 14, 15, 16, 20, 23, 28, 31, 32

6. तुलसीदास
   अयोध्या काण्ड - 127 दोहा से 133 तक (प्रकाशक-गीताप्रेष गोरखपुर)

7. कवितावली 5 पद : सम वन गमन (प्रकाशक-गीताप्रेष गोरखपुर)

8. रसखान
   कुल 15 संवेद (संवेद संख्या-1, 2, 3, 5, 7, 11, 18, 21, 25, 27, 31, 32, 34, 37, 41) रसखान रचनावाली - समाधक : विद्यानिवास भिष्र

9. नंददास
   भवर गीत (केवल प्रथम तीस पद)

अंक विभाजन : व्याख्या - कुल चार (एक कवि से एक ही व्याख्या पूछी जाएगी)
   आत्मिक विकल्प देख (4 x 10 = 40) अंक
   आलोचनात्मक वसन- कुल चार (4 x 15 = 60) अंक
   अंतिम प्रश्न टिप्पणी परक होगा। कुल दो टिप्पणियों 7½ - 7½ अंकों की पूछी जाएगी।
   आत्मिक विकल्प देख होगा।

Dy. Registrar (Acad.)
University of Rajasthan
Jaipur
बी.ए. प्रथम वर्ष : हिन्दी साहित्य : द्वितीय प्रश्न पत्र
कहानी रेखाचित्र तथा संस्करण

पूर्णक : 100
अवधि : 3 घण्टे

1. कहानी : चन्द्रभर शर्मा गुलेशी — बुधू का कॉन्टा
प्रेमचंद — पूर्व की रात
विश्वशक्ति शर्मा कौशिक — ताई
प्रसाद — पुरस्कार
जैनेश्वर — पालेव
यशपाल — पदरा
उषा प्रियंवदा — वापसी
रंगेश राघव — पंच प्रतिमाकर

2. रेखाचित्र तथा संस्करण :
रेखाचित्र :
शिवपूजन सहाय — महाकवि जयशंकर प्रसाद
लेठ गोविन्ददास — मकडूम बख्शा
रामबाूं बनीपूरी — रजिया
हजारी प्रसाद भिवेदी — एक कुत्ता और एक मैना
श्रीकुलल शारीरी — ये है प्रोफेसर शशाक

संस्करण :
अजय — समर का स्मृतिकार (धय कुश्वदास)
नरेश्वर — दादा स्व. प. बालकृष्ण शर्मा 'नवीन'
माथकलाल बुजवेदी — तुम्हारी स्मृति
महादेवी वर्मा — निरंतर भाई

अंक विभाजन : व्याख्या — कुल चार (एक पाठ से एक ही व्याख्या पूर्णी जाएगी)
आन्तरिक विकल्प देय (4 x 10 = 40) अंक
आलोचनात्मक प्रश्न— कुल चार (4 x 15 = 60) अंक
अतिम प्रश्न टिप्पणी पर्यंत होगा। कुल दो टिप्पणियाँ 7½ - 7½ अंकों की पूर्णी जाएगी।
आन्तरिक विकल्प देय होगा।

Dy. Registrar (Acad.)
URDU
Paper I : Prose and Drama

Scheme:

Max. Marks 100 3 Hrs. Duration Min. Pass Marks 72

Books Prescribed:
1. Meyare Adab Hisaye Nasr-Published by Educational Book House, Aligarh (U.P)
2. Darwaza Khel Do-by Krishna Chandar

Division of Marks:

Unit I Ten short answer type questions. Marks 20
Unit II Explanation of Two Out of Three Texts. Marks 20
Unit III Critical Appreciation of a Prose Writer with Internal Choice Marks 20
Unit IV Critical Appreciation of Prescribed Drama with Internal Choice Marks 20
Unit V Salient Features of Urdu Drama/Technique Or Summary of A Prose Lesson Marks 20

Total: Marks 100

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

Paper II : Poetry and Rhetorics

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

Books Prescribed:
   The following are prescribed from the book:
   (a) Ghazaliyat: Meer, Atish & Ghaliib
   (b) Nazmen: Iqbal, Nazeer & Josh.
2. Jadeed Idemul Balaghat by Abdul Majeed Khan
   The following Rhetorics (Sanaya) Only:

Division of Marks:

Unit I Ten short answer type question. Marks 20
Unit II Explanation of Two out of Three Passages of Ghazal & Nazm. Marks 20
Unit III Appreciation of Ghazal Writer with Internal Choice Marks 20
Unit IV Appreciation of Nazm Writer with Internal Choice Marks 20
Unit V Meaning and Definition of Four Rhetorics with Internal Choice Marks 20

Total: Marks 100

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

M.M: 100

Min. Pass Marks 36

3Hrs.

Book Prescribed

1. Farsi Wa Dastoor (Pt-I) By Zhara Khan leri Published By Idara-e-Adabiyat-e-Delhi
   Only the following lessons at page No of the book are prescribed:
   3,9,13,19,24,65,85,93,96,126,150,156,165,188.

2. Intekhb-e-Nazm-o-Nasar Farsi Published by Aligarh Muslim University only the
   following lessons is prescribed
   Intekhab-e-Gulistan-e-Sadi-Hijrat (Five only)

3. Vokola-e-Murafe-a (Drama) by Mirza Jafar Published Ram Narayan Beni Madho
   Allhabad (Page No. 83 to 112)

Division of Marks:

Unit-1(A) Short Answer type Question 10 out of 15 all the full syllabus based. 10
   (B) Translation of Two passages out of three into Urdu/Hindi/English 20

Unit-2 Translation of One passages out of two into Urdu/Hindi/English 10

Unit-3 Biographical Questions on Prescribed text writer with Internal Choice 20

Unit-4 General Questions on Fiction/ Character (Drama) 20

Unit-5 Summery of Prescribed lessons with Internal Choice 20

Total Marks 100

Book Recommended

1. Farhang-e-Amerah (Urdu/Arbi/Persian)
2. Sherul Ajam By Shibli Nomani Vol. 1 to 3)
3. Tareekh-e-Adabiyate Iran By Raza Zada Shafaq (Urdu Translation)
4. Sanadeed-e-Ajam By Mehdi Hasan Nasri
5. Tareekh-e-Adab-e-Farsi By Shareef Husain Qasami

Note: Unit-1 Both A and B Questions are compulsory.

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Book Prescribed

1. Farsi Wa Dastoor (Pt-I) By Zhara Khan leri Published By Idara-e-Adabiyyat-e-Delhi
   Only the following lessons at page No 1,34,77,118,185,193 of the book are prescribed:
2. Manzoomat
   Intekhab-e-Nazam-o-Nasar Farsi Published by Aligarh Muslim University
   Iqbal: Khuda, Insan, Hoor, Shayar, Nawa-e-Mazdoor.
3. Ghazliyat
   Nisab-e-Jadeed Farsi (Hissa Nasar Wa Nazam) Published by Jayyed Press Delhi.
   Ghazliyat-e-Hafiz: First Three
   Ghazliyat-e-Ameer Khusro: First Three
   Ghazliyat-e-Sheharyar: First Three
4. Jadeed Ilmul Balaghat by Abdul Majeed Khan (only the following Sanaya)
   i. Tazad ii. Laffo Nashr iii. Talmeeh iv. Husn-e-Taleel
   V. Istiara vi. Ieham vii. Ishteqaq viii. Tashbeeh

Division of Marks:

Unit-1(A) Short Answer type Question 10 out of 15 all the full syllabus based. 10
  (B) Translation of Two passages out of three from Manzoomat 20
  into Urdu/Hindi/English
Unit-2 Translation of Two passages out of three from Ghazliyat 20
  into Urdu/Hindi/English
Unit-3 Biographical/Critical Question on Ghazal writer with Internal Choice 20
Unit-4 Biographical/Critical Question on Nazm writer with Internal Choice 20
Unit-5 Meaning with Definition & Examples of two Rhetoric’s with Internal Choice 10

Total 100

---

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25
Book Recommended

1. Farhang-e-Amerah (Urdu/Arbi/Persian)
2. Sherul Ajam By Shibli Nomani Vol. 1 to 3)
3. Tareekh-e-Adabiyate Iran By Raza Zada Shafaq (Urdu Translation)
4. Sanadeed-e-Ajam By Mehdi Hassan Nasri
5. Tareekh-e-Adab-e-Farsi By Shareef Husain Qasami
6. Amuzish Zaban-e-Farsi  Daur-e-Muqaddemati by Yadollah Samrah (Vol. 1 to 4)

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

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ARABIC

Scheme:
Max. Marks 200  Min. Pass Marks 72
Paper I: Prose, Translation and History of Arabic Literature:
Max. Marks 100  3 Hrs. Duration  Min. Pass Marks 36
Syllabus and Division of Marks:
1. Translation of Urdu/English passages into Urdu/English 40
2. Translation of Urdu/English passages into Arabic 20
3. Summary of a lesson 10
4. Life Sketch of a Prose writer. 15
5. Question of elementary Arabic Literature. 15
Total Marks: 100

Books Prescribed:
1. Alquiratul Rashidah Part-I Following twenty lessons only: 3, 4, 5, 6, 7, 8, 9, 12, 13, 18, 22, 24; 29, 35, 36, 44, 45, 46, 49, 58.

Books Recommended:
Arabi Adab Ki. Tareikh Kh by Dr. Ebteshamudin Naqvi.

Paper II: Poetry, Translation Grammar and Composition
Max. Marks 100  3 Hrs. Duration  Min. Pass Marks 36
Syllabus and Division of Marks:
1. Extracts from Arabic Text. Poems into Urdu/English.
Syllabus B.A. Part-I

2. Translation of Urdu/English passages into Arabic 20
3. Life Sketch of a Poet. 10
4. Composition 15
5. Grammar 15

Total Marks: 100

Book Prescribed:
Nukhbatul Abab, Murattiba Shoba-e-Arabi.
Muslim University, Aligarh, Ishaat-e-Sani.
The following pages:
Grammar: The following topics only.

Book Recommended for Translation
Darial-ul-Adab Udhwawaj R. Zafar Iqbal.

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Jaipur
सामान्य निर्देश —

1. प्रत्येक परीक्षा में दो–दो प्रश्नपत्र होंगे।
2. प्रत्येक प्रश्नपत्र में न्यूनतम उत्तीर्णक 36 तथा पूर्णक 100 होंगे और समय 3 घण्टे का होगा।
3. परीक्षा का माध्यम हिंदी/अंग्रेजी होगा, परन्तु प्रश्नपत्र केवल हिंदी में बनाया जायेगा। परीक्षार्थी को छूट नहीं दी जाएगी कि वह हिंदी-संस्कृत अथवा अंग्रेजी में किसी एक भाषा में उत्तर दे सके। यदि परीक्षार्थी 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 देवनागरी लिपि में ही लिखा जाना अपेक्षित है।
5. निर्धारित ग्रन्थ में से अनुवाद, व्याख्या, सरलार्थ एवं समालोचनात्मक प्रश्न पूछे जायेगे।
6. प्रत्येक प्रश्नपत्र में 10 प्रश्नों के अक्षर, संस्कृत भाषा में उत्तर दे सकते हैं।
7. प्रत्येक प्रश्नपत्र में दो भाग होंगे, जिसमें प्रथम 'अ' भाग भविष्यक भाषा (संस्कृतिष्ठ ) एवं लघुतर प्रश्नों का होगा। 'ब' भाग में निबन्धात्मक प्रश्न होंगे। 'अ' भाग में कुल 20 प्रश्न होंगे, जिनका पूर्णक 30 होगा। इनके समाधान के लिये एक घंटे का समय निर्धारित है। छात्र (परीक्षार्थी) को परीक्षा प्रारंभ होते ही सर्वप्रथम 'अ' भाग हल करने के लिए दिया जायेगा तथा एक घंटा समाप्त होते ही पुनः संकलित कर लिया जायेगा। 'ब' भाग का हल उत्तरपुसितका में प्रस्तुत करना है, जिसके पूर्णक 70 हैं तथा कालावधि 2 घंटे निर्धारित है।

परीक्षा का निर्देश —

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प्रथम प्रश्नपत्र

दृश्य एवं श्रव्य काय्य

समय : 3 घण्टे

प्रथम प्रश्न में निर्धारित ग्रन्थ में से लघुतरात्मक निबन्धात्मक, अनुवाद, व्याख्या व समालोचनात्मक प्रश्न पूछे जायेंगे। 15 प्रश्न लघुतरात्मक होंगे जिनमें से प्रथम 5 प्रश्नों का उत्तर संस्कृत भाषा के माध्यम से देना होगा, प्रत्येक प्रश्न के लिए 2 अंक निर्धारित हैं। जिस प्रश्नपत्र में संस्कृत अनुवाद/निबन्ध पूछे गए हैं वहाँ संस्कृत में उत्तर अपेक्षित नहीं हैं।

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<td>4. अनुवाद— संस्कृत से हिन्दी—अपठित गद्य—</td>
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<td>5. हिन्दी से संस्कृत दस में से पांच वाक्य</td>
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प्रश्न—पत्र का निर्माण निम्नानुसार होगा—

1. सभी प्रश्न अनिवार्य हैं।
2. प्रत्येक पुस्तक से लघूतरतम व निवन्धातम व्याख्यातम प्रश्न पूछे जायेंगे।

लघूतरतम प्रश्न के 2 अंक निर्धारित हैं।

निवन्धातम/ व्याख्यातम प्रश्न

स्वनवासवदत्तम्
1. 4 श्लोक पूछकर उनमें से किसी 2 की साप्रसंग व्याख्या पूछी जायेगी। 12 अंक
2. दो विवेचनात्मक प्रश्न पूछकर किसी एक का उत्तर देय है। 7 अंक

नीतिशालकम्
1. 4 श्लोक पूछकर उनमें से किसी 2 श्लोकों की साप्रसंग व्याख्या पूछी जायेगी। 10+7=17 अंक
2. दो विवेचनात्मक प्रश्न पूछकर किसी एक प्रश्न का उत्तर देय होगा। 7 अंक

रघुवंशम् (प्रथम सर्ग)
1. 4 श्लोक पूछकर उनमें से किसी 2 श्लोकों की साप्रसंग व्याख्या पूछी जायेगी 12 अंक
2. दो विवेचनात्मक प्रश्न पूछकर किसी एक प्रश्न का उत्तर देय होगा। 7 अंक

अनुवाद
1. संस्कृत से हिन्दी—अपठित गद्य का अनुवाद अपेक्षित है। 10 अंक
2. हिन्दी से संस्कृत— दस वाक्य देकर पांच वाक्यों का अनुवाद अपेक्षित है। 10 अंक
सहायक पुस्तकें—
1. स्वनवासवदत्तम्—डॉ. कृष्णदेव प्रसाद—जगदीश संस्कृत पुस्तकालय, झालानियों का रास्ता , जयपुर।
2. स्वनवासवदत्तम्—डॉ. रुपनारायण त्रिपाठी —रचना प्रकाशन, जयपुर।
3. स्वनवासवदत्तम्—डॉ. श्रीकृष्ण ओझा, अभियंता पाण्डेय—जगदीश संस्कृत पुस्तकालय, झालानियों का रास्ता , जयपुर।
4. स्वनवासवदत्तम्—डॉ. जगन्नाथ पाण्डेय, जगदीश संस्कृत पुस्तकालय, झालानियों का रास्ता , जयपुर।
5. नीतिशतकम्—डॉ. गोपाल शर्मा, हंसा प्रकाशन, जयपुर।
6. नीतिशतकम्—डॉ. श्रीकृष्ण ओझा, राज प्रकाशन मंडिर, जयपुर।
7. नीतिशतकम्—डॉ. सुभाष वेदांतकार, हंसा प्रकाशन, जयपुर।
8. रघुवंशम् (प्रथम सर्ग)
9. संस्कृत व्याकरण— श्री निवास शास्त्री।
10. वृहद अनुवाद चंद्रिका — चक्रधर हंस नीतियाल
11.

द्वितीय प्रश्नपत्र

समय : 3 घण्टे
अंक—100
भारतीय संस्कृति के तत्त्व, पद्ध साहित्य, अनुवाद एवं व्याकरण
प्रश्नपत्र योजना— प्रथम प्रश्न में निरंतरता ग्रंथ में से लघुतरतम निवाठामक, अनुवाद,
व्याख्या व समारोहनतम प्रश्न पूछे जायेंगे।

पाठ्यक्रम

1. भारतीय संस्कृति के तत्त्व —
20 अंक
क— भारतीय संस्कृति—विषय, पृष्ठभूमि, विशेषताएँ।
ख— भारतीय संस्कृति के विकास की रूपरेखा—पूर्ववर्तिक काल, बौद्धकाल, मध्यकाल
(वैदिककाल) एवं आधुनिक काल।
ग— प्राचीनकाल— राजनीतिक, सामाजिक एवं आर्थिक स्थिति।
घ— वर्ण, आध्यात्मिक, एवं संस्कार।
ड— शिक्षा (वैदिककाल से लेकर 7वीं शताब्दी तक)
च— लेखन—कला की उत्पत्ति।
छ— भारतीय दर्शन की प्रमुख विधायावाद।
ज— भारतीय संस्कृति का मानव—कल्याण में योगदान।

2. किरातार्जुनीयम (प्रथम सर्ग)—भारविकृत 25 अंक

3. व्याकरण—तत्त्वसिद्धान्तकोमुद्री—संज्ञा, एवं संधि प्रकरण
35 अंक
क—संज्ञा प्रकरण— 10 अंक
ख—अच्छ संधि— 10 अंक

[पाठ्यसमिति राजस्थान]
4. निम्नलिखित कृत्ति प्रत्ययों से वाक्य निर्माण सम्बन्धी प्रश्न –

20 अंक

तत्त्व, अनीयत् – तत्त्वत्थानीयतः
यत् – अयो यत्, इद्यति, पोर्दुपवात्
क्यों – एतिस्तुशास्त्रूप्तुपूज्येनक्यों, हस्सस्य पितृकृति तुषः, शास स्तदंहलोः
प्रयत् – अहलोपर्यंत्
श्रुत, शासनच – नष्ट: शास्त्रान्योपाध्यायमानाधिकारिणो, आने मुक्क
कत्, कठवत् – कत्कतखर्षणः, रद्ध्याणानानानः न: पूर्वस्य च द:
क्षायो – समानकोषकोषयोः पूर्वकाले
ल्यप् – समस्तेषुन्मृत्युः क्षेत्री ल्यप
tुप्त – तुष्टुप्तुप्तूलो क्रियायांक्रियायांयां

अंक – विवासन

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<th>अंक</th>
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प्रश्न–पत्र का निर्माण निम्नानुसार होगा –

1. सभी प्रश्न अनिवार्य हैं।
2. प्रत्येक पुस्तक से लघुतवालमक ब निबन्धालमक, व्याख्यालमक प्रश्न पूछे जायेंगे।
   लघुतवालमक प्रश्न के 2 अंक निबन्धित हैं।
   निबन्धालमक / व्याख्यालमक प्रश्न

भारतीय संस्कृति के तत्त्व
1. दो निबन्धालमक प्रश्न पूछकर किसी एक का उत्तर अभीष्ट है। 10 अंक
2. दो विश्वयों पर टिप्पणी पूछ कर किसी एक का उत्तर अभीष्ट है। 04 अंक

किरातार्जुनीयम (प्रथम अंग)
1. 4 श्लोक पूछकर उनमें से किन्हीं 2 श्लोकों की स्पर्शसंग व्याख्या पूछी जायेगी 6+6=12 अंक
2. दो विवेचनालमक प्रश्न पूछकर किसी एक प्रश्न का उत्तर देय होगा। 5 अंक

कृत्ति प्रत्ययों से सम्बन्धित वाक्य निर्माण करवाया जाना अपेक्षित है।

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क. संज्ञा प्रकरण
4 सूत्र पूछकर किन्हीं 2 सूत्रों की सोदाहरण व्याख्या अपेक्षित है।
प्रत्येक व्याख्या के लिये 2 अंक निरिखित हैं।

ख. अच्छ विन्दु—
4 सूत्र पूछकर किन्हीं 2 सूत्रों की सोदाहरण व्याख्या अपेक्षित है।
प्रत्येक व्याख्या के लिये 2 अंक निरिखित हैं।

4 शब्दसिद्धि पूछकर किन्हीं 2 शब्दों की सूत्रनिर्देश पूर्वक सिद्धि
अपेक्षित है। प्रत्येक सिद्धि के लिये 2 अंक निरिखित हैं।

ग. हल् विन्दु—
4 सूत्र पूछकर किन्हीं 2 सूत्रों की सोदाहरण व्याख्या अपेक्षित है।
प्रत्येक व्याख्या के लिये 2 अंक निरिखित हैं।

4 शब्दसिद्धि पूछकर किन्हीं 2 शब्दों की सूत्रनिर्देश पूर्वक सिद्धि
अपेक्षित है। प्रत्येक सिद्धि के लिये 2 अंक निरिखित हैं।

घ. विसर्ग विन्दु—
2 सूत्र पूछकर किसी 1 सूत्र की सोदाहरण व्याख्या अपेक्षित है।

डू कृष्ण प्रत्यय—
2 शब्दसिद्धि पूछकर किसी 1 शब्द की सूत्रनिर्देश पूर्वक सिद्धि
अपेक्षित है। (कृष्णप्रत्यय के प्रयोग पूर्वक वाक्य निर्माण अपेक्षित है।

कुल योग—100 अंक

सहायक पुस्तक— भारतीय संस्कृति
1. भारतीय सांस्कृतिक निधि— डॉ. रामजी उपाध्याय, महामायापुरी, वाराणसी।
2. भारतीय संस्कृति—श्री रामदेव साहू, श्याम प्रकाशन, चौदा राजस्थान, जयपुर।
3. भारतीय संस्कृति— वाई.एस.रमेश—रचना प्रकाशन, जयपुर।
4. भारतीय संस्कृति— डॉ. रामजी उपाध्याय, महामायापुरी, वाराणसी।
5. भारतीय दर्शन— डॉ. बलदेव उपाध्याय, चौकम्बा प्रकाशन, वाराणसी।

किराताज्ञानीयम्
1. किराताज्ञानीयम् (प्रथम सर्ग)—आचार्य नवल किशोर कंकर, विद्या वैभव भवन, जयपुर।
2. किराताज्ञानीयम् (प्रथम सर्ग)—डॉ. विश्वनाथ शर्मा, आदर्श प्रकाशन, जयपुर।
3. किराताज्ञानीयम् (प्रथम सर्ग)— डॉ. सूरभी वेदालंकार, —अलंकार प्रकाशन, जयपुर।

अनुवाद के लिए
1. संस्कृत रचनानुवाद मंजरी—पं. नंदकुमार शास्त्री, अजमेरा बुक कम्पनी, त्रिपोलिया बाजार, जयपुर।
2. रचनानुवाद कौमुदी—डॉ. कमलदेव द्विवेदी, वाराणसी।
3. रचनानुवादब्रम्बा—डॉ. श्रीनिवास शास्त्री, कुरुक्षेत्र।

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ध्याकरण के लिये
1. लघुसिद्धांत कौमुदी— डॉ.बसंत जैतली एवं डॉ. राजेश कुमार,जगदीश संस्कृत पुस्तकालय जयपुर।
2. लघुसिद्धांत कौमुदी— श्रीमहेश सिंह कुशवाहा, चोखम्मा संस्कृत प्रतिष्ठान,दिल्ली।
3. लघुसिद्धांत कौमुदी— श्री धरणन्द शास्त्री, मोतीलाल बनारसीदास,दिल्ली।
4. लघुसिद्धांत कौमुदी— भीमसेन शास्त्री।
5. संस्कृत ध्याकरण— श्री निवास शास्त्री।
6. वृहद अनुवाद चन्द्रिका— चक्रधर हंस नौटियाल

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JAIPUR
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 in total. This part will consist of twenty compulsory short questions, with 2 marks each. The word limit for these questions shall be upto 50 words. These questions will cover the entire units and there will be no unit wise division of the questions asked in this part.

(4) Part II of the question paper will be of 60 marks and students will required to write detailed answer in the answer sheet only. If syllabus (course contents) of a paper is divided into two units i.e. Unit A and Unit B, then in this part of the question paper six questions will be asked in total: three questions from each unit. Student will be asked to attempt three questions in total and at least one question from each unit. Each question will be of 20 marks. 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. The ideal word limit for these questions is 500-600 words.

Paper I: Indian Philosophy

Unit A:

1. Nature of Indian Philosophy: plurality as well as common concerns.

2. Basic concepts of the Vedic and the Upanisadic world-views, Rta (the cosmic order): the divine and the human realms, the centrality of the institution of Yajna (sacrifice), Rna (duty/obligation).

3. Carvaka school: its epistemology, metaphysics and ethics.


5. Buddhism: theory of pramanas, theory of dependent origination, the four noble truths, doctrine of momentariness, theory of no-soul. The interpretation of these theories in schools of buddhism: Vaibhasika, Sautrantika, Yogacara, Madhyamika.

Unit B:

1. Nyaya: theory of pramanas, the individual self and its liberation, the idea of God and proofs for his existence.


3. Samkhya: causation, satkaryavada, prakrti, its constituents, evolutes and arguments for its existence, purusa, arguments for its existence and plurality of purusas, relationship between prakrti and purusa, kaivalya, atheism.

Unit C:
2. Advaita: nirguna brahman, adhyasa, rejection of difference, vivartavada, maya, three grades of satta, pramanas, jiva, jivanmukti.

Suggested Readings:
M. Hiriyanna : Outlines of Indian Philosophy (Hindi translation available)
C.D. Sharma : A Critical Survey of Indian Philosophy (Hindi translation available)
S.N. Dasgupta : A History of Indian Philosophy, Vols. I to V (Hindi translation available, Hindi Granth Academy, Jaipur)
S. Radhakrishnan : Indian Philosophy, Vols. I & II. (Hindi translation available, Rajkamal, Delhi).
R.D. Ranade : A Constructive Survey of Upanisadic Philosophy (Hindi translation available, Hindi Granth Academy, Jaipur)
Dutta & Chatterjee : Introduction to Indian Philosophy (Hindi translation available)
R. Puligandla : Fundamentals of Indian Philosophy
संगम लाल पाण्डे : भारतीय दर्शन का सर्वेक्षण, सेंट्रल पब्लिकेशन लाइब्रेरी।

Unit A:
1. Introduction: Early Greek philosophy: Sophists & Socrates.
2. Plato: Theory of knowledge: knowledge (episteme) and opinion (doxa), theory of forms, soul, idea of the Good
3. Aristotle: Critique of Plato's theory of forms, theory of causation, form and matter, potentiality and actuality, soul, God

Unit B:
2. Descartes: Method and the need for method in philosophy, method of doubt, cogito ergo sum, types of ideas, mind and matter, mind-body interactionism, God: nature and proofs for his existence.
4. Leibniz: Monadology, doctrine of pre-established harmony; truths of reason and truths of fact, innateness of all ideas, principles of non-contradiction, sufficient reason and identity of the indiscernible, God: nature and proofs for his existence.

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1. Locke: Theory of knowledge-ideas and their classification, refutation of innate ideas, knowledge and its grades, substance, qualities: primary and secondary

2. Berkeley: Rejection of abstract ideas, rejection of the distinction between primary and secondary qualities, immaterialism, esse est percipi: the problem of solipsism.

3. Hume: Theory of knowledge- impressions and ideas; judgments concerning relations of ideas and judgments concerning matters of fact; causality; external world, self and personal identity; rejection of metaphysics; skepticism.

4. Kant: conception of critical philosophy; classification of judgments: analytic, synthetic, a priori, a posterior, possibility of synthetic apriori judgments.

Suggested Readings:
W.T. Stace : *A Critical History of Greek Philosophy*
J.S. Srivastava : 1. ग्रीक दर्शन का वैज्ञानिक इतिहास, किताब महल, इलाहाबाद
2. मध्ययुगीन दर्शन का वैज्ञानिक इतिहास, किताब महल, इलाहाबाद
3. आधुनिक दर्शन का वैज्ञानिक इतिहास, किताब महल, इलाहाबाद
याकूब मसीह : पाश्चात्य दर्शन का समीक्षात्मक अध्ययन, मोहलल बनारसीदास, दिल्ली (English Translation Available)
F. Thilly : *History of Western Philosophy*
HISTORY

The scheme of examination will be as follows:

Scheme:

Maximum Marks 200

<table>
<thead>
<tr>
<th>Paper</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper I</td>
<td>3 hrs.</td>
</tr>
<tr>
<td>Paper II</td>
<td>3 hrs.</td>
</tr>
</tbody>
</table>

Minimum Pass Marks 72

<table>
<thead>
<tr>
<th>Paper</th>
<th>Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper I</td>
<td>100</td>
</tr>
<tr>
<td>Paper II</td>
<td>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:

अधिकार अंक 200

प्रथम प्रश्नपत्र समय 3 घंटे अंक 100

द्वितीय प्रश्नपत्र समय 3 घंटे अंक 100

नोट: इतिहास विषय के कुल दो प्रश्नपत्र होंगे, प्रत्येक प्रश्नपत्र तीन घंटे की अवधि का एवं 100 अंकों का होगा।

प्रत्येक प्रश्नपत्र के दो भाग होंगे। प्रथम भाग 40 अंकों का होगा एवं इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंकों के प्रथम अनिवार्य प्रश्न में, दो—दो अंकों के 10 अनिवार्य अविलासप्रकार प्रश्न होंगे। प्रत्येक उत्तर की सीमा 20 शब्द।

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

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

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PAPER I: HISTORY OF INDIA (FROM THE BEGINNING UPTO 1200 A.D.)

Section - A


Section - B


Section - C


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Dy. Directors
University of Rajashan
प्रथम प्रश्नपत्र : भारत का इतिहास (अंग्रेजी से 1200 ईस्वी तक)

खण्ड – क

1200 ईस्वी तक भारत के इतिहास के मुख्य घटना। भारत की प्रागैतिहासिक संस्कृतियों का संक्षिप्त सर्वेक्षण। सिन्धु–सारस्वती सम्प्रदाय – उद्गम, विस्तार, प्रमुख विशेषताएँ, पतन एवं निर्भरता। वैदिक युग – वैदिक साहित्य, राजशासन, समाज, अर्थशास्त्र एवं धर्म। भारत की लौहयुगीन संस्कृतियों का संक्षिप्त सर्वेक्षण। जनपदों एवं महाजनपदों का उदय – राजतंत्र एवं गणराज्य। नंद वंश तक भारत साम्राज्यवाद का उत्कळ। जैन धर्म एवं बौद्ध धर्म – उद्गम, शिलाएँ, योगाध्याय।

खण्ड – ख

मौर्य साम्राज्य– मुख्य स्थान। चन्द्रगुप्त मौर्य एवं अशोक। अशोक का धर्म – इसकी प्रकृति एवं प्रवाह। मौर्यावतों राज्य एवं प्रशासन, समाज एवं अर्थव्यवस्था, कला एवं स्थापत्य। मौर्यों का पतन। नौसिंह काल (त्र्यम्भ 200 ई., पू. से 300 ईस्वी) – शूरों, सातवाहनों, शकों एवं कुष्ठों की उपलब्धियाँ। नौसिंह काल में सामाजिक, धार्मिक एवं आर्थिक जीवन, तथा साहित्य एवं कलाओं का विकास। संगम युग – साहित्य, समाज, अर्थव्यवस्था एवं संस्कृति।

खण्ड – ग

गुप्त साम्राज्य – समुद्रगुप्त, चन्द्रगुप्त द्वितीय, विक्रमशुमित्र, स्वयंगुप्त की उपलब्धियाँ। राज्य एवं प्रशासनिक संस्थाएँ। सामाजिक एवं आर्थिक जीवन। धार्मिक धर्म एवं संस्थाएँ। साहित्य, कला एवं विज्ञान का विकास। 750 ईस्वी तक गुप्त भाषा – कथाओं, गाथाओं एवं पत्तियों की उपलब्धियाँ। वि–राजवंश संध्यार। साम्राज्यवादी चोट एवं उनकी उपलब्धियाँ। 750 से 1200 ईस्वी के काल में सामाजिक एवं आर्थिक परिवर्तनों का अध्ययन तथा सांस्कृतिक जीवन का संक्षिप्त सर्वेक्षण।

Books Recommended (अनुसरित पुस्तकें):

H. D. Sankalia : Prehistory of India, Murshiram Manoharlal, New Delhi, 1977
R.K. Mookerji : Chandragupta Maurya and His Times, Delhi, 1952 (also in Hindi)
B. N. Puri : Aśoka, Delhi, 1972 (also in Hindi)

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PAPER II: HISTORY OF RAJASTHAN (FROM EARLIEST TIMES TO 1956 A.D.)

Section - A

हिन्दी प्रत्ययपत्र : राजस्थान का इतिहास (आरंभिक काल से 1956 ईस्वी तक)

खण्ड - क
राजस्थान के इतिहास के स्रोत का सर्वव्यः। राजस्थान में पुरातात्विकताएं एवं मध्ययुगीन संस्कृतियाँ। ताम्रपराणिक एवं ताम्रभूमिन संस्कृतियों का प्रसार एवं विस्तार (आहार, बालाश्रम, गणेशरण)। राजस्थान में मात्रक जनजातियाँ एवं गणतान्त्रिक जातियों। राजपूतों का उदय। गुरु, गुर्जर-प्रतिहारों एवं बाहमानों का उत्कर्ष एवं विस्तार।

खण्ड - ख
राजस्थान में मुसलमान आक्रमणों का राजपूत प्रतिरोध। महाराजा कुंभ एवं संगों के अधीन में। 1918 ईस्वी के पुराणपुत्र भागवतनिक एवं ब्राह्मणिक परिवर्तन। सामाजिक परिवर्तन - कन्या-शिशु का एवं सती पर प्रतिकूल। आर्थिक परिवर्तन - घुड़ राजस्थानी बंदेसकाल। नवम्बर एवं अक्टूबर में ब्रिटिश एकाधिकार।
राजस्थान में 1957 का विकास। राजस्थान में आर्थिक समाज का प्रबंध। कृषि और व्यापार व्यापार एवं जनजातिय आंदोलन के एक संस्कृत संबंध। राजस्थान में प्रजामंडलों का गठन एवं व्यापारी एवं सामाजिक राजस्थान के राज्यों का एकीकरण।
<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Edition</th>
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<tbody>
<tr>
<td>Dasharath Sharma</td>
<td>Rajasthan through the Ages, Vol. I</td>
<td>Bikaner, 1966</td>
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<td></td>
<td>Early Chauhan Dynasties</td>
<td>Delhi, 1975</td>
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<tr>
<td>G. N. Sharma</td>
<td>Rajasthan through the Ages, Vol. II</td>
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<td></td>
<td>Mewar and the Mughal Emperors</td>
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<td></td>
<td>Social Life in Medieval Rajasthan</td>
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<tr>
<td>M. S. Jain</td>
<td>Rajasthan through the Ages, Vol. III</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Surplus to Subsistence</td>
<td>Delhi, 1994</td>
</tr>
<tr>
<td>D.C. Shukla</td>
<td>Concise History of Modern Rajasthan</td>
<td></td>
</tr>
<tr>
<td>B. N. Puri</td>
<td>Early History of Rajasthan</td>
<td>Delhi, 1978</td>
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<td></td>
<td>The History of the Gurjara-Pratiharas</td>
<td>Delhi, 1975</td>
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<td>Shanta Rani Sharma</td>
<td>Society and Culture in Rajasthan c. A.D. 700-900</td>
<td>Delhi, 1996</td>
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<td>V.S. Bhatnagar</td>
<td>Life &amp; Times of Sawai Jai Singh (also in Hindi)</td>
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<td>V. N. Misra</td>
<td>Rajasthan : Prehistoric and Early Historic Foundations,</td>
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<td>H. D. Sankalia et al</td>
<td>Excavations at Ahar (Tambavati), 1961-62</td>
<td>Deccan College,</td>
</tr>
<tr>
<td></td>
<td>Poona, 1969</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The Ahar Culture and Beyond, Oxford</td>
<td>1988</td>
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<tr>
<td>गोपीनाथ सर्मा</td>
<td>राजस्थान का इतिहास, आगरा</td>
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<td>राजस्थान का सांस्कृतिक इतिहास, राजस्थान हिंदी ग्रन्थ अकादमी, जयपुर</td>
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<td>विश्वेंद्रनाथ पाठक</td>
<td>राजस्थान का इतिहास के अंतर्गत राजस्थान हिंदी ग्रन्थ अकादमी, जयपुर</td>
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<tr>
<td>एम.एस. जैन</td>
<td>उत्तर भारत का सांस्कृतिक इतिहास, लखनऊ</td>
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<td>रामप्रसाद व्यास</td>
<td>आधुनिक राजस्थान का इतिहास, जयपुर</td>
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<td>आधुनिक राजस्थान का इतिहास, खण्ड 1, एवं खण्ड 2, राजस्थान हिंदी ग्रन्थ अकादमी, जयपुर</td>
<td></td>
</tr>
</tbody>
</table>
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.

खण्ड 'क'
राजनीति विज्ञान: परम्परागत और आधुनिक दृष्टिकोण, व्यवस्थापन व उत्तर व्यवस्थापन, अन्तः
अनुपातमानक दृष्टिकोण, राजनीति विज्ञान का अन्य समाज विज्ञानों से संबंध,
अवधारणाएं: संघ, सत्ता व बैठक।

खण्ड 'ख'
राजनीतिक व्यवस्था, राजनीतिक आधुनिकीकरण, राजनीतिक विकास, लोकतंत्र, निर्देशकत्व, राजनीतिक
दल व दलवाद समूह, प्रतिनिधित्व के सिद्धांत, विधि का शासन व संविधानवाद, शासन के अंग व उसके
कार्य (आधुनिक दृष्टिकोण के बिशेष संदर्भ में)।

खण्ड 'ग'
राजनीतिक विचारधाराएं: उदारवाद, विश्ववाद, मार्क्सवाद, लोकतात्रिक समाजवाद, अराजकतात्व व
नारीवाद।
Paper-I: Foundations of Political Science

Section ‘A’

Traditional and Contemporary Perspective of Political Science, Behaviouralism and Post-Behaviouralism, Inter-disciplinary Approach, Relation of Political Science with other Social Science, Concept: Power, Authority, Legitimacy.

Section ‘B’

Political System, Political Development, Political Modernization, Democracy and Dictatorships, Political Parties, Pressure Groups, Theories of Representations, Rule of Law and Constitutionalism, organs of Government and their Functions (with reference to recent trends.)

Section ‘C’

Political Ideologies: Liberalism, Idealism, Marxism, Democratic Socialism, Anarchism and Feminism.

Books recommended:-

Asirvatham: Political theory (Hindi and English editions)
Mac Iver: The Modern State
Appadorai: Substance of Politics (Hindi and English editions)
S.B Dubey: Rajnitik Shastra Ke Sidhant
V.K. Arora: Rajniti Vigyan (Gadodia Pustak Bhandar, Bikaner)
J.C Johri: Principles of Political science
Chandradev Prasad: Political ideas

द्वितीय प्रश्न – पत्र: प्रतिनिधि भारतीय राजनीतिक विचारक

खण्ड ‘क’

मनु कौटिल्य व शुक्र।

खण्ड ‘ख’

राजा रामगोहन राय, स्वामी दयानन्द सरस्वती, गोपाल कृष्ण गोखले व वाल गंगाधर तिलक, स्वामी विवेकानन्द।

Dy. Registrar (Acad)
Paper- II : Representative Indian Political Thinkers

Section- A

Manu, Kautilya, Shukra.

Section- B


Section- C


Books recommended:

Awasthi and Awasthi : Pratinidhi Bhartiya Rajnitik Chintan
V.P Verma : Aadhunik Bhartiya Rajnitik Avam Samajik Chintan
Purshotam Nagar : Aadhunik Bhartiya Chintan.
Vishnou Bhagavan : Pramukh Bhartiya Rajnitik Vicharak (Adarch Prakashan, Chaura Rasata, Jaipur)
N.P. Verma : Indian Political Thought Vol. I&II
J.P. Sood : Main Currents of Indian Political Thought.

प्रमुख भारतीय राजनीतिक विचारक
वी.आर. शर्मा : प्रमुख भारतीय राजनीतिक विचारक
अवस्था एवं अवस्थी : प्रमुख भारतीय राजनीतिक चिन्तन
बोध हमें : प्रमुख भारतीय राजनीतिक विचारक
10. **INDIAN MUSIC**

Scheme:

**Number of Student** –

- Max. - 15
- Min. - 04

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

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

Practical  
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:** Each theory paper will contain nine questions having three question in each section. Candidates are required to attempt five questions in all selecting at least one question from each section.

- Candidates must pass separately in each of the paper Theory and Practical wherever prescribed.
Paper I

Principles of Indian Music

Section - A

Paper: 1 3 hrs. duration  Max. Marks 40 Min. Marks 15

1. Definition and explanations of the Following: Naad, Shruti, Swar Saptak, That, Raga, Mukhra, Sthai, Antara, Vadi, Samvadi, Anuvadi, Vivadi, Taal, Laya, Matra, Sam, Khali, Avarthan, Theka, Alap, Taan, Bol-alap, Bol-taan, Sargam. (Tihai, Maseetkhani Gat and Rajakhani Gat)

2. Critical study of all the Ragas, Identification and development of Raga through Alaps: Yaman, Bageshwari, Alhaiya Bilawal, Bhupali, Hindol, Hameer and Desh.

Section - B

3. Important and Basic rules regarding Hindustani Music.

4. Writing of the prescribed Talas, with Dugun, Dhamar, Kharva, Trital, Jhaptal, Ektal, Chautil, Dadra.

Section - C

5. Classification of Indian instrument.

6. Notation writing of Composition Gats in the prescribed Ragas.
Paper II

History of Indian Music

Paper II 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.

Section – A


2. Detailed study of the Notation system of Pt. Vishnu Digamber and Bhatkhande.

Section – B

3. Contribution of the following:
   Jaideo, Swami Haridas, Amir Khusro, Tansen.


Section – C

5. Use and description of the following instruments: Tabla, Sitar and Tanpura.

6. Elementary knowledge of the following dances: Kathak, Bharat Natyam, Kathakali and Manipuri.
There shall be one practical paper. (conducted by two different External Examiners)

Duration of Exam.: 1 hour per candidates.

Presentation of Ragas & Viva-voce Max. Marks 120

(Pertaining to general questions on Raga, Laya and Tal and to sing or play all the Ragas according to syllabus).

Detailed Course:

Vical Music
1. To sing given musical piece and to recognize the ragas & swaras when sing.
2. To show the difference of ragas by means of characteristics swarvistaras and to sing swar-vistaras 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, Tital, Jhaptal, Ektal, Chautal, Kharva and Dadra.
4. To sing Arohi, Avrohi, Pakad and Swar Vistar of the following ragas- Yaman, Bageshree, Alhaiya, Bhupali, Bhimplasi, Bilawal, Hindole, Hameer, and Des.
5. With the accompaniment of table to sing slow khayal and fast khayal with sufficient alaps and tanas of different varieties in the following four ragas- (i) Yaman (ii) Bageshree (iii) Bhimplasi.
6. To sing a Fast Khayal or Tarana with sufficient Tanas in any three ragas of the following –(i) Alahaiya-bilawal (ii) Hindole (iii) Hameer (iv) Bhupali (v) Des.
7. With the accompaniment of table or pakhawaj to sing one drupad with Dugun and one Dhamar with Dugun in any two ragas prescribed, under clause 4 but not selected under clause 5&6.
8. To sing light classical /Bhajan composition in the ragas mentioned in clause 4
9. One Lakshan Geet/Sargam

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Instrumental Music

Candidate can offer any one of the following instruments- Sitar, Violin, Sarod, Flute, Israj or Dilruba. Clause 1, 2, 3, and 4 same as Vocal Music singing may be replaced by playing.

5. To play a vilambit Gat (विलम्बितगत) and Fastgat (डूलगत) with sufficient varieties of Todas and Jhalas in the following Three ragas.
   (i) Yaman (ii) Bageshree (iii) Bhimplasi.

6. With the accompaniment of tabla to play a Fastgat (डूलगत) with Todas and Jhalas in any Three ragas of the following (i) Alahaiya-bilawal (ii) Hindole (iii) Hameer (iv) Bhupali (v) Des.

7. With to play a composition composed in other than trital in any of the ragas mentioned in clause 4 but not selected under clause 5 & 6

8. To play a dhun in any Raga.

Books Recommended:

1. A Short Historical Survey of the Music of Northern India by Pt. V.N. Bhatkhande.
2. संगीत के जीवन पुस्तक – एस.एन.साय।
3. Vadya shastra - Shri Harish Chandra Srivastava,
5. Sangeet Visharad by Basant.
6. Comparative Study of the Music of the 15th 16th and 17th Centuries, By Pt. V.N. Bhatkhande (Sangeet Karyalaya, Hathras.)
8. Tan Malika, Pt. III (Uttararadha) by Raja Bhaya Poonchwale.
13. Hindustani Sangeet Paddyati (Shastra) by Pt. Bhatkhande

Dy. Registrar (Acad.)
## Public Administration

<table>
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<th>Scheme</th>
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<tr>
<td>Paper-I</td>
<td>100</td>
<td>36</td>
<td>3 Hours</td>
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<tr>
<td>Paper-II</td>
<td>100</td>
<td>36</td>
<td>3 Hours</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

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University of Rajasthan
Jaipur*
Paper - I: Elements of Public Administration

Section A

Section B
Chief Executive, Line and Staff Agencies, Supervision, Delegation, Leadership, Communication, Decision-making, Public Relations.

Section C

Books Recommended:
1. A. Awasthi, S.R. Maheshwari, Public Administration.
2. C.P. Bhambhri: Public Administration.
5. Rumki Basu: Public Administration.
7. S.L. Goel, Public Administration - Theory & Practice.
10. Surendra Katariya, Lok Prashashan Ke Tatav.

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University of Rajasthan
Jaipur
Paper - II : Public Administration in India

Section - A

Historical Background of Indian Administration with special reference in influence of British period, salient features of Indian Administration. The Union Executive : President, Prime Minister and council of Ministers. The organization and working of the Central Secretariat and Cabinet Secretariat.

Section - B


Section - C

Personnel Administration : Classification of Indian Civil Services, Recruitment and Training of All India Services. Control over Administration : Legislative, Executive and Judicial; Administrative corruption, Redressal of Public Grievances, Administrative Reforms, Comparative study of Administrative Reforms, Commission I and Administrative Reforms, Commission II with reference of Personnel Administration and Corruption.

Books Recommended :

1. S.R. Maheshwari : Indian Administration.
2. P. Sharan : Public Administration in India.
3. Ramesh Arora & Rajni Goyal : Indian Public Administration.
4. Avasthi & Avasthi : Indian Administration.
6. भी.एल. फडिया : भारत में लोक प्रशासन
7. भी.डी. शर्मा एवं बी.एम. शर्मा : भारतीय प्रशासन
8. रविन्द्र शर्मा : भारत में लोक प्रशासन
9. रुकेन्द्र वेंकटेश्वरिया : भारत में लोक प्रशासन
10. एस.आर. मोहिनदेवी : भारतीय प्रशासन

Dy. Registrar (Acad.)
प्रश्न पत्र - 1 : लोक प्रशासन के तत्व

प्रथम खण्ड

लोक प्रशासन का अर्थ, प्रकृति व क्षेत्र, आधुनिक समाज में लोक प्रशासन का महत्व, लोक व निजी प्रशासन, लोक प्रशासन के अध्ययन का विकास, लोक प्रशासन एक सामाजिक विज्ञान के रूप में तथा लोक प्रशासन का अन्य सामाजिक विज्ञानों - राजनीति विज्ञान, अर्थशास्त्र, समाजशास्त्र, कानून व मनोविज्ञान से सम्बन्ध, लोक प्रशासन के अध्ययन के उपयोग-शास्त्रीय एवं मानवीय।

द्वितीय खण्ड

संगठन - अर्थ, औपचारिक एवं अनौपचारिक संगठन, संगठन के सिद्धांत - पदस्थापन, आदेश की एकता, नियंत्रण का क्षेत्र, समन्वय, केंद्रीयकरण, विकेंद्रीकरण, सता एवं उत्तरदायित्व।

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JAIPUR
मुख्य कार्यपालिका, सूत्र एवं स्टॉफ अभिकरण, पर्यवेक्षण, प्रत्यायोजन, नेतृत्व, संचार,
निर्णय-निर्माण: लोक सम्पर्क।

तृतीय खण्ड

बजट : अर्थ एवं प्रकार, बजट के सिद्धान्त, सामाजिक-आर्थिक नीति के साधन के
रूप में बजट, कार्यक्रम प्रशासन : अर्थ, प्रकृति एवं सामाजिक, नीतिक प्रकृति, लोक सेवा
और विकासशील समाज में इसकी भूमिका, वर्गीकरण : लोक सेवकों की भर्ती, प्रशिक्षण,
पदोन्नति, लोक प्रशासन में निर्माण एवं अभिन्नता।

अनुशंसित पुस्तकें —
1. ए. अकस्मी, एस.ए.एल. महेश्वरी : पब्लिक एडमिनिस्ट्रेशन
2. बी.जी. भार्मरी : पब्लिक एडमिनिस्ट्रेशन
3. डी.ए.एल. सच्चार एन्ड मीना सोगानी : पब्लिक एडमिनिस्ट्रेशन : कॉन्सेप्ट्स एन्ड
एप्लिकेशन्स
4. मोहित भट्टचार्य : पब्लिक एडमिनिस्ट्रेशन
5. रमेश कुश : पब्लिक एडमिनिस्ट्रेशन
6. एम.पी. शर्मा एन्ड बी.एल. सदानन : पब्लिक एडमिनिस्ट्रेशन इन थ्योरी एन्ड
प्रैक्टिस
7. एस.एल. गोयल : पब्लिक एडमिनिस्ट्रेशन — थ्योरी एवं प्रैक्टिस
8. हृदियार सिंह प्रदीप सच्चार : एडमिनिस्ट्रेशन थ्योरी
9. संविधान समर्थ : लोक प्रशासन के तत्त्व
10. सुरेश कुटारिया : लोक प्रशासन के तत्त्व

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University of Rajasthan

[Signature]
द्वितीय पत्र — भारत में लोक प्रशासन

प्रमाण पत्र

भारतीय प्रशासन की ऐतिहासिक पृष्ठभूमि — ब्रिटिश काल के प्रभावों के विशेष सन्दर्भ में, भारतीय प्रशासन की मुख्य विशेषताएँ, संघीय कार्यपालिका : राष्ट्रपति, प्रधानमंत्री एवं मंत्रिपरिषद, केंद्रीय सचिवालय, मंत्रिमण्डल सचिवालय।

द्वितीय खण्ड

यह मंत्रालय, कार्यक पेशन एवं लोक शिक्षा विभाग का संगठन व कार्यकरण, लोक उद्योग के प्रमुख प्रकार : विभाग, निगम एवं कार्यालय लोक उद्योग को संसदीय समिति, विदेशी प्रशासन : वजद का निदेश, वजद का संसद में अनुमोदन एवं वजद का विकास, नियंत्रण एवं महालेखा परीक्ष, लोक लेखा समिति, अनुमान समिति।

तृतीय खण्ड

कार्यक प्रशासन : भारतीय लोक सेवकों का वर्गीकरण, अखिल भारतीय सेवकों में महत्त्वपूर्ण प्रशासन, प्रशासन पर नियंत्रण : विभाग, कार्यपालिका व न्यायिक नियंत्रण, प्रशासनिक भ्रांचार, लोक परिवेशनाओं का नियंत्रण, प्रशासनिक सुधार, कार्यक प्रशासन एवं प्रशासन के विशेष संदर्भ में प्रथम प्रशासनिक सुधार आयोग एवं द्वितीय प्रशासनिक सुधार आयोग का तुलनात्मक अध्ययन।

पुस्तकें:

1. एस.आर. माहेश्वरी : भारतीय प्रशासन
2. पी. शर्मा : पब्लिक एडमिनिस्ट्रेशन इन इन्फ्रा
3. समेत अरोड़ा एण्ड रजनी गोयल : इन्फ्रा पब्लिक एडमिनिस्ट्रेशन
4. अस्थी एण्ड अस्थी : भारतीय प्रशासन
5. होशियार सिंह एवं प्रदीप चंदनवाल : भारतीय प्रशासन
6. बी.एल. फांडिया : भारत में लोक प्रशासन
7. पी. डी. शर्मा एण्ड बी.ए. शर्मा : भारतीय प्रशासन
8. राजदर शर्मा : भारत में लोक प्रशासन
9. सुरेंद्र कटरिश्ना : भारत में लोक प्रशासन
10. एस.आर. माहेश्वरी : भारतीय प्रशासन

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JAIPUR
12. **DRAWING & PAINTING**

**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>Fundamentals of Arts</td>
<td>3 hrs.</td>
<td>90</td>
<td>32 1/2</td>
</tr>
<tr>
<td>Practical Paper II</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Part A - Study from object</td>
<td>3 hrs.</td>
<td>45</td>
<td>32 1/2</td>
</tr>
<tr>
<td>Part B - Creative Design</td>
<td>3 hrs.</td>
<td>45</td>
<td></td>
</tr>
<tr>
<td>Submission of Works</td>
<td></td>
<td>20</td>
<td>07</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td>200</td>
<td>72</td>
</tr>
</tbody>
</table>

**Paper I: Fundamental of Art**

Note: The paper consists of two parts -

Part - I: Carries 30 marks and consists of 15 short type questions of 2 marks each.

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

**Section - A**

Meaning and Definition of Art, Importance of Art, Visual and Performing Arts (Painting, Sculpture, Music, Dance and Drama), Various Art Styles – Tribal and Folk Art, Child Art, Classical and Modern Art.

Creative Process – Observation, Perception, Imagination and Creative Expression.

**Section - B**

Elements of Painting – Line, Form, Colour, Tone, Texture, Space.

Principles of Composition – Unity, Harmony, Balance, Rhythm, Dominance, Proportion.

Perspective, Drawing and Rendering.

**Section - C**


**Books Recommended:**

2. Bhartiya Murtikala - Rai Krishna Das, Nagri Pracharini Sabha, Varanasi (Kashi) AD 2030
6. Saga of Indian Sculpture - K.M. Munshi
10. कला के नये स्तर: तत्कालिन साहित्य व चित्रकला, राजस्थान हिंदी साहित्य अकादमी, जयपुर, 2015.

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Paper – II Practical
Part-A

Study from Objects
Medium water colour size ¼ Imp. 3 hrs. duration

A group of objects (not more than four) should be arranged against drapery background with a flat foreground. The objects should include common articles of daily use with fruits and vegetable etc.

Part-B
Creative design
Medium any medium size ¼ Imp. 3 hrs. duration

Two dimensional design should be made giving stress on stylisation, colour-scheme and texture etc.
Practical paper shall have two sessions of three hours each excluding break of one hour.
Submission of practical work Max. Marks 20 Min. Pass Marks 7
(a) 3 plates of pencil shading and 5 plates of study from objects with water colour.
(b) 8 plates of creative design.
(c) A sketch book of not less than 50 sketches.

Note: Submission of 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 by 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 and internal examiner who is the subject teacher of the Department of Drawing and Painting. University may centralize the practical examinations at few well equipped Departments to hold examination economically.

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

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Maximum Marks: 100

**Paper I: Introduction to Sociology**

**Unit I: Understanding Sociology**

**Unit II: Basic Concepts in Sociology.**
Society, Community, Social Group, Institution, Social Structure, Social System, Status and Role, Social Action, Culture, Norms and Values, Associative and Dissociative Social Processes.

**Unit III: Dynamics in Sociology**
Social Stratification: Concept, Forms and Theories (Functional and Marxist), Social Mobility: Concept and Forms, Social Control: Concept and Forms, Social Change: Concept, Forms (Linear and Cyclical), Socialization: Concept, Stages and Theories (Sigmund Freud, G.H. Mead and C.H. Cooley)

**Essential Readings: (in English):**
Essential Readings: (in Hindi):

1. सिंधी, नरेन्द्र कुमार एवं गोर्वामी, वसुधाकर, 2007, समाजशास्त्र विवेचन, जयपुर: राजस्थान हिन्दी ग्रंथ अकादमी

2. आहूजा, राम एवं आहूजा, मुकेश, 2008, समाजशास्त्र विवेचना एवं परीक्षण, जयपुर: रावत प्रकाशन

3. दोषी, एस. एल. एवं जैन पी. सी., 2006, समाजशास्त्र नई दिशाएँ, जयपुर: रावत प्रकाशन

4. सिंह, जे. पी., 2008, समाजशास्त्र : अवधारणाएँ एवं सिद्धांत, नई दिल्ली: प्रेंटिस हाल ऑफ़ इण्डिया प्राइवेट लिमिटेड

5. सिंह, जे. पी., 2008, आधुनिक भारत में सामाजिक परिवर्तन, नई दिल्ली: प्रेंटिस हाल ऑफ़ इण्डिया प्राइवेट लिमिटेड

6. मैकाइवर, आर. एम. एवं पेज चॉल्सर एच. 1992 : समाज (एक परिचयात्मक विश्लेषण), आगरा : रतन प्रकाशन मन्दिर (अनुबद्ध जी. विश्वेश्वरयादू एवं रामपाल सिंह गोद्घार)

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Paper II: Society in India

Unit I: Sociological Understanding of Indian Society
Textual and Field-View Traditions: G.S. Ghurye and M.N. Srinivas,
Civilization and the Marxian Tradition: N.K. Bose and D.P. Mukerji

Unit II: Basic Institutions of Indian Society:
Family, Marriage and Kinship: Meaning and Forms Issues: Continuity and Change.
Caste and Class: Meaning and Forms Issues: Continuity and Change

Unit III: Challenges & Problems Before Indian Society:
Casteism, Communalism, Regionalism, Corruption, Crime Against Women and
Children, Drug Abuse, Problems of Ageing

Essential Readings: (in English):
Ahuja, Ram, 2002: Society in India: Concepts, Theories and Recent Trends,
Jaipur: Rawat Publications.
Mandelbaum, D.G., 1970: Society in India, Bombay: Popular Prakashan
Singh, Yogendra, 1994: Modernization of Indian Tradition, Jaipur: Rawat Publications

**Essential Readings: (in Hindi):**

1. आहुला, राम, 2009, भारतीय सामाजिक व्यवस्था, जयपुर: रावत पब्लिकेशन्स
2. दोषी, एस. एल. 2009, भारतीय सामाजिक विवाह, जयपुर: रावत पब्लिकेशन्स
3. शर्मा, के. एल. 2006, भारतीय सामाजिक संरचना एवं परिवर्तन, जयपुर: रावत पब्लिकेशन्स
4. दोषी, एस. एल. एवं जैन पी. बी. 2002, भारतीय समाज, जयपुर: नेशनल पब्लिकेशन्स हाउस
5. पटेल, तुलसी, 2011, भारत में परिवार: संरचना एवं व्यवहार, जयपुर: रावत पब्लिकेशन्स
6. जैन, शोभिता, 2008, भारत में परिवार, विवाह और नातेदारी, जयपुर: रावत पब्लिकेशन्स

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14. FRENCH

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

PAPER - I: MAXIMUM MARKS: 75
PAPER - II: MAXIMUM MARKS: 75
PAPER - III: MAXIMUM MARKS: 50
TOTAL MARKS: 200

PAPER - I GRAMMAR 75
PAPER - II COMPREHENSION, PARAGRAPH WRITING 75
(a) Two Comprehension passages from the prescribed text 50
Questions on the passages as follows:
  1a) True or false sentences 5 marks
  1b) Examiners should select five words/ verbs from the text and ask the candidates to make five grammatically correct sentences with the help of those words 10 marks
  1c) Fill in the blanks using words from the text 5 marks

(b) Write a short paragraph of about 10 to 15 sentences on any one of the following five themes 25
Topics for the paragraph writing should be:
i) Portrait of a friend
ii) Letter to a friend inviting him to visit your city explaining main attractions of the city
iii) Description of your dream house
iv) Visit to a restaurant / descriptive or dialogue form

PAPER - III Viva-Voce 50

Teaching Material / Books:
1. Echo I
2. Méthode de Français – Editions maison des langues
3. One Compact Disc Level-1 to go with the method

Reference Books:
1. Synchronie-I
2. Larousse compact Dictionary: French-English/ English-French
3. Conjugaison - Le Robert & Nathan
4. Larousse French Grammar
5. Grammaire Collection “Le Nouvel Entraînez vous” level débutant
SYLLABUS FOR THE FIRST YEAR B.A. IN 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: MAXIMUM MARKS: 75
PAPER - II: MAXIMUM MARKS: 75
PAPER - III: MAXIMUM MARKS: 50
TOTAL MARKS: 200

PAPER - I GRAMMAR 75

Grammar portions
Der Artikel, das Nomen und Verb
Personalpronomen
Der Akkusativ und Dativ
Der Imperativ mit >du, Sie, ihr<
Das Präsens von starken Verben
Frasepronomen wer, wen, wem, was
Possessivpronomen
Präpositionen mit dem Dativ und Akkusativ
Modalverben
Wechselpräpositionen
Frasepronomen wo, woher, wohin
Das Präteritum und Perfekt
Reflexivpronomen
Adjektivdeklination
Nebensatz
Komparativ und Superlativ der Adjektive
Passiv und Relativsätze

PAPER SECOND MAX. MARKS 75 DURATION TWO HOURS

COMPREHENSION AND PARAGRAPH WRITING
(c) COMPREHENSION OF THE GIVEN PASSAGES 25 marks each passage
Candidates will be required to read the given two passages and answer the short-answer questions based on the passages – One passage should be from the prescribed text book.


(d) Paragraph writing
Candidates will be required to write one paragraph of about 10 to 15 sentences on one of the below given topics. Examiner to give five topics in the paper.
(vi) My friend
(vii) My house
(viii) My favourite teacher
(ix) My city
(x) My family

PAPER - III Viva-Voce

Recommended Books:

Teste Dein deutsch - 1
Teste Dein Deutsch – 2
Tangram – 1 aktuell 1. Aufl. By Rosa-Maria Dallapizza u.a. Max
Hueber Verlag. Ismaing, 2004
Lagune 1A with work book and CDs
Eindrücke-Einblicke Lehr- und Arbeitsbuch
Deutsche Sprachlehre für Ausländer – Dora Schulz & Heinz
Griesbach
Grammatik der deutschen Sprache by Helbig Buscha

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Examination Scheme in each Year

- 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.

<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 I</td>
<td>Family Resource Management</td>
<td>3hrs</td>
<td>50</td>
<td>18</td>
<td>3</td>
</tr>
<tr>
<td>Practical I</td>
<td>Family Resource Management</td>
<td>3hrs</td>
<td>50</td>
<td>18</td>
<td>2</td>
</tr>
<tr>
<td>Theory Paper II</td>
<td>Foods &amp; Nutrition</td>
<td>3hrs</td>
<td>50</td>
<td>18</td>
<td>3</td>
</tr>
<tr>
<td>Practical II</td>
<td>Foods &amp; Nutrition</td>
<td>3hrs</td>
<td>50</td>
<td>18</td>
<td>2</td>
</tr>
</tbody>
</table>

| Total            |                    |                  | 200            | 72            | 10            |

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University of Rajasthan
## B.A. PART I
### FAMILY RESOURCE MANAGEMENT (THEORY PAPER I)

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

### Objectives:
1. To understand the meaning of resources management concepts related to management.  
2. To apply managerial process to management of time, energy and money.  
3. To understand saving, investment and credit pattern of family.  
4. To increase awareness about consumer problems, rights, responsibilities & protection laws

### Contents:

#### UNIT I
**Housing**  
<table>
<thead>
<tr>
<th>Topic</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Function &amp; family need of housing</td>
<td>1</td>
</tr>
<tr>
<td>2. Principles of house planning: aspect, prospect, grouping of room, roominess, privacy, orientation, circulation, flexibility, spaciousness, aesthetics economy, ventilation services</td>
<td>5</td>
</tr>
<tr>
<td>3. Site selection:</td>
<td>3</td>
</tr>
<tr>
<td>• Vegetation:</td>
<td></td>
</tr>
<tr>
<td>i. size</td>
<td></td>
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<tr>
<td>ii. soil types drainage</td>
<td></td>
</tr>
<tr>
<td>iii. contour (shape)</td>
<td></td>
</tr>
<tr>
<td>iv. orientation</td>
<td></td>
</tr>
<tr>
<td>4. Elements and principles of arts and design as related to interior decoration with specific reference to color and light</td>
<td>6</td>
</tr>
<tr>
<td>5. Floor decoration with use of elementary art</td>
<td>2</td>
</tr>
<tr>
<td>6. Table setting &amp; etiquettes</td>
<td>1</td>
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</tbody>
</table>

#### UNIT II
**Interior designing**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>7. Room arrangement and decoration - arrangement of furniture, furnishings and accessories in various rooms.</td>
<td>5</td>
</tr>
<tr>
<td>8. Kitchen planning, importance of counters, storage, principles, working heights.</td>
<td>5</td>
</tr>
<tr>
<td>9. Selection and care of household equipment (without reference to any specific equipment)</td>
<td>2</td>
</tr>
<tr>
<td>10. Household waste &amp; its management by 3R</td>
<td>3</td>
</tr>
<tr>
<td>11. Flower decoration</td>
<td>4</td>
</tr>
<tr>
<td>• Basic equipments</td>
<td></td>
</tr>
<tr>
<td>• Vases and containers</td>
<td></td>
</tr>
<tr>
<td>• Preparing plant material</td>
<td></td>
</tr>
<tr>
<td>• Shaping an arrangement</td>
<td></td>
</tr>
<tr>
<td>12. Furniture</td>
<td>3</td>
</tr>
<tr>
<td>• Types of furniture</td>
<td></td>
</tr>
<tr>
<td>• Selection use &amp; care</td>
<td></td>
</tr>
</tbody>
</table>
- Arrangement of furniture in various rooms

## UNIT-III
**Resource Management**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>13.</td>
<td>Meaning, definition and importance of home management</td>
</tr>
<tr>
<td>14.</td>
<td>Process of management:</td>
</tr>
<tr>
<td></td>
<td>• planning,</td>
</tr>
<tr>
<td></td>
<td>• Organization,</td>
</tr>
<tr>
<td></td>
<td>• Implementation,</td>
</tr>
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<td></td>
<td>• controlling and evaluation</td>
</tr>
<tr>
<td>15.</td>
<td>Introduction to motivational factor (meaning and types)</td>
</tr>
<tr>
<td></td>
<td>• Values</td>
</tr>
<tr>
<td></td>
<td>• Goals</td>
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<td></td>
<td>• Standards</td>
</tr>
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<td></td>
<td>• Decision Making</td>
</tr>
<tr>
<td></td>
<td>• Resources</td>
</tr>
<tr>
<td>16.</td>
<td>Time management:</td>
</tr>
<tr>
<td></td>
<td>• Tools in time management</td>
</tr>
<tr>
<td></td>
<td>i. Time cost</td>
</tr>
<tr>
<td></td>
<td>ii. Time norms</td>
</tr>
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<td></td>
<td>iii. Peak loads</td>
</tr>
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<td></td>
<td>iv. Work curve and rest periods</td>
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<td></td>
<td>• Process of managing time</td>
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<td>17.</td>
<td>Energy Management:</td>
</tr>
<tr>
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<td>• Process of energy management</td>
</tr>
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<td></td>
<td>• Fatigue</td>
</tr>
<tr>
<td></td>
<td>• Body mechanics</td>
</tr>
<tr>
<td></td>
<td>• Works simplification - Mundel’s Classes of changes</td>
</tr>
<tr>
<td></td>
<td>• Ergonomics: Meaning, importance &amp; its components</td>
</tr>
<tr>
<td>18.</td>
<td>Money Management</td>
</tr>
<tr>
<td></td>
<td>• Family Income: sources &amp; type</td>
</tr>
<tr>
<td></td>
<td>• Budget: Definition &amp; Process of budget making</td>
</tr>
<tr>
<td></td>
<td>• Saving, investment and raising housing loan:</td>
</tr>
<tr>
<td></td>
<td>i. Definition &amp; Objectives</td>
</tr>
<tr>
<td></td>
<td>ii. Channels: bank, insurance, post office</td>
</tr>
<tr>
<td>19.</td>
<td>Consumer problems, rights &amp; responsibilities</td>
</tr>
<tr>
<td>20.</td>
<td>Seeking redressal to consumer problems with special reference to consumer courts</td>
</tr>
</tbody>
</table>

**NOTE:** Seminar presentations on selected topics from unit I and unit II

### References:

4. David H, Bangs Jr. The market planning guides. Gougotera Publishing. 3rd Ed

<table>
<thead>
<tr>
<th>FAMILY RESOURCE MANAGEMENT (PRACTICAL I)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maximum marks:</strong> 50</td>
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<tr>
<td><strong>Minimum marks:</strong> 18</td>
</tr>
<tr>
<td>Teaching workload: 2 practical/ week (2 hours/ practical)</td>
</tr>
<tr>
<td>Total teaching workload: 24 practical/ batch</td>
</tr>
</tbody>
</table>

**Objectives:**

1. To help students understand various banking procedures.
2. To help students understand house planning and interior decoration.

<table>
<thead>
<tr>
<th>Contents</th>
<th>Hours</th>
</tr>
</thead>
</table>

Dy Registrar (Acad.)
1. Project work on money management:
   - How to open various accounts in the bank.
   - Filling up of slips/forms of bank and post office.
     i. Application for draft
     ii. Cheques
     iii. Withdrawal slip
     iv. Money order form
     v. Application for housing loan
   2. Floor decoration: Alpana, Rangoli & Mandana
   3. Flower arrangement: fresh and dry arrangements.
   4. Table setting
   5. Best out of waste (one article)
   7. House plans:
      - For various income groups (LIG, MIG, HIG)
        i. Drawing of architectural symbols of house plan
        ii. Architectural symbols of electricity plan
        iii. Furniture symbols
      - Rooms (making any one paper model)
        i. Drawing Room
        ii. Dining cum leaving room
        iii. Children study room
        iv. Bed room
        v. Pooja Room
      - Kitchen planning (making any one paper model)
        i. One wall
        ii. Two wall
        iii. L shape
        iv. U shape

Examination scheme:

Total Marks: 50 marks

1. Major: house plan/paper plan of rooms/paper plan of kitchen: 20 marks
2. Minor - I: Table setting/flower arrangement: 10 marks
   Minor - II: Floor decoration/cleaning/filling of forms: 10 marks
3. Internal: 10 marks

FOODS & NUTRITION (THEORY PAPER II)

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

Objectives:
1. To give knowledge about basics of nutrition, nutrients and metabolism.
2. To give knowledge about meal planning for families and individuals.
3. To give knowledge about Normal & Therapeutic nutrition.
4. To give knowledge about Nutritional problems of public importance.
<table>
<thead>
<tr>
<th>Unit I</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>1. Definition of Food and Nutrition, 5 basic Food groups, Balanced diet</td>
<td>1</td>
</tr>
<tr>
<td>2. Functions of food :</td>
<td></td>
</tr>
<tr>
<td>• Physiological – Hunger, Appetite, Satiety.</td>
<td></td>
</tr>
<tr>
<td>• Psychological</td>
<td></td>
</tr>
<tr>
<td>• Social, Economic, Cultural.</td>
<td></td>
</tr>
<tr>
<td>3. Functions, sources, Effect of deficiency, Daily allowances of :</td>
<td>6</td>
</tr>
<tr>
<td>• Macro Nutrients</td>
<td></td>
</tr>
<tr>
<td>• Carbohydrates</td>
<td></td>
</tr>
<tr>
<td>• Proteins</td>
<td>12</td>
</tr>
<tr>
<td>• Fats</td>
<td></td>
</tr>
<tr>
<td>• Micro Nutrients</td>
<td></td>
</tr>
<tr>
<td>i. Minerals – Calcium, Iron, Iodine, Fluorine</td>
<td></td>
</tr>
<tr>
<td>ii. Vitamins</td>
<td></td>
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<tr>
<td>Water Soluble – B complex vitamins, Vitamin C</td>
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<tr>
<td>Fat soluble—A, D, E &amp; K</td>
<td></td>
</tr>
<tr>
<td>• Water Balance</td>
<td></td>
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<tr>
<td>• Energy Metabolism</td>
<td></td>
</tr>
<tr>
<td>i. Unit of measurement of energy, definition of calorie, Kilocalorie.</td>
<td></td>
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<tr>
<td>ii. Gross &amp; Physiological fuel value of food.</td>
<td></td>
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<tr>
<td>iii. BMR and factors affecting BMR/ Energy requirement (RDA) and factors affecting energy requirement.</td>
<td></td>
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<tr>
<td>Unit II</td>
<td>8</td>
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<tr>
<td>4. Meal Planning</td>
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</tr>
<tr>
<td>• Advantages &amp; importance of meal planning.</td>
<td></td>
</tr>
<tr>
<td>• Goals of meal planning</td>
<td></td>
</tr>
<tr>
<td>i. Food budget-factors affecting food budget, budgets for low, moderate &amp; liberal incomes</td>
<td></td>
</tr>
<tr>
<td>ii. Matching meals to time &amp; energy</td>
<td></td>
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<tr>
<td>iii. Other factors –taste, aroma, flavour, texture, temperature, traditions, likes &amp; dislikes.</td>
<td></td>
</tr>
<tr>
<td>• Factors affecting meal planning.</td>
<td></td>
</tr>
<tr>
<td>• Factors affecting food intake.</td>
<td></td>
</tr>
<tr>
<td>5. Normal Nutrition -- Nutritional requirements, physiological demands, problems, dietary guidelines for :</td>
<td>16</td>
</tr>
<tr>
<td>• Pregnancy</td>
<td></td>
</tr>
<tr>
<td>• Lactation</td>
<td></td>
</tr>
<tr>
<td>• Infancy (with special emphasis on breastfeeding &amp; complementary feeding)</td>
<td></td>
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<tr>
<td>• Preschool child</td>
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<tr>
<td>• School going child</td>
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<tr>
<td>• Adolescent</td>
<td></td>
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<tr>
<td>• Adult</td>
<td></td>
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<tr>
<td>• Elderly person</td>
<td></td>
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</tbody>
</table>
Unit III

6. Therapeutic Nutrition

- Modification of normal diet to therapeutic diet.
- Dietary management of the following:
  i. Obesity
  ii. Under weight
  iii. Diseases of the gastrointestinal tract – Diarrhoea, Constipation, dyspepsia/Indigestion
  iv. Fevers
  v. Liver – Jaundice
  vi. Diabetes
  vii. Hypertension

7. Nutritional Problems of Public Health Importance and their management:
- Protein Energy Malnutrition
- Anaemia
- Fluorosis
- Vitamin A deficiency
- Iodine Deficiency Disorder

References:
2. Srilakshmi, B. Food Science, new Age International (P) Ltd. Publishers, New Delhi,
3. Swaminathan MS(2010) Aahār evam Poshan, NR Brothers,MY Hospital Marg, Indore,

FOODS AND NUTRITION (PRACTICAL II)

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

<table>
<thead>
<tr>
<th>Contents</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Methods of cooking: - Preparation of any four dishes using the following methods of cooking</td>
<td>6</td>
</tr>
<tr>
<td>• Boiling – for e.g. Rice, Tea, Coffee</td>
<td></td>
</tr>
<tr>
<td>• Steaming – Idli, Dhokla, Muthia</td>
<td></td>
</tr>
<tr>
<td>• Simmering – kheer, rabadi, kadhi, custard, stews- apple &amp; pear</td>
<td></td>
</tr>
</tbody>
</table>
Frying

i. Shallow – cheela, parantha, tikki

ii. Deep – pakoda, mathri, samosa, kofta etc.

- Baking – cake, biscuit, nan khatai

- Roasting – papad, moongphali (groundnuts)

2. Preparation of Beverages – Tea (hot & iced), Coffee (Hot & cold), chhaach, lassi, milk shakes, fruit punch (using squashes, fresh fruits), lemonade, jaljeera, aamla shake, aam panna, mocktails(2), mirinda shake.

3. Cereal cookery – chapati, puri (plain, missi), parantha (stuffed, plain), cheela, bhatura, rice (plain, pulao, sweet), khichdi, daliya. Upma, halwa, baati, choorma, mathri (namak para, shakkar para), chowmein, pizza, sandwiches (open, toasted, vegetable)

4. Legumes & pulses-daal (plain & daal fry), rajma, chhole, dal makhani. Kadhi, mangodi, dahivada, dal pakodi, besan pakodi, sprout chaat, dal halwa.

5. Vegetables-Dry Vegetables (for e.g. aalu gobi, methi aalu, arbi, bhindi), stuffed vegetables (bhindi, capsicum), vegetables with gravy (dahi aalu, malai kofta, gatta, dum aalu, kadhal panner, shahi pancer), baked vegetables.


7. Soups-clear & cream including Indian soups-palak, tomato, mixed veg, minestrone, sweet corn, pea soup, lentil, raabri.

8. Salads-tossed, fruit salad, sprout salad, kosambri, corn, chana, pasta salad, salad dressing, (mayonnaise, lemon, vinegar).

9. Savory food preparation – dosa, uttapam, mixed veg cutlets, hara bhara kabab, burger, samosa, kofta, kachori, spring rolls, vada pav bhaji, sago khichri, bhel puri

10. Sweets – jalebi, sandesh, gulab jamun, laddu, coconut barfi, gujiya, petha roll,
11. Meal planning for

- Pregnant woman
- Lactating woman
- Packed lunch for school going child adult man / woman
- Elderly

12. Plan dishes rich in

- Energy
- Protein
- Calcium
- Iron
- Vitamin A / β carotene

**Examination scheme:**

Total Marks: 50 marks

1. **Major problem** - 25 marks

   Meal Planning and preparation of one dish for any one of the following
   - Pregnant woman
   - Lactating woman
   - Packed lunch for school going child adult man / woman
   - Elderly

2. **Minor Problem** - 15 marks

   Preparation of one dish from
   - Any one method of cooking
   - Any one food group (cereals, vegetable, milk etc.)

3. **Internal** - 10 marks
TEXTILE-CRAFT

Scheme:

<table>
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<tr>
<th></th>
<th>DURATION</th>
<th>MAX.MARK</th>
<th>MIN.MARK</th>
</tr>
</thead>
<tbody>
<tr>
<td>(i) Theory: One paper</td>
<td>3Hrs</td>
<td>60</td>
<td>22</td>
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<tr>
<td>(ii) Practical:</td>
<td>5Hrs</td>
<td>80</td>
<td>28</td>
</tr>
<tr>
<td>(iii) Submission:</td>
<td></td>
<td>60</td>
<td>22</td>
</tr>
</tbody>
</table>

Syllabus (Theory):

Part- A
1. Introduction to Textiles
2. Definition of fibre, Properties of fibre
3. Classification of fibre
4. Natural fibres
5. Yarn manufacture by Takli and Charkha

Part- B
1. Warp and Weft, Difference between warp and weft
2. Handloom, Parts of Handloom
3. Warp path on Handloom
4. Motion of Handloom (primary & secondary)
5. Elementary Weaves (Basic weaves): Plain, Twill, Satin & Sateen

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR
Part- C

1. Concept of colours, colour scheme, Achromatic & Monochromatic colour
2. Dyes and Pigments (colourless dyes)
3. Classification of Dyes
4. Fabric finishes- Introduction and Importance
5. Dyeing process of Tie and Dye

Syllabus (Practical):

Samples preparation

(i) Tie and Dye (Ball shape, plated & folded, leharia and bandhej)
(ii) Elementary weaves (plain, twill, satin and sateen) on graph paper
(iii) Primary colour, secondary colour, colour scheme, achromatic & monochromatic colour
(iv) Hand painting
(v) Stencil cutting on paper

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR
SECTION A: Textile Technology

1. General properties of: Natural Fibers – cotton, wool, silk, 
   Regenerated - Rayon, Acetate 
   Synthetic Fibers – Nylon, Acrylic

2. Fibers to yarn: The basic processes involved in making 
   Yarns including Blending, carding, 
   combing, mechanical and chemical spinning 

3. Fabric construction: Weaving: plain, Twill, & satin weave

4. Fabric Finishes: Elementary knowledge of calendaring, 
   mercerization and tentering

SECTION B: Traditional Textile

5. Knowledge of hand woven fabrics: Dacca muslin, jamdani, chanderi, brocade, 
   baluchari, kashmiri shawls, doria, kanjivaram


7. Printed Fabric: kalamkari, madhubani

8. Traditional embroideries of India:
   (a) kashida of Kashmir
   (b) kasuti of karnataka
   (c) Manipuri
   (d) chamba rumal
(e) Kantha of Bengal
(f) Phulkari of Punjab
(g) Chikankari of Lucknow

SECTION - C
SELECTION CRITERIA

9. Selection of suitable fabrics for infants, toddlers, pre school children, school going children, adolescents, adults and special needs

10. Buying criteria for readymade garments, definition, origin & evolution of ready to wear garments

References:
1. Corbman, Textiles fibre to fabric
2. Phyllis G. Tortora, Understanding Textile.
3. Naik, Traditional Embroideries of India.
4. Bhatnager, Paul, Traditional Indian Costumes and Textiles.

B.Sc./B.A./B.Com. Part - I

PAPER - II

BUSINESS AND GARMENT INDUSTRIES

B.A./B.Com. - M.M. 60
B.Sc. - M.M. 50

HRS. - 3

Dy. Registrar (Acad.)
University of Rajasthan
Jaipur
SECTION A

1. Meaning and scope of business with special reference to garment export trade in India.

2. The important factors to be considered at the same time of commencement of business - legal, economical, and social.

3. Different types of business-
   (a) individual organization
   (b) partnership
   (c) co-operative
   (d) public sector
   (e) company

4. Objectives, importance and utility of bookkeeping.

SECTION B

MERCHANDISING THEORY

5. Introduction to fashion merchandising: merchandising planning, scheduling, buying and evaluation.


7. Careers in Apparel industries.

SECTION C

GARMENT INDUSTRY

8. Project planning for garment production unit.

9. Production and storage space, laundry area of garment industry.

10. Site selection for unit.


References:

Dy. Registrar (Acad.)
University of Rajasthan
Jaipur
1. Kaplan S. Robert, Anthen A. 'Alkinson management'
2. Frings Stephens Gim, fashion from concept to consumer.
3. Jindal, Ritu, handbook of fashion

B.A./B.COM./B.SC. PART -I
PRACTICAL -I
BASICS OF SEAMS AND EMBROIDERIES

B.A./B.COM.—M.M.  80  HRS.  4
B.SC.—M.M.  50

1. Decorative samples:
   - Lace edging - (machine)
   - Gathers -(machine), darts
   - Pleats - knife, box, inverted box
   - Frills - one side, two sided
   - Tucks - pin, cross, shell
   - Fasteners - hook, tich button, shirt button, kaaj, loop with button, zip
   - Basic seams - Basting (even, uneven, bakhiya, blanket)
   - Hems - visible, invisible
   - Plackets - continuous, two piece
   - Pockets - patch, bound, inseam, kurta
   - Piping and facings

2. Basic Embroidery stitches:
   - Chain, stem, running, lazy-dazy, satin, herring- bone, buttonhole, bullion, feather
   - Patch and appliqué work.

3. Make samples of following traditional embroideries:
   - Kashida, kantha, kasuti, phulkari, chamba rumal, chikankari, embroidery of kutch.

4. Taking body measurements and knowledge of standard measurements from child
   to adults.

5. Design and prepare an article of embroidery/stitching sample.

Dv. Registrar (Acad.)
19. INVESTIGATIVE BIO-TECHNOLOGY

Paper I: Bio-Chemistry and General Bacteriology

Max. Marks 60  3 hrs. duration  Min. Pass Marks 22
Teaching Periods 60

Section - A: Bio-Chemistry (Teaching Period 30)

1. Introduction and Scope of Bio-Chemistry.
3. pH, Buffers types and their uses.
4. Mole, Molar and normal solutions, concentration units.
5. Classification and metabolism of Carbohydrates, Lipids, Proteins, Nucleic acids and Nucleo proteins.
6. Introduction of Vitamins and Enzymes; Clinically important Enzymes and their estimation.
7. Metabolism of inorganic substances like Iodine, Phosphorous, Copper, Iron and Calcium.
8. Electrolytes in various tissue fluids in health and disease.

Section - B General Bacteriology (Teaching Period 30)

1. Microbial World.
2. Structure of bacterial cell; functions of cell organelles.
3. Sterilization and disinfection.
4. Culture media.
5. Cultivation of Bacteria.
6. Identification methods in bacteriology.

Paper II - Elementary Anatomy, Physiology and Haematology
Max. Marks 60  3 hrs. duration  Min. Pass Marks 22
Teaching Periods 60

Section-A: Elementary Anatomy and Physiology
(Teaching Period 30)

1. Introduction to human body.
2. Important landmarks in surface anatomy for L.M. and I.V. injection in adults, children and infants
3. Musculo- Skeleton and Respiratory system.
6. Urinary System.
7. C.N.S. (Central Nervous System) and A.N.S. (Autonomic Nervous System)
8. Endocrines and Reproductive system.
9. Skin and temperature regulation.

Section-B: Haematology (Teaching Period 30)
1. Structure of cell and cell division.
2. Blood forming tissues and Bone-marrow.
3. Formation of RBCs, granulocytes, Mononuclear cells, Platelets and their normal counts.
5. Anaemias-classification, diagnosis.

Practicals
Max. Marks 80  (52x3 periods)  Min. Pass Marks 28

Unit-I: Bio-Chemistry
2. Cleaning of Glassware, weighing and measuring volumes.
3. Making and testing of distilled water.
4. Importance of calibration of glass apparatus used in estimation.

Dy. Registrar (Acad.)
University of Rajasthan
TAIPUR
5. Collection, coding, preservation and disposal of biological specimen material for biochemical analysis.
7. Bio-chemical estimation of-
   (a) Sugar       (b) Urine
   (c) Stool       (d) Protein
   (e) A.G. ratio.

Unit-II General Bacteriology and Hematology

General Bacteriology:
1. Introduction to microscopy, various types of microscopes and their uses.
2. Wet bacterias mount and hanging drop preparation and dark field examination.
3. Preparation of smears for bacterial examination and Gram's Stain.
4. Preparation of various stains.
5. Staining of Smears-Sputum C.S.F. Body fluids, pus, aspiration.

Hematology:
1. Collection of blood from various sites in adult and children.
2. Cleaning of slides and cover slips and identification of various pipettes and their cleaning.
3. Making of stains used in Hematology.
4. Staining and examination of blood films.
5. Differential RBC and WBC counts.
Mathematics

Teaching: 3 Hours per Week per Theory Paper.
2 Hours per Week for Practicals

<table>
<thead>
<tr>
<th>Examination: Min. Pass Marks</th>
<th>Max. Marks</th>
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<tbody>
<tr>
<td>Scheme:</td>
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<tr>
<td>Science – 54</td>
<td>150</td>
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<tr>
<td>Arts – 72</td>
<td>200</td>
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<tr>
<td>Paper – I</td>
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</tr>
<tr>
<td>Discrete Mathematics</td>
<td>3 hrs.</td>
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<tr>
<td>Paper – II</td>
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<tr>
<td>Calculus</td>
<td>3 hrs.</td>
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<tr>
<td>Paper – III</td>
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<tr>
<td>Analytic Geometry and</td>
<td>3 hrs.</td>
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<tr>
<td>Optimization Theory</td>
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<tr>
<td>Practical</td>
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<tr>
<td>Optimization Techniques</td>
<td>2 hrs.</td>
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Note:

1. 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.

2. 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.

3. An Internal/external examiner can conduct Practical Examination of not more than 100 (Hundred) Candidates.

4. Each candidate has to pass in Theory and Practical examinations separately.

Dy. Registrar (Acad.)
University of Rajshahi
Paper - I: Discrete Mathematics
Teaching: 3 Hours per Week
Duration of Examination: 3 Hours

Max. Marks: 40 (Science)
53 (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: Sets, Cardinality, Principal of inclusion and exclusion, Mathematical induction, Relations and Functions- Binary relations, Equivalence relations and Partitions, Partial ordered relations and Lattices, Chains and Antichains, Pigeon Hole principle.

Unit 2: Boolean Algebras- Lattices and Algebraic structure, Duality, Distributive and Complemented Lattices. Boolean Lattices, Boolean functions and expressions. Fundamental theorem of arithmetic, divisibility in Z. Congruences, Chinese Remainder Theorem, Euler’s \( \phi \)-function, primitive roots.


Reference Books:

2. N. Deo, Graph Theory with Applications to Computer Science, Prentice-Hall of India.

Dy. Registrar (Acad.)
University of Rajasthan
Paper- II: Calculus
Teaching: 3 Hours per Week
Duration of Examination: 3 Hours

Max. Marks: 40 (Science)
            53 (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: Series – Infinite series and Convergent series. Tests for convergence of a series – Comparison test, D’Alembert’s ratio test, Cauchy’s n-th root test, Raabe’s test, De-Morgan-Bertrand’s test, Cauchy’s condensation test, Gauss’s test. (Derivation of tests is not required). Alternating series. Absolute convergence. Taylor’s theorem. Maclaurin’s theorem. Power series expansion of a function. Power series expansion of \( \sin x, \cos x, e^x, \log(1+x), (1+x)^n \).


Unit 5: Areas, Rectification, Volumes and Surfaces of solids of revolution.

Reference Books:

Paper-III: Analytic Geometry and Optimization Theory
Teaching: 3 Hours per Week
Duration of Examination: 3 Hours
Max. Marks: 40 (Science)
54 (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: Polar equation of conics, Polar equation of tangent, normal and asymptotes, chord of contact, auxiliary circle, director circle of conics

Unit 2: Sphere, Cone.

Unit 3: Cylinder, Central Conicoids – Ellipsoid, Hyperboloid of one and two sheets, tangent lines and tangent planes, Direct sphere, Normals.

Unit 4: Generating lines of hyperboloid of one sheet and its properties. Reduction of a general equation of second degree in three-dimensions to standard forms.


Reference Books:

Practical: Optimization Techniques
Teaching: 2 Hours per Week

<table>
<thead>
<tr>
<th>Examination:</th>
<th>Duration: 2 Hours</th>
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<tbody>
<tr>
<td>Scheme</td>
<td>Science</td>
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<tr>
<td>Max.Marks</td>
<td>30</td>
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<tr>
<td>Min.Pass Marks</td>
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Distribution of Marks:

Two Practicals one from each group

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<tr>
<th>10 Marks each</th>
<th>20 Marks</th>
<th>(13 Marks each)</th>
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<tr>
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<tr>
<td>Viva-voce</td>
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</tbody>
</table>

Group A: Modelling of industrial and engineering problems into LPP and its dual and their solution by Simplex Method.

Group B: Modelling of industrial and engineering problems into Assignment Problems and Transportation Problems and their solutions.

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.

Dy. Registrar (Acad.)
University of Rajasthan
Jaipur
## Scheme:

<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>
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<tr>
<td>Science</td>
<td>54</td>
<td>150</td>
</tr>
<tr>
<td>Paper – I</td>
<td>Micro Economic Theory</td>
<td>Arts 100</td>
</tr>
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<tr>
<td>Paper – II</td>
<td>Indian Economy</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Science 75</td>
</tr>
</tbody>
</table>

### 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.

Dy. Registrar (Acad.)
University of Rajasthan
Jaipur
Paper 1- Micro Economic Theory

Section – A


Section – B


Section – C

Marginal Productivity Theory of Distribution Factor Pricing under Perfect and Imperfect Competition in labour Market. Ricardian Theory of Rent. Modern Theory of Rent and Quasi-

Books Recommended:

4. एच एल आहुजा: उच्चतर आर्थिक विज्ञान, एस. चांड एंड कंपनी, नई दिल्ली।
5. लक्ष्मीलाल राय: व्यवसायिक विज्ञान, संस्कृतिविज्ञान, संपादित: अधिकारी, जयपुर।

Reference Books:


Paper – II Indian Economy

Section – A


Section – B

Foreign Trade: Size, Composition and Direction; Recent Trends in India's Foreign Trade;
Foreign Trade Policy.

Section - C

Planning in India: Objectives of Five Year Plans, Review of Economic Progress under the
Plans. A Comprehensive Study of the latest Five Year Plan. NITI Aayog, National
Development Agenda. Problems of Poverty; Unemployment, Inflation and Regional
Inequalities; Rural Development Programmes and Policy; Sectoral Reforms in Infrastructure
after 1991.

Books and References:

1. Rudra Datt and K.P.M. Sundaram: Indian Economy (Hindi & English), S. Chand,
   New Delhi.
   Delhi.

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR
22. Geography

Scheme of Examination

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Min. Pass Marks</th>
<th>Max. Marks</th>
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<tbody>
<tr>
<td>Arts/Social Science</td>
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<td>200</td>
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<tr>
<td>Science</td>
<td>54</td>
<td>150</td>
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<tr>
<td>Paper I</td>
<td>Physical Geography</td>
<td>Arts 75</td>
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<td>Science 50</td>
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<td>Paper II</td>
<td>Geography of Rajasthan</td>
<td>Arts 75</td>
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<td></td>
<td></td>
<td>Science 50</td>
</tr>
<tr>
<td>Practical</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Arts 50</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. Each theory paper will have a teaching of 4 hours per week.

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.

4. Q. No. 1 of 20% marks of the maximum marks be set in two parts.
   
   (a) Part (a) will have ten items for locating on a map (to be supplied by examination centre) carrying 10% marks of the maximum marks and candidates shall attempt any five items.
   
   (b) Part (b) will have 10 short answer questions carrying 10% marks of the maximum marks and candidates shall attempt any five items.

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

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

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

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

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

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University of Rajasthan
SYLLABUS

Paper I: Physical Geography

Section A

Definition, scope and development of physical geography, geological history of the Earth; zoning of Earth’s interior, rocks, origin of continents and oceans; continental drift theory and plate tectonics; concept of isostasy: views of Airy, Pratt, Joly and Holmes. Earth movements: epeirogenic and orogenic; mountain building theories: Kober, Jeffreys, Daly, Joly and Holmes and plate tectonics; denudation, cycle of erosion: views of W. M. Davis and W. Penck, erosional and depositional topographies: river, under groundwater, glacier, wind and oceanic waves.

Section B

Composition and structure of the atmosphere, insolation, air temperature, air pressure, pressure belts and planetary winds, monsoon and local winds, humidity, classification of clouds and precipitation, air masses, fronts and cyclones: tropical and temperate, classification of the world climates: Koppen and Thorthwaite, general climatic classification.

Section C

Surface configuration of oceans bottom: Pacific, Atlantic and Indian oceans, ocean deposits, horizontal and vertical temperature of oceans, oceanic salinity, tides, oceanic waves and currents, coral reefs and their origin: views of Darwin and Dana, W. M. Davis, Murray, classification of marine resources, biosphere and its components, ecosystems, plant community and animal kingdom, biomes: equatorial rainforest, monsoon, savanna and temperate grasslands.

Recommended Readings:

चौहान, वी.एस. व गौतम, ए. 2005, भौतिक भूगोल (जीवविज्ञान सहित)। रस्तोंगी प्रकाशन, मेरठ।
दयाल, पी. 2012, भौतिक भूगोल। राजेश प्रकाशन, नई दिल्ली।
गौतम, अलका, 2012: भौतिक भूगोल। रस्तोंगी प्रकाशन, मेरठ।


सिंह, सनिद्रा, 2005: भौतिक भूगोल। तारा प्रकाशन, बागपत।
सिंह, संविद्या, 2011: भौतिक भूगोल का स्वरूप। प्रयाग पुस्तक भवन, इलाहाबाद।

सर्मा, एच.एस., शर्मा, एम. एल. एण्ड मिश्रा, आयु.एन. 2008: भौतिक भूगोल। पंवरीशोल प्रकाशन जयपुर।


Paper II: Geography of Rajasthan

Section A

Physical aspects of Rajasthan: geological structure, relief, climate, drought, drainage, natural vegetation. Environmental pollution - causes and types; desertification, soils, soil erosion and conservation; availability, problems and conservation of water resources.

Section B

Mineral resources: distribution and production; Power and energy resources: distribution and production (hydro-electricity, coal, petroleum, solar energy and bio-energy) irrigation sources, irrigation intensity, crop wise irrigation, quality of irrigation water problems, irrigation projects: detailed study of Indira Gandhi canal project, Chambal valley project, Mahi Bajaj Sagar projects on physical and socio-economic aspects, agriculture: development under five year plans, problems of agriculture development, general land use, live-stock and dairy development, minerals.

Industries: textile, sugar, cement, marble and granite, fertilizer, zinc and copper smelting.

Transport & trade, development of tourism, desert development programme, tribal areas development programme, Aravalli hill development programme.

Section C

Cultural and development aspects: population-number, growth, distribution and density, rural and urban, male and female population, literacy status, occupational structure, schedule castes and schedule tribes, population problems, study of bhi, meena and gerasia.

Settlement pattern: types of settlements, building materials and house types in Rajasthan with examples, factors affecting settlement.

Recommended Readings:

Lodha, R. & Maheshwari, D. 2001: Geography of Rajasthan. Shahitya Bhawan Publication, Hospital Road, Agra

नायुक्त, एल.एन., 2012.13: राजस्थान की अर्थव्यवस्था | कॉलेज बुक हाउस, जयपुर।
Saivat, स्नेह 2012: राजस्थान का भूगोल। कॉलेज बुक हाउस, जयपुर।
Sing, R.L. 1971 (ed.): India A Regional Geography NGSI, Varanasi.
Dy. Registrar (Acad.)
University of Rajasthan
Practicals

Scheme of Examination

Min. Pass Marks: 18
Bifurcation of Marks
Written test 24
Field Survey and Viva voce 10+04
Record and Viva voce 08+04
Max. Marks: 50
Time
3 hrs.
2 1/2 hrs.

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. Each practical batch of 30 students will be allotted a teaching of 4 hours per week for practicals.

SYLLABUS

Section A

Definition and types of scale: simple, comparative, diagonal.
Graph: line graph, bar graph, combined line and bar graph, hythergraph and climograph;
climatograph, water budget graph, wind rose.
Weather maps: weather symbols, representation of atmospheric features, interpretation of
Indian daily weather maps (July and January), weather instruments.

Section B

Methods of showing different relief features: hachures, hill shading, bench mark, spot
heights, formlines, contours and drawing of cross sections (conical hill and plateau, types of
slopes, valleys, ridge and saddle, gorge, waterfall and rapids, escarpment, lake, spur, col,
meanders and cliff).
Profiles- serial, superimposed, projected and composite.

Section C

Surveying: meaning, classification and significance.
Chain and tape surveying: open and closed traverse.

Recommended Readings:

Singh, L.R. 2006: Practical Geography. Prayag Pustak Publisher, Allahabad U.P.
New Delhi.
23. STATISTICS

<table>
<thead>
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<th>Scheme</th>
<th>Duration</th>
<th>Max Marks</th>
<th>Min. Pass Marks</th>
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<tr>
<td></td>
<td></td>
<td>Sc.</td>
<td>Arts</td>
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<tr>
<td>Paper- I</td>
<td>3 hrs.</td>
<td>50</td>
<td>65</td>
</tr>
<tr>
<td>Paper-II</td>
<td>3 hrs.</td>
<td>50</td>
<td>65</td>
</tr>
<tr>
<td>Practical</td>
<td>3 hrs.</td>
<td>50</td>
<td>70</td>
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<tr>
<td>Total</td>
<td></td>
<td>150</td>
<td>200</td>
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</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.

Paper- I Probability Theory


Unit V. Univariate Continuous Distributions and their properties: Rectangular Distribution, Normal Distribution, Idea of Exponential Distribution, Cauchy Distribution, Gamma Distribution, Beta Distribution.

References

Additional References

Paper II: Descriptive Statistics

Unit I. Types and Presentation of Data: Concepts of a statistical population and data. Qualitative and Quantitative data; discrete and continuous data; frequency and non-frequency data. Geographical & Chronological Data. Primary Data and Secondary Data. Tabular presentation of data—Construction of tables, Types of tables. Frequency distribution - Discrete, grouped, continuous and cumulative Graphical presentation of data- Histogram, frequency polygon, fre-
quency curve and ogives.

Unit II. Statistical analysis of Quantitative Data: Different types of scales: nominal, ordinal, intervals and ratio, Univariate Data.

Measures of central tendency, dispersion, moments and its computation from data. Absolute and relative measures of skewness and kurtosis based on quintiles and moments. Sheppard's Correction for moments (without Proof).

Unit III. Curve fitting and Theory of Attributes: Principle of least squares, fitting of straight line, parabola and curves reducible to straight line (exponential and power curve). Class frequency, order of a class frequency, ultimate class frequency, consistency of data, independence and association of attributes. Various measures of association.

Unit IV. Statistical Analysis of Bivariate Data: Correlation analysis-scatter diagram, Karl-Pearson's coefficient of correlation and its properties. Correlation of bivariate frequency distribution, Spearman rank correlation. Regression analysis-Fitting of regression lines, regression coefficients and their properties.


References


Additional References


Paper III. Practical Paper:
1. Exercise on mathematical expectations and finding Mean, Variance, Skewness and kurtosis of Univariate probability distributions.
2. Fitting standard univariate discrete and continuous probability distribution.
4. Presentation of data through Frequency Table, and Graphs.
5. Calculation of Measures of Central tendency, Dispersion, moments and Skewness and Kurtosis.
6. Computation of Correlation Coefficient of bivariate data and bivariate frequency distribution table.
7. Regression of two-variables.
8. Fitting of curves by the least square method.
11. Interpolation Problems based on Newton and Langrange's Formulae.

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR
### APPLIED STATISTICS

<table>
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<th>Scheme:</th>
<th>No. of hrs. per week</th>
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<th>Arts</th>
<th>Min. Pass Marks Sc.</th>
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<tr>
<td>Paper- 1</td>
<td>3 hrs.</td>
<td>50</td>
<td>65</td>
<td>-</td>
<td>24</td>
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<tr>
<td>Paper- II</td>
<td>3 hrs.</td>
<td>50</td>
<td>65</td>
<td>-</td>
<td>24</td>
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<tr>
<td>Paper-III (Practical) 4 hrs.</td>
<td>50</td>
<td>70</td>
<td>18</td>
<td>24</td>
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<tr>
<td>Total</td>
<td>10 hrs.</td>
<td>150</td>
<td>200</td>
<td>54</td>
<td>72</td>
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</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.

**Paper-1: Probability Theory**

**Unit I:** Functional relationship between two variables, Polyno-


References:

Additional References:

Paper II: Descriptive Statistics
(The course contents are same as that of Subject-Statistics)

Paper III. Practical Paper:
1. Exercise on mathematical expectations and finding Mean, Variance, Skewness and kurtosis of Univariate probability distributions.
2. Fitting standard univariate discrete and continuous probability distribution.
4. Presentation of data through Frequency Table, diagrams and Graphs.
6. Computation of Correlation Coefficient of bivariate data and bivariate frequency distribution table.
7. Regression of two variables.
8. Fitting of curves by the least square method.
11. Interpolation Problems based on Newton and Langrange's Formulae.

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University of Rajasthan
JAIPUR
SCHEME OF EXAMINATION:

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<th>Faculty</th>
<th>Max. Marks</th>
<th>Min. Passing Marks</th>
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<tr>
<td>Arts</td>
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<td>Science</td>
<td>150</td>
<td>54 (Th.36 Pr.18)</td>
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<th>Duration</th>
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<td>Arts</td>
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<tr>
<td>I</td>
<td>Basic Psychological Processes</td>
<td>3 Hrs.</td>
<td>75</td>
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<tr>
<td>II</td>
<td>Social Psychology</td>
<td>3 Hrs.</td>
<td>75</td>
</tr>
<tr>
<td>III</td>
<td>Practicals</td>
<td>3 Hrs.</td>
<td>50</td>
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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 students 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>
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<tr>
<th>Section</th>
<th>No. of Questions</th>
<th>Marks</th>
<th>Total</th>
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<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></td>
<td><strong>Total Marks</strong></td>
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<td><strong>75</strong></td>
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### SCIENCE

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<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>
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<td><strong>Total Marks</strong></td>
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<td><strong>50</strong></td>
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2. Use of simple calculator will be allowed for statistical portions of all papers.

Paper-I

Basic Psychological Processes

**Section-A**

1. Introduction: Definition and Goals of Psychology; History: Structuralism, Functionalism, Behaviourism, Gestalt and Psychoanalysis; Modern Perspectives: Biological, Psychodynamic, Behavioural, Cognitive, Humanistic, Evolutionary and Socio-cultural; Methods: Observation, Case Study, Surveys and Experimental.


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Section-B


5. Memory: Definition; Encoding, Storage and Retrieval Processes; Models- Level of Processing, Parallel Distributed Processing and Information Processing- Sensory, Short Term and Long Term Memory; Forgetting- Nature and Causes.


Section-C


8. Intelligence: Definition and Theories- Spearman, Guilford, Cattell, Sternberg, Gardner; Meaning of IQ; Intelligence Tests.

9. Personality: Definition; Type Theories and Trait Theories - Allport, Cattell, McCrae and Costa; Personality Assessment- Self-report Inventories, Projective Tests and Behavioural Assessments.

Books Recommended:


- सिंह, अरुणकुमार (2002). आधुनिक सामाजिक मनोविज्ञान. नई दिल्ली, मोतीलाल वनारसीदास।

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Paper-II

Social Psychology

Section-A


Section-B


5. Interpersonal Attraction: Proximity and Affective basis, Acquaintance and Need to Affiliate; Effects of Observable Characteristics, Similarity and Mutual liking.

6. Leadership: Definition and Functions; Types of Leadership. Trait, Situational and Contingency Approaches.

Section-C


Dy. Registrar (Acad.)
Books Recommended:

- अरुण कुमार सिंह (2002) : समाज मनोविज्ञान की स्थिरता मोतिलाल बनारसीदास, दिल्ली।

Paper-III

Practicals

1. Human Maze Learning
2. Measurement of Intelligence (Performance Test)
3. Experiment of Memory (Meaningful and Non-sense Syllables through Memory Drum)
4. Experiment on Figure Ground Reversal
5. Measurement of Emotions by Facial Expression
6. Measurement of Attitude
7. Measurement of leadership
8. Measurement of Aggression
9. Measurement of Altruism
10. Assessment of Social Support
26 राजस्थानी

परीक्षा की कुल समय
न्यूनतम समय : 72
प्रथम प्रश्न-पत्र
3 घंटे
100
द्वितीय प्रश्न-पत्र
3 घंटे
100
प्रथम प्रश्न-पत्र-अंक विभाजन
1. प्रथम प्रश्न-पत्र में पांच प्रश्न होंगे। कुल 100 अंकों का प्रश्न होगा।
2. प्रत्येक पाठ्यपुस्तक से कम से कम एक-एक व्याख्या करनी होगी। \((3 \times 12 = 36)\)
3. दोनों पुस्तकों में प्रत्येक से एक-एक आलोचनात्मक प्रश्न होगा। कुल तीन प्रश्न। \((3 \times 15 = 45)\)
4. अंतिम प्रश्न निम्नलिखित तीन भागों में विभक्त होगा—
(क) राजस्थानी भाषा में अनुवाद—7 अंक

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JAIPUR
(ख) हिंदी से राजस्थानी भाषा में अनुवाद—7 अंक
(ग) राजस्थानी कहावतें अथवा प्रमहोग—5 अंक

पाठ्य पुस्तकें:
1. राजस्थानी कहावतें—सम्पा. रावत सारस्वत, प्रेम जी प्रेम : प्रकाशक साहित्य अकादमी, चलन्द भवन, नई दिल्ली। इस पुस्तक में से निम्नलिखित ऋष संख्या वाली 14 कहावतें 1, 9, 10, 12, 13, 14, 15, 16, 18, 20, 22, 23 तथा 28।
2. जयपुर की ज्योतिः, ले. मदनमोहन सिद्ध (खण्ड एक से तीन) : प्रकाशक श्री 
सिद्ध हिंदी प्रचारक कार्यालय जयपुर।

संदर्भ ग्रंथ:
1. आधुनिक राजस्थानी साहित्य : प्रेम गोत्र और प्रवृत्तियाँ; लेखक डॉ. किरण नाहटा 
प्रकाशक विभाग प्रकाशन, चौधर गार्था, जयपुर।
2. राजस्थानी गद्य साहित्य : उदभव और विकास : लेखक डॉ. शिवस्वरूप अंबल, 
प्रकाशक : शाहेन राजस्थानी परियोजना इंडस्ट्री, बीकानेर।
3. राजस्थानी गद्य बाली का विकास : डॉ. रामकुमार गुर्जर, प्रकाशक देवनाथ प्रकाशन, 
जयपुर।

राजस्थानी द्वितीय प्रश्न-पत्र-राजस्थानी काव्य अंक विभाजन—इस प्रश्न-पत्र में पाँच प्रश्न होंगे।
1. प्रत्येक पुस्तक से एक-एक व्याख्या। कुल तीन व्याख्या।
2. प्रत्येक पुस्तक से एक-एक आलोचनात्मक प्रश्न।
3. आलंकार : वैधता, ऊपर, रूप, उद्देश्य आदि, प्रश्न।
4. छंद : दूरो, सोडो, छप्पय, छेलियो।

संदर्भ ग्रंथ:
1. प्राचीन काव्य को धृष्ट प्रसार-सम्पादक अमा चंद नाहटा, प्रकाशक भारतीय 
विज्ञान संस्थान प्रतिष्ठान, बीकानेर।
2. अलंकार परिवार—संग्रह पत्रिका स्वामी।
3. राजपुत्र रंगें गीता से—महात्मनंद खरोङ्ग, प्रकाशक नागरी प्रचारिणी सभा वाराणसी।
4. राजस्थानी साहित्य—एक परिचय प्रकाशक नवम्बर ग्रंथ कुंदी, बीकानेर।

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR
27 SHEEP AND WOOL
(To be offered by the collegiate students of Shri B.D. Tod College, Lakshmangarh, Sikar only)
Scheme:
Min. Pass Marks 48 Max. Marks 132

Dy. Registrar (Acad.)
University of Rajasthan
JAIPUR
**Syllabus B.A., Part-I**

<table>
<thead>
<tr>
<th>Paper-I</th>
<th>3 hrs. duration</th>
<th>Max. Marks 66</th>
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</thead>
<tbody>
<tr>
<td>Paper-II</td>
<td>3 hrs. duration</td>
<td>Max. Marks 66</td>
</tr>
<tr>
<td>Min. Pass Marks 24</td>
<td>4 hrs. duration</td>
<td>Max. Marks 68</td>
</tr>
</tbody>
</table>

Practical

**Paper-I : Elements of Sheep Husbandry**

Livestock population in Rajasthan, India and place of sheep in rural economy of Rajasthan with particular reference to the area.

Historical background of the origin of sheep. Asiatic classification of the world sheep. Important breeds of Indian sheep particularly of Rajasthan.

Regionalisation of sheep in India.

Anatomical and Physiological aspects: Salient features of the skeletal, digestive, reproductive, respiratory, endocrine system etc.

Physiological: Carbohydrate, Protein, Fat-metabolism.

Sheep: Management of flocks, sheepcare (different stages), housing, feeding etc.

**Paper-II : Elementary Sheep Production**

General Management: Counting, docking, castration, branding, tagging, tattooing, weaving, aging, classifying, cutting.

Breeding Management: Case of pregnant ewes, new born lambs, and breeding rams.

Shearing Management: Time of shearing, washing, grading, packing, storage, shearing shed equipment and management.

Health Management: Drenching, dipping, vaccination, spraying, mouth wash, foot bath, segregation, are of sick sheep.

Farm Records: Feeding breeding health, production and their maintenance.

Wool Science: Definition of wool terms ‘primary grading’ physical and chemical properties of wool.

Types of Fibre: Comparison wool fibre with hair and textile fibre.

Practical:

**Syllabus :**

<table>
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<tr>
<th>M.in Pass Marks-24</th>
<th>Max pass M. 68</th>
</tr>
</thead>
</table>

1. Recognition of different breeds of sheep, local and state of Rajasthan, with reference to salient features of difference and utility of their products.

Dy. Registrar (Acad.)
2. Study of sheep skeleton.

3. Salient features of digestive organs, respiratory and reproductive organs (male and female)

4. General Management of sheep: Housing (different types of housing, floor area required etc.) Open and closed by stem of housing paddock and sheep. Yards, housing of different categories of sheep.

5. Farm equipments viz. feeding and watering thoughts shearing machines, weighting machines, hoof-paring, castrating equipment drenching and dosing equipments, branding and tagging equipments etc.


7. Lambing practices and rearing of young ones; Care and management of ewes at lambs and growing stock. Use of foot-bath and mouthwash.

8. Wool Science: Physical Properties of wool including microscopic study comparing it with hair and artificial fibers, Primary grading of wool; Microscopic study of fibers.
20. LIV STOCK AND DAIRYING

(To be offered by the Collegiate Students of Shri Pragya Mahavidyalaya, Bajaj Nagar and Government College, Rajgarh).

**Scheme:**

<table>
<thead>
<tr>
<th></th>
<th>Min. Pass Marks 48</th>
<th>Max. Marks 132</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper-I</td>
<td>3 hrs. duration</td>
<td>Marks 66</td>
</tr>
<tr>
<td>Paper-II</td>
<td>3 hrs. duration</td>
<td>Marks 66</td>
</tr>
<tr>
<td>Practical</td>
<td>4 hrs. duration</td>
<td>Marks 68</td>
</tr>
</tbody>
</table>

**Paper-I:** Principles of Animal Husbandry and Livestock Management

1. Livestock population of India with special reference to Rajasthan. Distribution of different categories of livestock according to
Syllabus B.A. Part-I

the agroclimatic conditions of the state.

2. Contribution of animal and animal products in the economy of Rajasthan.

   Buffalows—Murrah, Surti, Mehsana.
   Goats—Sirohi, Alwar, Barbari, Jamnapuri, Beotal, Marwari.
   Sheep—Sonodi, Chokia, Bikaner, Marino, Rambouillet Camel Rid Dmeru.
   Poultry—Phode Island Red, White, Leg Horn, wyite Roe.


5. Housing of Livestock, location, site sign construction. Arrangement / Groupings of different buildings.

6. General care of the animals grooming exercise bathing observation of oestrus, service care during pregnancy and at parturition, drying off.

7. Care of newly born calf. Marking, dooming, castration.

8. Important points for the management of bulls, goat, sheep and poultry.

9. Livestock farm equipment, sanitarp requirements, disposal of animal water.


11. Maintenance of farm records.


Paper-II Principles of Feeding and Breeding Livestock

1. Digestive system of ruminants and its peculiarities.

2. Physiological role of good nutrients, their digestion, importance of scientific feeding.

3. Nutritional requirement of farm animals for different purposes.

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Syllabus B.A. Part-I

5. Feeding pregnant, lacting animals, breeding bulls and bullocks.
6. Production of different types of grasses and forage, making of hay and silage.
7. Premuration of cheese balanced ration for milk production.
8. Feeds supplements and additives.
9. Importance of scientific breeding system of breeding.
10. Male and female reproductive system, development of organs and their function, role of economic glands.
11. Signs of heat and time of breeding.
12. Natural service and artificial insemination, infertility in livestock.
14. General hints on selection, score card, performance, pedigree and history sheets, culling.
15. Maintenance of breeding records.

Practicals
Min. Pass Marks 24 4 hrs. duration Max. Marks 68
1. Study of external parts of animal, handling and securing of animals hoof training.
2. Castration, dehorning, making and throwing.
3. Determination of body, weight and age.
4. Recording of temperature, pulse and respiration of animals.
5. Administration of medicines through different routs.
6. Communication of ration, blending food preparation of hay and silage.
7. Diagnosis of common ailments and first aid.
8. Collection of semen and artificial in semination.
9. Judging of animals on the basis of score card.
10. Washing dairy utensils, milking of animals.
11. Leaning and disinfection of dairy sheds.
12. Working out the building requirements for different animals.

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Min. Pass Marks = 72
Paper - I
Paper - II

Max. Marks = 200
Mark = 100
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 Social Anthropology

Unit-I

History, Meaning and Scope of Anthropology.

Branches of Anthropology: - (a) Social-Cultural Anthropology (b) Physical Anthropology (c) Archaelogical Anthropology (d) Linguistic Anthropology


Unit-II


Development and Change

Unit – III

Techniques and Methods: field work and Survey Research

Antiquity and origin of Language, Structure of language, relation in Language, Culture and Individual.

Readings Books


Ha-nam Nadeem. 1962, General Anthropology, New-Delhi, Jawahar Publishers & Distributors.

Madan T.N. and Majumdar D.N., 1957, An Introduction to Social Anthropology, Bombay, Asia Publishing House (Hindi & English).

Mair Lucy, 1965, An Introduction to Social Anthropology, New Delhi, Oxford University Press.


UNIT-I

Physiography of Rajasthan, Integration of Rajasthan, Cultural Regions, Marwar, Mewar, Dhoondhar, Vagad, Mewat, Haroti, Brij.

UNIT-II

Concept of Tribe, Ethnography of tribal culture in Rajasthan: Mina, Bhil, Garasia, Saharia.

UNIT-III


Folk fairs and festivals: Teej, Gangour.

Bhakti Movement and Peasant Movement.

List of Books


Vidya Prakash, 1993: भारत के आविष्कार: उदयपुर शासन के भीतर (भागों में प्रकाशित)

Vidya Prakash, 2001: राजस्थानी तथा साहित्यकारों ने लिखा: उदयपुर सातवां शताब्दी का समय.

Vidya Prakash, 2002: सातवां शताब्दी तक का राजस्थान: एक दिल्ली वैश्विक वृत्तों का दृश्य (अध्यात्मिक सीमाओं व एक सातवां शताब्दी का)


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University of Rajasthan
Jaipur

121
30 DRAMATICS

Note: An applicant shall be allowed to offer Dramatics as one of his/her optional subject only after having been declared successful in the audition text given by the Head of Department of Dramatics of the Institution concerned in oral given exercises and/or written form. The audition test shall be based on the applicants aptitude for acting, speech, Sense of Rhythm, Music and general awareness for theatre.

Scheme:

<table>
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<tr>
<th>Theory</th>
<th>Duration</th>
<th>Max. Marks</th>
<th>Min. Pass Marks</th>
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<tr>
<td>Paper I</td>
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<td>50</td>
<td>18</td>
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<tr>
<td>Paper II</td>
<td>3 hours</td>
<td>50</td>
<td>18</td>
</tr>
<tr>
<td>Practical</td>
<td></td>
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</tr>
<tr>
<td>Paper I</td>
<td>4 hours</td>
<td>50</td>
<td>18</td>
</tr>
<tr>
<td>Paper II</td>
<td>4 hours</td>
<td>50</td>
<td>18</td>
</tr>
</tbody>
</table>

Theory:

Paper I: History of World Theatre

I. Evolution of Theatre as Art Form

II. Influences and Relationship with other art forms

III. History of World Theatre with special reference...
**Syllabus B.A. Part-I**

a. Greek Theatre  
b. Medieval Theatre  
c. Elizabethan Theatre  
IV. Renaissance Theatre and other art forms  
V. Origin and development of Indian Theatre with reference to:  
  a. Pre-Vedic period  
  b. Post-Vedic Period (up to Natyashastra)  
VI. Introduction to Yoga and its importance for theatre arts

**Books Recommended:**

1. Natyakala Ke Teen Sahstra Varsh - Sheldon Chenney (Tr. Sitaram Chaturvedi)  
2. History of Theatre- Oscar Brockett

**Paper-II : Modern Indian and Regional Theatre**

I. Emergence of Modern Indian Drama  
II. Various Social Movements and their impact on theatre with reference to:  
  a. Theosophical Society  
  b. Brahma Samaj  
  c. Arya Samaj  
III. Indian Freedom Struggle and its impact on theatre  
IV. Growth of Commercial Theatre in India with reference to Parsi Theatre.  
V. People’s Theatre Movement  
VI. Post Independence Period  
  a. Study of major playwrights: Mohan Rakesh, Dharmavir Bharti, Vijay Tendulkar, Badal Sarcar, Girish Karnad.  
  b. Study of major organisations and institutions: Sangit Natak Akademies, National School of Drama and others.  
  c. Basic topographical study of theatre auditorium.  
VII. Study of major regional and folk theatre forms and styles: Nautanki, Khyal, Tamasha, Yakshagan, Kuduyattam.

**Books Recommended:**

I. Bhartiya Rangmanch Ka Udbhav Evam Vikas- Dashrath Ojha  
II. Bhartiya Rangmanch Ka Itihas- Dharmat Agyat

[Signature]

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University of [Redacted]
III. Bhartiya Lok Natya Parampara- Dr. Kapila Vatsyayan
IV. Rand Darshan- Nemi Chand Jain

Practical- Paper I : Applied Theatre Practice
I. Practice of 15 Yogic Asanas
II. Practice of Mime and Movement Exercises
III. Submission of workbook.

Practical- Paper II : Applied Theatre Practice
I. Practice of Acting Improvisations
II. Production of short plays
III. Acting assignments

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JAIPUR
A part I Physical Education course shall consist of two theory paper carrying 60 marks each (Total 120 marks) and Practical examination carrying 80 marks (Two games & Sports 40 marks each). A candidate shall have to secure 36% mark separately in theory and practical to pass the examination. 

Note: Each theory paper will have ten questions, two from each of the five units. Candidates are required to answer one question from each unit.

PAPER I
HISTORY OF PHYSICAL EDUCATION

Time 3 hours

Maximum Marks : 60
Minimum Pass Marks : 22

Unit-I
1. Definition of Physical Education: Need importance, Misconception about Physical Education.
2. Principles of Physical Education
3. Aims & objectives of Physical Education
4. Scope of Physical Education
5. Career option in Physical Education.

Unit-II
1. Physical Education in Ancient India (Before 1947).
2. Physical Education in India after 1947.
3. Impact of Britain & U.S.A. on Physical Education in India.

Unit-III
1. Physical Education and Sports training Institutions in India.
2. Sports Authority of India, Scheme & Function.

Unit-IV
1. Modern Olympic Games: Start of Olympics,
2. Objectives of Olympic, olympic mascot.
3. Olympic Motto and flag.
6. Ancient Olympic, differentiate Ancient and modern olympic.

Unit-V
1. Contribution of the growth of Physical Education by leaders & Movements.
2. National Physical Efficiency Drive.
3. All India council of Sports.
5. Contribution in India; G.D. Sondhi; Rajkumari Amrit Kaur; B.P.De Courtois, Dr. P.M. Joseph; Shri H.C. Buck; Prof. Karan Singh; Prof. Ajmer Singh; Asian Games, SAF Games, National Games, Winter Olympics, Para Olympic.

Books Recommended:-
3. Ajmer Singh etc. Basis of Physical education, Health & Sports (B.A.Pt. III), Kalyani Publication Ludhiana
5. Ajmer Singh etc : Saririk Shiksha Swasthya evam Khelo ki Adhunik Pathyapustak B.A. Part II va III : Kalyani Publications Ludhiana

Dy. Registrar (And)
Each theory paper will have ten questions, two from each of the five units. Candidates are required to answer one question from each unit.

Time 3 hours

Unit-I
Biological Foundation
1. Heredity & Environment & its effect
2. Stages of growth & Development.
4. Different between growth & development, Different between male & female
5. Chronological, Anatomical, Physiological and Mental ages of individuals - their implications in developing and implementing Physical Education Programmes.
6. Adolescent problems and their management.

Unit-II
Psychological Foundations:
1. Meaning of psychology, Importance of Psychology for Teacher.
2. Importance and implications of psychological elements in physical education
3. Notions about mind and body and psycho-physical unity
5. Psychological factors effecting sports performance.
6. Personality, its dimension and type, Role of sports in personality development.

Unit-III
Philosophical Foundations:
1. Idealism and Physical education
2. Pragmatism and Physical Education
3. Naturalism and Physical Education
4. Existentialism and Physical education

Unit-IV
Physiological Foundations:
1. Respiratory system
2. Circulatory System
3. Muscles & type of Muscles.
4. General benefits of exercises
5. Benefit of exercise to the various systems.

Unit-V
Sociological Foundations
1. Physical Education and Sports as a need of the society
2. Sociological Implications of Physical Education and Sports
3. Physical activities and sports as a man's cultural heritage
4. Role of social institution in development of personality through Participation in games & sports.
5. Role of leadership in personality.

References:
5. Ajmer Singh etc: Saririk siksha swasthya evam khelo ki Adhunik Pathyapustak B.A. I : Kalyani Publications Ludhiana
7. Sidhanta Ashok Kumar: Saririk Siksha Sidhant, Manovigyan evam Itihas: Sriyansh Publications Jaipur
PRACTICAL (GAMES AND SPORTS)

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

1. Four period for theory
   (i) 1st Paper   (ii) 2nd Paper
2. Four period for practical work
   (i) Athletics : two periods
   (ii) Games : Two periods
(This shall carry 80 marks)

Dy. Registrar (Acad.)
University of Rajasthan
Jodhpur
IN INDIAN HERITAGE IN RURAL HANDICRAFTS

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

Syllabus:

Paper I (Theory)

3 hrs. duration

Max. Marks 60  Min. Pass Marks 22

FUNDAMENTAL OF HANDICRAFTS

1. Theory of colours - pigments and light theory - hue circle, modifications of colour - after image values and colour harmony - practical applications.

2. Basic principles of line, form and space - their interrelationship.

3. Process of concept building - visual and structural relationships. Free hand drawing from nature study of different Indian motifs.

4. Introduction with local rural handicrafts. Brief study of the local handicrafts and various raw materials used for manufacturing them.

5. History of Indian handicrafts.

Note: The paper will contain 9 questions. Candidates are required to attempt any five questions. Each question containing 12 marks.

Paper II (Practical)

5 hrs. duration

Max. Marks 80  Min Pass Marks 28

1. Tie and dye (bandhej)
2. Soft toys
3. Folk paintings.
4. Folk sculptures

Submission Works Max. Marks 60 Min. Pass Marks 22

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.

Note (2): Candidates should pass in theory as well as in practical paper separately.

Books recommended
1. Heritage of Indian Art : V.S. Agarwal
2. Handicrafts of India : T.M. Abraham
3. 5000 years of Arts & Crafts of India : Shanti Swaroop.
VOCAATIONAL COURSE

COMPUTER APPLICATION

Scheme : Min. Pass Marks Max. Marks
Arts/Commerce 72 (Th. 47 Pr. 25) 200
Science 54 (Th. 36 Pr. 18) 150
Paper-I 3 hours duration Computer Fundamentals Arts/Com. 65
and Introduction to Science 50
IBM PC

Paper-II 3 hours duration Operating Systems Arts/Com. 65
and Business Data Science 50
Processing

Paper-III Practical Arts/Com. 70
Science 50

Paper I : Computer Fundamentals and Introduction to IBM
PC

What is Computer? An introduction. Uses of computers in
modern society e.g. weather forecasting, census, oil exploration,
speech recognition, banking, publishing, accounting, research etc.

Information concepts and processing - hardware, software, com-
puter capabilities and limitations. Concept of files and directories.

Computer arithmetic and number systems. ASCII & EBCDIC
echaracter sets.

Elements of a computer processing system - hardware, software,
computer capabilities and limitations. Concept of files and directo-
ries.

Hardware features and use - CPU, I/O devices. Storage devices
and media.

Introduction to networking, multiprocessing, time sharing, multi-
tasking and real time computing.

Variety of hardware systems and features. Various types of comput-
ers available in market. Micro, Mini and Main frames, Supercom-
puters.

Evolution of personal computers, Commodore, Atari, Apple,
IBM, PC. Basic block diagram of computer. Difference between
personal and main frames. Simple operating system, Easy to use,
Less Memory, Dedicated, Normally single user.
Syllabus B.A. Part-I

Introduction to microprocessors and associated computers. Timers, display controllers, DMA controllers.
Block diagram of IBM PC. Introduction to 8086 and 8088. Functional description of various modules and cards.
Boot process in IBM PC. System files. Self test.
Various types of displays and other peripherals used in IBM PCs.

Configuration files. COM, EXE, SYS, BIN, and TXT files. Introduction to programming in BASIC. Development of programs in Q BASIC. Use of graphics facilities using Basic.
Diagnostics for IBM PC. Use of Norton Utilities and other packages for undeleting files and other system maintenance jobs.
Advance version of IBM and compatibles.

Paper II: Operating Systems and Business Data Processing
Introduction to various categories of softwares. Operating system and its functions. Interaction of operating system with hardware and user programs.
Various components of operating system with reference to DOS. Single user operating system. Task loader. Memory management.
File management, Directory structure in DOS. Moving, renaming, copying, deleting and undeleting files under DOS.

Practical
Visit to computer Lab., Introduction to various components of a computer. A simple documentation preparation and printing. Usage of printer and other components.
Physical inspection of IBM PC and internal cards. Introduction to nomenclature (COM1, COM2, etc.) Writing batch files for various purposes. Modifying config. sys files. Creating RAM Disk. Diagnostics on IBM PC. Controlling PC hardware using BASIC Programs.

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