

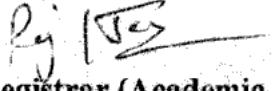


**UNIVERSITY OF RAJASTHAN
JAIPUR**

SYLLABUS

B.A. PART-I

Examination-2020


Dy. Registrar (Academic-I)
University of Rajasthan
Jaipur

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N.B. : 1. Candidates must Pass separately in each of the test/theory and Practical (wherever prescribed)

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

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बी.ए. प्रथम वर्ष - (कला, विज्ञान एवं वाणिज्य संकाय)
बी.ए./बी.एस.सी./बी.कॉम./आनर्स)
सामान्य हिन्दी

पूर्णांक 100

न्यूनतम उत्तीर्णांक 36

नोट : 36 से कम अंक लाने पर छात्रों को उत्तीर्ण नहीं किया जायेगा। इस प्रश्न-पत्र में प्राप्त 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 - गद्य भाग एवं पद्य भाग। प्रत्येक खण्ड के लिए 50 अंक निर्धारित है।

		50 अंक
क	दो व्याख्या पद्य से (प्रत्येक में विकल्प देना है)	5 x 2 = 10 अंक
ख	दो व्याख्या गद्य से (प्रत्येक में विकल्प देना है)	5 x 2 = 10 अंक
ग	आलोचनात्मक प्रश्न पद्य से (विकल्प देना है)	7½ x 2 = 15 अंक
घ	आलोचनात्मक प्रश्न गद्य से (विकल्प देना है)	7½ x 2 = 15 अंक

साहित्य खण्ड - 'क' :- गद्य-पद्य की निर्धारित रचनाएँ
गद्य भाग -

- | | | |
|--------------|---|--|
| 1. कहानी | - | प्रेमचन्द - बड़े भाई साहब
विजयदान देथा - सिकंदर और कौआ |
| 2. संस्मरण | - | कन्हैयालाल मिश्र 'प्रभाकर' - बयालिस के ज्वार की उन लहरों में |
| 3. रेखाचित्र | - | रामवृक्ष बेनीपुरी- रजिया |
| 4. विज्ञान | - | गुणाकर मुले - शनि सबसे सुन्दर ग्रह |
| 5. निबंध | - | अगरचन्द नाहटा - राजस्थान की सांस्कृतिक धरोहर |
| 6. व्यंग्य | - | शरद जोशी - जीप पर सवार इल्लियॉ |
| 7. पर्यावरण | - | अनुपम मिश्र - आज भी खरे हैं तालाब |

पद्य भाग :- (कबीर ग्रंथावली से सं. - श्यामसुंदर दास)

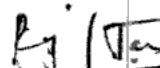
- | | | |
|---|---|---|
| 1. कबीर | - | साखी सं. - गुरुदेव को अंग - 7,12,26,30
सुमरन को अंग - 10,17,24,26
विरह को अंग - 2,6,10,18 |
| 2. सूरदास | - | सूरसागर सार |
| | - | सं. डॉ. धीरेन्द्र वर्मा |
| | - | विनय भक्ति पद सं. - 21,33 |
| | - | गोकुल लीला पद सं. - 55,58 |
| | - | वृंदावन लीला पद सं. - 10,28 |
| | - | उद्धव संदेश पद सं. - 77,79 |
| 3. तुलसीदास | - | विनय पत्रिका, गीताप्रेस, गोरखपुर पद सं. - 87,88,90,156,158 |
| 4. मीरा | - | पदावली सं. - नरोत्तम स्वामी पद सं. - 1,3,4,5,10 |
| 5. रहीम | - | रहीम ग्रंथावली संपादक विद्यानिवास मिश्र, गोविन्द रजनीश
(दस दोहे) |
| 6. मैथिलीशरण गुप्त | - | (दोहावली) 186,191,211,212,214,218,219,220,223,224 |
| 7. सुमित्रानंदन पंत | - | गनुष्यता, हम राज्य लिए मरते हैं (गीत-साकेत के नवम सर्ग से) |
| 8. सूर्यकान्त त्रिपाठी निराला | - | नौका विहार |
| 9. सच्चिदानंद हीरानंद वात्स्यायन 'अज्ञेय' | - | वह तोड़ती पत्थर |
| 10. रामधारी सिंह दिनकर : | - | हिरेशिमा |
| | - | विपत्तियाँ, समर शेष है |

खण्ड - 'ख'

व्याकरण/व्यावहारिक हिन्दी खण्ड

50 अंक

1. निबन्ध लेखन	-	शब्द सीमा 300 शब्द	8 अंक
2. कार्यालयी लेख	-	शासकीय - अर्द्धशासकीय पत्र, कार्यालय ज्ञापन, विज्ञापित एवं कार्यालय आदेश, अधिसूचना, पृष्ठांकन 4 x 2 =	8 अंक
3. संक्षेपण	-		4 अंक
4. पल्लवन	-		5 अंक
5. शब्द निर्माण प्रविधि	-	उपसर्ग, प्रत्यय, संधि, समास	5 अंक
6. शब्द शुद्धि एवं वाक्य शुद्धि	-		5 अंक
7. मुहावरे एवं लोकोक्ति	-		5 अंक
8. पारिभाषिक शब्दावली	-		5 अंक
9. शब्द के प्रकार	-	संज्ञा, सर्वनाम, विशेषण, क्रिया एवं क्रिया विशेषण	5 अंक


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2. GENERAL ENGLISH

(Examination-2020)

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)

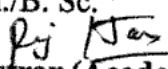
I Phonetic Symbols and Transcription of Words	(05)
III Translation of 5 Simple sentences from Hindi to English	(05)
from English to Hindi	(05)
IV Translation of 05 Words from Hindi to English	(2 ^{1/2})
from English to Hindi	(2 ^{1/2})

Unit B: Grammar and Usage (25 marks)
(10 periods)

I Elements of a Sentence	(05)
II Transformation of Sentences	(05)
a. Direct and Indirect Narration	
b. Active and Passive Voice	
II Modals	(05)
III Tense	(05)
IV Punctuation of a Short Passage with 10 Punctuation Marks (As discussed in Quirk and Greenbaum)	(05)

Unit C: Comprehension (25 marks)

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.


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Candidates will be required to answer 5 questions out of ten questions from the prescribed texts. Each question will be of two (2) marks. (10)

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

The candidates will be required to answer 5 questions from an unseen passage.

(10)

One vocabulary question of 10 words from the given passage.

(5)

Unit D: Compositional Skills
(15 periods)

(30 marks)

I Letters-Formal and Informal	(10)
II CV's Resume and Job Applications and Report	(10)
III Paragraph Writing	(10)

Recommended Reading:

Sasikumar, V., Dutta and Rajeevan, A Course in Listening and Speaking-I Foundation Books. 2005.

Sawhney, Panja and Verma eds. English At the Workplace, Macmillan 2003.

Singh, R.P. Professional Communication. OUP. 2004

Judith Leigh. CVs and Job Applications. OUP. 2004

Arthur Waldhorn and Arthur Zeiger, English Made Simple. Upa and Co.

Gunashekar ed. A Foundation English Course for Undergraduates. Book I, CIEFL, Hyderabad.

Quirk and Greenbaum: A University Grammar of English Longman, 1973

3. ENVIRONMENTAL STUDIES**B.A. Part-I Examination-2020****Scheme of examination**

Time	Min Marks	Max.Marks
3 hrs	36	100

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

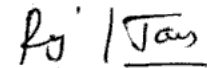
Definition, scope and importance- Relationship between Environmental Studies and other branches of science and social sciences.

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.

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- 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-spot 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

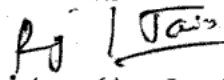
- e) Noise Pollution
- f) Thermal Pollution
- g) Nuclear Hazards
 - Solid waste management” Causes, effects and control measures of urban and industrial wastes
 - Role of an individual in prevention of pollution
 - Pollution case studies
 - Disaster management: floods earthquake, cyclone and landslides

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


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Suggested Readings:-

1. Diwan A.P. and Arora D.K.1995. Human Ecology Anmol Publication Pvt.Ltd.,New Delhi.
2. Dubey, R.M.1992. Human Ecology and Environmental Education,Chaug Publications,Allahabad.
3. Goudie,Andrew.The Human Impact.
4. Husain Maxia.1994 Human Geography,Rawat Publication,Jaipur.
5. Johnston, R.J.Ed.1986 Dictionary of Human geography,National Publication,New Delhi.
6. Malik,S.L.and Bhattacharya D.K.1986. Aspects of Human Ecology,Northern Book Center,New Delhi.
7. Mishra,R.P and Bhooshan,B.S.1979.Human Settlements in Asia.Public,Polices and programmes Haritage publisher,New Delhi.
8. Nathawat, G.S.1985. Human Ecology,An Indian perspective,Indian Human Ecology Council,Jaipur.
9. Russel, Bartrand, 1976.Impact of Science of society Unwin,Publisher,Indian. (paper back).
10. Sinha Rajiv, 1996.Gloobal Biodiversity Ina.,Shri publication,Jaipur.
11. Sinha Rajiv K., 1994. Development without Desertrction 14.Environmentalist,Jaipur. Sinha Rajiv K., 1996.Environmental Crises and Human at Risk,In A Shri Publication,Jaipur.
12. Smith, Dlanne, 1984.Urban Ecology,George Allen,London.
13. Swarnkar, R.C.1985.Indian Tribes.Printwell publisher,Jaipur.
14. Tivy,Joy and O'Hugegreg,1985.Human Impact on the Ecosystem Edinburgh George Allen Boyd.
16. United Nations Development Report, 1996.Human Development Report, 1996.Oxford University Press,Delhi.
17. Vannathony & Rogers Paul, 1974. Human Ecology and World Development,Flehum Press,New York.

4. Elementary Computer Applications

Maximum Marks- 100 (Main University Examinations)

Theory : Max. Marks -60

Practical : Max. Marks- 40

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

Question paper for Elementary Computer Applications, (Compulsory paper-common for B.A. / B.Sc./ B.Com. Part-I) be so set that it has 120 multiple choice questions (Bilingual) of ½ marks each. The question paper will be of duration of 2 hours. The examinees will have to give their answers on OMR Sheet only to be provided by the University whose evaluation will be done based on OMR Scanning Technology. Further the practical examination for this paper will be of 40 marks and its duration will be of 2 hours.

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 of Unix. Linux. Windows, Window 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 Grammer. 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 types of create 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 formula and inbuilt function. Update worksheet using special tools like spell check and auto correct setup the page

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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

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5 बी.ए. प्रथम वर्ष : प्रारम्भिक हिन्दी

पूर्णांक : 100

अवधि : 3 घण्टे

अंकों का विभाजन

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

50 अंक
24 अंक
26 अंक

पाठ्यक्रम

1. गद्य संग्रह
2. व्याकरण : शब्द विचार, वाक्य विन्यास, 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 दिखने वाले शब्दों का अर्थ भेद अथवा वाक्यों में प्रयोग
(ख) पत्र लेखन अथवा निबंध

पाठ्य पुस्तकें

1. गद्य-संग्रह-राष्ट्रीय गौरव के चिन्ह- डॉ. 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-व्यथित हृदय-संशोधनकर्ता-डॉ.अम्बा प्रसाद सुमन
प्रकाशक - श्रीराम मेहरा एण्ड कम्पनी, आगरा

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OPTIONAL SUBJECTS**1. ENGLISH LITERATURE****(Examination-2020)****The Syllabus aims at achieving the following objectives:**

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

Paper I: Poetry and Drama**Maximum Marks: 100****Duration: 3 hrs****Min. Pass Marks: 36****Question No. 1: References to Context from unit A, B & C.**

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

Knowledge of Literary Terms and Poetry Appreciation and usages of drama is required.

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**W. Shakespeare:**

Shall I Compare Thee

Not Marble, nor the Gilded Monuments

Remembrance

J. Donne: Death be not Proud.**Herbert: Pulley****Andrew Marvell: To His Coy Mistress**

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J. Milton:

On His Blindness

On His Twenty Third Birthday

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

Reference Books :

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

The Golden Treasury by Francis Turner Palgrave (OUP)

Poet's Pen: An Anthology of English Verse Paperback – by Dustoor P.E. (Author), Homai P.Dustoor (Author) (Oxford University Press)

The New Oxford Book of English Verse, 1250-1950 (Oxford Books of Verse) by Helen Gardner (Editor)

SECTION B

The following poems from *Strings of Gold* Part I Ed. Jasbir Jain (Macmillan)

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

Reference Books :-

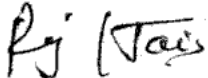
Strings of Gold Part I Ed. Jasbir Jain (Macmillan)

Indian Writing in English by K.R.Srinivasa Iyengar .Sterling Publishers Pvt.Ltd

A History of Indian English Literature by M.K.Naik Sahitya Akademi

The Golden Treasury of Indo-Anglian Poetry, 1828-1965 by Vinayak Krishna Gokak (Editor) Sahitya Akademi

Kabir (Penguin Classics) by Vinay Dharwadker


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SECTION C

W. Shakespeare: *As You Like It*

Reference Books :-

As You Like It (The Pelican Shakespeare) by William Shakespeare (Author), Frances E. Dolan (Editor, Introduction), Stephen Orgel

History of English Literature by Hudson

Pelican Guide to English Literature by Boris Ford ed:

Paper II: Prose and Fiction

Maximum Marks: 100

Min. Pass Marks: 36

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

Bacon	:	Of Studies
B. Russell	:	Knowledge and Wisdom
Leigh Hunt	:	On Getting Up on Cold Mornings
M.K. Gandhi	:	Fearlessness
Lucas	:	Third Thought
S. Radhakrishnan	:	Democracy
H. Belloc	:	On Educational Reform

Reference Books :-

English Prose Selections (O.U.P.) ed. Dr. S.S. Deo et al.

The Art of the Essayist By Lockitt, C. H. (ed.)

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SECTION B

K. Mansfield	:	A Cup of Tea
R. Tagore	:	Living or Dead
H.H. Munro (Saki)	:	The Open Window
R.K. Narayan	:	An Astrologer's Day
E. Hemingway	:	Old Man at the Bridge
George Orwell	:	<i>Animal Farm</i>

Reference Books :

- Popular Short Stories* ed. By Board of Editors (O.U.P.)
Malgudi Days by R. K. Narayan Indian Thought Publications

SECTION C

1. Prose Appreciation
2. Formal Communication
3. Report Writing
4. Presentations Skills

Reference Books :-

- Mohan, Krishna., Raman, Meenakshi. *Effective English Communication*. Tata McGraw Hill, New Delhi, 2009.
- Vandana R. Singh: *The Written Word* (O.U.P.)
- The Handbook of Creative Writing. Ed. Steven Earnshaw, Edinburgh University Press, London, 2007.
- Pal, Rajendra & Korlahalli, J.S. *Essentials of Business Communication*. New Delhi: Sultan Chand & Sons: New Delhi, 2005.
- English at the Workplace* eds. Sawhney Panja and Varma (Macmillan)

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बी. ए. प्रथम वर्ष – हिन्दी साहित्य
प्रथम प्रश्न पत्र– (आदिकाल और भक्तिकाल)

पूर्णांक 100

न्यूनतम उत्तीर्णांक 36

1. ढोला मारू रा दोहा–सम्पादक– नरोत्तम दास स्वामी
दोहा संख्या– 119 से 133
2. विद्यापति–सम्पादक शिवप्रसाद सिंह
नन्दक नन्दन–विद्यापति पदावली
सुन जसिया ऊबन बजाऊ बिपिन बसिया
विरह व्याकुल मृदुल तरुतर
कुंज भवन से चल भेलि हे
सखि हे कतऊं न देख मघाई
3. बीसदेव रास– सम्पादक ब्रजनाशयण पुरोहित
(ऋचा इण्डिया पब्लिशर्स, बिस्सो का चौक, बीकानेर से)
पद संख्या 2. दुसरइ कडवइ गणपति जाइ.....
3. हंस वाहिणी देवी करि धारइ वीण.....
4. नालह रसायण रस भरि गम्ह.....
11. देस मालव मा हे नगरी धार.....
12. नाल्ह वखाणइ नगरजु धार.....
28. बामण–भाट आया अजमेर.....
50. मिली सहेली कीजइ बात.....
54. जोवइ राजमती कउ वींद.....
4. कबीर दास कबीर ग्रंथावली सम्पादन– श्यामसुन्दर दास
विरह को अंग साखी सं. 7, 8, 9, 11, 12, 13, 14, 15, 16, 17

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पंडित वाद वदन्ते झूठा
कोई जाणैगा जाणनहारा
न जाने मिलन गोपाला

5. सूरदास सूरसागर सार— सं. डॉ. धीरेन्द्र वर्मा

पद ऊधो अखियां अति अनुरागी
उपमा एक न नैन गही
ऊधो मन नाहीं दस—बीस
निर्गुण कौन देस को वासी
हमारे हरि हारिल की लकरी
उर में मारवन चोर गड़े
मधुकर श्याम हमारे चोर
ऊधो भली करी ब्रज आए
बिन गोपाल बैरिन भई कुंजै
लखियत कालिन्दी अति कारी

6. तुलसीदास कवितावली— गीता प्रेस गोरखपुर

छंद पुरते निकसी रघुवीर वधू
जल को गए लक्खन है लरिका
रानी मैं जानि अजानी महा
सुन सुन्दर बैन सुधारस साने
कोपि दशकंध तव प्रलय पयोध बोले
पावक् पवन, पानी भानु हिम कातु जम्मु
गजबाजि घटा भलै भूरि मरा
राज सुरेस पचासक कौ, विधि के मसक

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7. जायसी - जायसी ग्रंथावली सं.- रामचन्द्र शुक्ल
सिंहलद्वीप वर्णन खण्ड, प्रारम्भ के 5 अंश
सिंहल द्वीप कथा अब गांउ..... भासा लेहि दई कर नामु
8. मीराँ - मीराँ मुक्तावली सं.- नरोत्तम स्वामी
पद संख्या - 14, 15, 16, 20, 23, 28, 31, 32
9. रसखान - रसखान चूचनावली सं. विद्यानिवास मिश्र
सुजान रसखान अंश से प्रथम 8 छंद

20

अंक विभाजन

कुल चार व्याख्याएँ

(एक कवि से केवल एक व्याख्या) (आन्तरिक विकल्प देय) $4 \times 9 = 36$

कुल चार निबंधात्मक प्रश्न - एक कवि से संबंधित एक ही प्रश्न (आन्तरिक विकल्प देय) $4 \times 14 = 56$

दो टिप्पणियाँ - आदिकाल और भक्तिकाल की प्रवृत्तियों से $2 \times 4 = 08$ (आन्तरिक विकल्प देय)

बी.ए. प्रथम वर्ष हिन्दी साहित्य
द्वितीय प्रश्न पत्र (कहानी और गद्य की अन्य विधाएँ)
न्यूनतम उत्तीर्णांक 36

पूर्णांक 100

खण्ड क

कहानी

चन्द्रधर शर्मा गुलेरी	-	उसने कहा था
प्रेमचन्द	-	नमक का दरोगा
जय शंकर प्रसाद	-	मधुवा
जैनेन्द्र	-	पजेब
यशपाल	-	खच्चर और आदमी
निर्मल वर्मा	-	पिक्कर पोस्टकार्ड
मोहन राकेश	-	मलबे का मालिक
मन्नू भण्डारी	-	सजा
शेखर जोशी	-	दाज्यू
रांगेय राघव	-	गदल

खण्ड ब

गद्य की अन्य विधाएँ

संस्मरण	-	अज्ञेय	-	बसन्त के अग्रदूत : निराला
यात्रा	-	धर्मवीर भारती	-	ठेले पर हिमालय
आत्मवृत्त	-	शानी	-	गर्दिश के दिन
रेखाचित्र	-	महादेवी वर्मा	-	सोना
रिपोर्ताज	-	रांगेय राघव	-	अदम्य जीवन
व्यंग्य	-	हरिशंकर परसाई	-	ठितुरता हुआ गणतंत्र

खण्ड - स

कहानी स्वरूप और परिभाषा

कहानी का विकास

गद्य की कथेतर विधाओं का विकास

अंक विभाजन

कुल चार व्याख्याएँ कहानी खण्ड से दो व्याख्याएँ गद्य की विधाएँ खण्ड से

चार आलोचनात्मक प्रश्न - (खण्ड अ व ब में से)

दो टिप्पणियाँ - (खण्ड स में से (आन्तरिक विकल्प देय))

09 x 04 = 36

04 x 14 = 56

02 x 04 = 08

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3. URDU**B.A. Part-I Examination-2020****Paper I : Prose and Drama**

Max.Marks 100

3 Hrs. Duration

Min. Pass Marks 72

Min.Pass Marks 36

Books Prescribed:

1. Meyare Adab Hissaye Nasr-Published by Educational Book House, Aligarh (U.P)

2. Darwaza Khol 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 & Poetry 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:

1. Shehpare (Nazm) Published by Idare Nashr-O-Ishat,Allahabad University-Allahabad, (1991 edition)

The following are prescribed from the book:

(a) Ghazaliyat : Meer, Atish & Ghalib

(b) Nazmen: Iqbal, Nazeer & Josh.

2. Jadeed Idemul Balaghat by Abdul Majeed Khan

The following Rhetorics (Sanaya) Only:

1. Tazad, 2. Laf o Nashr, 3. Talmeeh, 4. Husne Taleel, 5. Mubalgha, 6. Tashbeeh, 7. Istiyara, 8. Marratun Nazeer, 9. Siyaqatuladad, 10. Tahseequs Sifat, 11. Iham, 12. Majaz, 13. Tajahule Arifana, 14. Ishateqaaq.

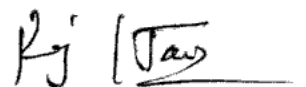
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Division of Marks:

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.



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4. PERSIAN**B.A. Part-I Examination-2020****Paper I : PROSE****Scheme:**

Max. Marks 100

3 Hrs. Duration

Min. Pass Marks 36

Books Prescribed:

1. Farsi Wa Dastoor (Pt-I) By Zahra Khan Leri Published by Idara-e-Adabiyat-e-Delhi Only the following lessons at page No. of the book are prescribed:
3,9,12,13,19,24,28,60,65,85,93,96,113,126,147,150,156,165,188
2. Intekhab-e-Nazm-o-Nasar Farsi Published by Aligarh Muslim University only the following Lessons is Prescribed : Intekhab-e-Gulistan-e-sadi-Hikayat First five only.

Division of Marks:

Unit-1	(A) Ten short answer type questions based on full paper.	10
	(B) Explanation of 2 passages out of 3 from the prescribed Text	20
Unit-2	Translation of 2 passages out of from the prescribed Text	20
Unit-3	Biographical questions on prescribed writers	15
Unit-4	Critical questions on prescribed writers	15
Unit-5	Summary of a lesson	20
	Total	100

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

Books Recommended :

1. Tareekh-e-Adabiyate Iran By Raza Zada Shafaq
2. Sanadeed-e-Ajam By Mehdi Hasan Nasri
3. Tareekh-e-Adab-e-Farsi By Shareef Husain Qasami
4. Sherul Ajam By Shibli Noormani

Note : Choice is to be given in all questions. At least one question from each unit is compulsory.

Paper-II : POETRY**Books Prescribed :**

1. Farsi Wa Dastoor (Pt-I) By Zahra Khanleri (Only the following lessons at page No: 1,34,77,118,132,162,193)
Ghazaliyat Aur Manzumat

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1. Ghazaliyat Hafiz First Five (Intekhab-e-Nazm-o-Nasar Farsi)
2. Sadi
 - (a) Sarmast Agar Darai Ajam Baham Baraid
 - (b) Man Chun Tu Badibari Na Deedam
 - (c) Ba Khuda Agar Ba Meeram
3. Prescribed Book for the above three Ghazals of Sadi 'Shera' Pub. By Kitabistan, Allabad.
4. Intekhab-e-Nazm-o-Nasar Published by Aligarh Muslim University

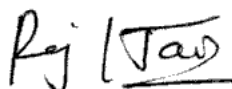
Iqbal

 - (i) Khuda
 - (ii) Insan
 - (iii) Hoor
 - (iv) Shayar
 - (v) Nawa-e-Mazddor.
5. Jadeed Iimul balaghat By Abdul Majeed Khan (only the following sanaya):
 1. Tazad 2. Laffo-Nashr 3. Talmeeh 4. Husn-e-Talel 5. Istara 6. Tajahul-e-Arifana
 6. Iham 8. Ishtaqaq 9. Mubalgha 10. Tashbeeh

Division of Marks:

Unit-1	(A) Ten short answer type questions based on full paper.	10
	(B) Translation two passage out of three in to Urdu from Manzoomat.	20
Unit-2	Translation of two passages out of three in to Urdu from Ghazliyat.	20
Unit-3	Biographical/Critical question on Ghazal writer.	15
Unit-4	Biographical/Critical question on Nazm writer.	15
Unit-5	Rhetoric's with definition & examples/Critical questions	20
	Total	100

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


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5 SANSKRIT

बी.ए. संस्कृत प्रथम वर्ष 2020

सामान्य निर्देश -

1. प्रत्येक परीक्षा में दो-दो प्रश्नपत्र होंगे।
2. प्रत्येक प्रश्नपत्र में न्यूनतम उत्तीर्णांक 36 तथा पूर्णांक 100 होंगे और समय 3 घण्टे का होगा।
3. परीक्षा का माध्यम हिन्दी/अंग्रेजी होगा, परन्तु प्रश्नपत्र केवल हिन्दी में बनाया जायेगा। परीक्षार्थी को छूट होगी कि वह हिन्दी, संस्कृत अथवा अंग्रेजी में किसी एक भाषा में उत्तर दे सके। यदि परीक्षक ने किसी प्रश्न विशेष के लिए भाषा का निर्देश कर दिया है तो उस प्रश्न का उत्तर उसी भाषा में देना अनिवार्य होगा।
4. संस्कृत केवल देवनागरी लिपि में ही लिखा जाना अपेक्षित है।
5. निर्धारित ग्रन्थ में से अनुवाद, व्याख्या, सरलार्थ एवं समालोचनात्मक प्रश्न पूछे जावेंगे।
6. प्रत्येक प्रश्नपत्र में 10 प्रतिशत अंक संस्कृत भाषा में उत्तर के लिये निर्धारित हैं।
7. प्रत्येक प्रश्नपत्र में दो भाग होंगे, जिसमें प्रथम 'अ' भाग लघूत्तरात्मक प्रश्नों का होगा। 'ब' भाग में निबन्धात्मक प्रश्न होंगे। 'अ' भाग में कुल 15 प्रश्न होंगे, जिनका पूर्णांक 30 होगा।

परीक्षा योजना-

न्यूनतम उत्तीर्णांक-72

पूर्णांक-200

प्रथम प्रश्न-पत्र

अंक-100

द्वितीय प्रश्न-पत्र

अंक-100

प्रथम प्रश्न-पत्र

दृश्य एवं श्रव्य काव्य

समय : 3 घण्टे

अंक 100

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

पाठ्यक्रम

1. स्वप्नवासवदत्तम् (भास) 25 अंक
2. नीतिशतकम् (भर्तृहरि) 30 अंक
3. रघुवंशम् प्रथम सर्ग 25 अंक
4. अनुवाद- संस्कृत से हिन्दी-कारक संबंधी पांच वाक्य 10 अंक
5. हिन्दी से संस्कृत दस में से पांच वाक्य 10 अंक

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अंक- विभाजन

क्र. सं.	पुस्तक का नाम	लघूत्तरात्मक प्रश्न	अंक	निबन्धात्मक प्रश्न संख्या	अंक	अंको का योग
1.	स्वप्नवासवदत्तम्	लघूत्तरात्मक 5	10	02	15	10+15=25
2.	नीतिशतक	लघूत्तरात्मक 5	10	02	20	10+20=30
3.	रघुवंशम् (प्रथमसर्ग)	लघूत्तरात्मक 5	10	02	15	10+15=25
4.	अनुवाद-कारक संबंधी			01	10	10
5.	हिन्दी से संस्कृत दस में से पांच वाक्य			01	10	10
	कुल	5	30	08	70	100

प्रश्न-पत्र का निर्माण निम्नानुसार होगा -

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

निबन्धात्मक/ व्याख्यात्मक प्रश्न

स्वप्नवासवदत्तम्

भाग अ में 2-2 अंक के पाँच लघूत्तरात्मक प्रश्न पूछे जायेंगे। 10 अंक

भाग ब

1. 4 श्लोक पूछकर उनमें से किसी 2 की सप्रसंग व्याख्या पूछी जायेगी। 10 अंक
2. दो विवेचनात्मक प्रश्न पूछकर किसी एक का उत्तर देय है। 5 अंक

नीतिशतकम्

भाग अ में 2-2 अंक के पाँच लघूत्तरात्मक प्रश्न पूछे जायेंगे। 10 अंक

भाग ब

1. 4 श्लोक पूछकर उनमें से किन्हीं 2 की सप्रसंग व्याख्या पूछी जायेगी। 14 अंक
2. दो विवेचनात्मक प्रश्न पूछकर किसी एक प्रश्न का उत्तर देय होगा। 6 अंक

रघुवंशम् (प्रथम सर्ग)

भाग अ में 2-2 अंक के पाँच लघूत्तरात्मक प्रश्न पूछे जायेंगे। 10 अंक

भाग ब

1. 4 श्लोक पूछकर उनमें से किन्हीं 2 श्लोकों की सप्रसंग व्याख्या पूछी जायेगी। 10 अंक
2. दो विवेचनात्मक प्रश्न पूछकर किसी एक प्रश्न का उत्तर देय होगा। 5 अंक

अनुवाद

1. संस्कृत से हिन्दी- कारक संबंधी पांच वाक्यों का अनुवाद अपेक्षित है। 10 अंक
2. हिन्दी से संस्कृत- दस वाक्य देकर पांच वाक्यों का अनुवाद अपेक्षित है। 10 अंक

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सहायक पुस्तकें—

1. स्वप्नवासवदत्तम्—डॉ. कृष्णदेव प्रसाद—जगदीश संस्कृत पुस्तकालय, झालानियों का रास्ता, जयपुर।
2. स्वप्नवासवदत्तम्—डॉ.रूपनारायण त्रिपाठी—रचना प्रकाशन, जयपुर। स्वप्नवासवदत्तम्—संस्कृत हिन्दी व्याख्या—डॉ.जगन्नाथ पाण्डेय, जगदीश संस्कृत पुस्तकालय, झालानियों का रास्ता, जयपुर।
3. स्वप्नवासवदत्तम्—डॉ.सुभाष वेदालंकार, —अलंकार प्रकाशन, जयपुर।
4. स्वप्नवासवदत्तम्—डॉ.श्रीकृष्ण ओझा, अभिषेक प्रकाशन, चौडा रास्ता जयपुर।
5. नीतिशतकम्—डॉ. गोपाल शर्मा, हंसा प्रकाशन, जयपुर।
6. नीतिशतकम्—डॉ. श्रीकृष्ण ओझा, राज प्रकाशन मंदिर, जयपुर।
7. नीतिशतकम्— डॉ.सुभाष वेदालंकार, हंसा प्रकाशन, जयपुर।
8. रघुवंशम् (प्रथम सर्ग)
9. संस्कृत व्याकरण— श्री निवास शास्त्री।
10. वृहद् अनुवाद चन्द्रिका — चक्रधर हंस नौटियाल

द्वितीय प्रश्न—पत्र

समय : 3 घण्टे

अंक—100

भारतीय संस्कृति के तत्त्व, पद्य साहित्य, व्याकरण

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

पाठ्यक्रम

1. भारतीय संस्कृति के तत्त्व —

20 अंक

क— भारतीय संस्कृति—विषय, पृष्ठभूमि, विशेषताएँ।

ख— भारतीय संस्कृति के विकास की रूपरेखा—पूर्ववैदिक काल, वैदिकोत्तरकाल, मध्यकाल एवं आधुनिक काल।

ग— प्राचीनकाल— राजनैतिक, सामाजिक एवं आर्थिक स्थिति।

घ— वर्ण, आश्रम, एवं संस्कार।

ङ— शिक्षा (वैदिककाल से लेकर 7वीं शताब्दी तक)

च— लेखन—कला की उत्पत्ति।

छ— भारतीय दर्शन की प्रमुख विचारधाराएँ।

ज— भारतीय संस्कृति का मानव—कल्याण में योगदान।

2. किरातार्जुनीयम्(प्रथम सर्ग)—भारविकृत

25 अंक

3. व्याकरण—लघुसिद्धान्तकौमुदी—संज्ञा, एवं संधि प्रकरण

35 अंक

क—संज्ञा प्रकरण— 10 अंक

ख—अच् संधि— 10 अंक

ग— हल् संधि— 10 अंक

घ— विसर्ग संधि— 05 अंक

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4. निम्नलिखित कृत् प्रत्ययों से वाक्य निर्माण सम्बन्धी प्रश्न -

तव्यत्, अनीयर् - तव्यत्तव्यानीयर् :

यत् -	अचो यत्, ईद्यति, पोरदुपधात्
क्यप्-	एतिस्तुशास्वृदृजुषः क्यप्, ह्रस्वस्य पिति कृति तुक्, शास् इदङ्गहलोः
ण्यत्-	ऋहलोर्ण्यत्
शतृ, शानच्-	लटः शतृशानचावप्रथमासमानाधिरणे, आने मुक्
क्त, क्तवतु-	क्तक्तवत् निष्ठा, रदाभ्यां निष्ठातो नः पूर्वस्य च दः
क्त्वा-	समानकर्तृकयोः पूर्वकाले
ल्यप्-	समासेऽनञ् पूर्वे क्तवो ल्यप्
तुमुन्-	तुमुण्वुलौ क्रियायाँ क्रियार्थायाम्

अंक- विभाजन

क्र. सं.	पुस्तक का नाम	लघूत्तरात्मकप्रश्न	अंक	निबन्धात्मक प्रश्न संख्या	अंक	अंको का योग
1.	भारतीय संस्कृति के तत्त्व	लघूत्तरात्मक 3	06	02	14	06+14=20
2.	किरातार्जुनीयम् (प्रथम सर्ग)	लघूत्तरात्मक 4	08	02	17	08+17=25
3.	लघुसिद्धान्तकौमुदी-संज्ञा, एवं संधि प्रकरण	लघूत्तरात्मक 5	10	01	25	10+25=35
4.	कृत् प्रत्यय	लघूत्तरात्मक 3	06	07	14	06+14=20
	कुल	15	30	10	70	100

प्रश्न-पत्र का निर्माण निम्नानुसार होगा -

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

निबन्धात्मक / व्याख्यात्मक प्रश्न

भारतीय संस्कृति के तत्त्व

भाग अ में 2-2 अंक के तीन लघूत्तरात्मक प्रश्न पूछे जायेंगे।

भाग ब

06 अंक

1. दो निबन्धात्मक प्रश्न पूछकर किसी एक का उत्तर अभीष्ट है। 10 अंक
2. दो विषयों पर टिप्पणी पूछ कर किसी एक का उत्तर अभीष्ट है। 04 अंक

किरातार्जुनीयम् (प्रथम सर्ग)

भाग अ में 2-2 अंक के चार लघूत्तरात्मक प्रश्न पूछे जायेंगे

08 अंक

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1. 4 श्लोक पूछकर उनमें से किन्हीं 2 श्लोकों की सप्रसंग व्याख्या पूछी जायेगी। 12 अंक
2. दो विवेचनात्मक प्रश्न पूछकर किसी एक प्रश्न का उत्तर देय होगा। 5 अंक
- व्याकरण-लघुसिद्धान्त कौमुदी**
- भाग अ में 2-2 अंक के पाँच लघूत्तरात्मक प्रश्न पूछे जायेंगे। 10 अंक
- भाग ब
- क. संज्ञा प्रकरण
- 4 सूत्र पूछकर किन्हीं 2 सूत्रों की सोदाहरण व्याख्या अपेक्षित है।
प्रत्येक व्याख्या के लिये 2 अंक निश्चित हैं। 04 अंक
- ख. अच् संधि-
- 4 सूत्र पूछकर किन्हीं 2 सूत्रों की सोदाहरण व्याख्या अपेक्षित है।
प्रत्येक व्याख्या के लिये 2 अंक निश्चित हैं। 04 अंक
- 4 शब्दसिद्धि पूछकर किन्हीं 2 शब्दों की सूत्रनिर्देश पूर्वक सिद्धि
अपेक्षित है। प्रत्येक सिद्धि के लिये 2 अंक निश्चित हैं। 04 अंक
- ग. हल् संधि-
- 4 सूत्र पूछकर किन्हीं 2 सूत्रों की सोदाहरण व्याख्या अपेक्षित है।
प्रत्येक व्याख्या के लिये 2 अंक निश्चित हैं। 04 अंक
- 4 शब्दसिद्धि पूछकर किन्हीं 2 शब्दों की सूत्रनिर्देश पूर्वक सिद्धि
अपेक्षित है। प्रत्येक सिद्धि के लिये 2 अंक निश्चित हैं। 04 अंक
- घ. विसर्ग संधि-
- 2 सूत्र पूछकर किसी 1 सूत्र की सोदाहरण व्याख्या अपेक्षित है। 02 अंक
- 2 शब्दसिद्धि पूछकर किसी 1 शब्द की सूत्रनिर्देश पूर्वक सिद्धि अपेक्षित है। 03 अंक
- ङ कृत् प्रत्यय-
- भाग अ में 2-2 अंक के तीन लघूत्तरात्मक प्रश्न पूछे जायेंगे। 06 अंक
- भाग ब
- (कृत्प्रत्यय के प्रयोग पूर्वक संस्कृत में चार वाक्यों का निर्माण अपेक्षित है। 14 अंक

सहायक पुस्तकें- भारतीय संस्कृति

1. भारतीय सांस्कृतिक निधि- डॉ. रामजी उपाध्याय, महामनापुरी, वाराणसी।
2. भारतीय संस्कृति-श्री रामदेव साहू, श्याम प्रकाशन चौडा रास्ता, जयपुर।
3. भारतीय संस्कृति- वाई.एस.रमेश-रचना प्रकाशन, जयपुर।
4. भारतीय संस्कृति- डॉ. रामजी उपाध्याय, महामनापुरी, वाराणसी।
5. भारतीय दर्शन- डॉ. बलदेव उपाध्याय, चौखम्बा प्रकाशन, वाराणसी।

कुल योग-100 अंक

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किरातार्जुनीयम्

1. किरातार्जुनीयम् (प्रथम सर्ग)–आचार्य नवल किशोर कांकर, विद्या वैभव भवन, जयपुर।
2. किरातार्जुनीयम् (प्रथम सर्ग)–डॉ. विश्वनाथ शर्मा, आदर्श प्रकाशन, जयपुर।
3. किरातार्जुनीयम् (प्रथम सर्ग)– डॉ.सुभाष वेदालंकार, –अलंकार प्रकाशन, जयपुर।

अनुवाद के लिए

1. संस्कृत रचनानुवाद मंजरी–पं. नंदकुमार शास्त्री, अजमेरा बुक कम्पनी, त्रिपोलिया बाजार, जयपुर।
2. रचनानुवाद कौमुदी–डॉ. कपिलदेव द्विवेदी, वाराणसी।
3. रचनानुवादप्रभा–डॉ.श्रीनिवास शास्त्री, कुरुक्षेत्र।

व्याकरण के लिये

1. लघुसिद्धान्त कौमुदी– श्रीमहेश सिंह कुशवाहा, चौखम्भा संस्कृत प्रतिष्ठान, दिल्ली।
2. लघुसिद्धान्त कौमुदी– श्री धरानन्द शास्त्री, मोतीलाल बनारसीदास, दिल्ली।
3. लघुसिद्धान्त कौमुदी– भीमसेन शास्त्री।
4. संस्कृत व्याकरण– श्री निवास शास्त्री।
5. वृहद् अनुवाद चन्द्रिका – चक्रधर हंस नौटियाल

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6 PHILOSOPHY**B.A. Part-I Examination-2020**

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.
4. Jainism: concepts of sat, dravya, guna, paryaya, jiva, ajiva, anekantavada, syadvada and nayavada, pramanas, ahimsa, bondage and liberation.

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5. Buddhism: theory of pramanas, theory of dependent origination, the four noble truths, doctrine of momentariness, theory of no-soul. A brief introduction of the 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.
2. Vaisesika: Padarthas: dravya, guna, karma, samanya, samavaya, visesha, abhava, Causation: asatkaryavada, karana: samavayi, asamavayi & nimitta, paramanuvada, adrsta, nihsreyas.
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.
4. Yoga: citta and citta-vrtti, eightfold path, God.

Unit C:

1. Purva Mimamsa: Pramana-mimamsa, Self.
2. Advaita: nirguna brahman, adhyasa, rejection of difference, vivartavada, maya, three grades of satta, pramanas, jiva, jivanmukti.
3. Visistadvaita: saguna brahman, refutation of maya, parinamavada, aprthaksiddhi, jiva, bhakti and prapatti, rejection of jivanmukti.

Prescribed Reading:

1. Dutta & Chatterjee : *Introduction to Indian Philosophy* (Hindi translation available)

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)
 R. Puligandla : *Fundamentals of Indian Philosophy*
 संगम लाल पाण्डे : भारतीय दर्शन का सर्वेक्षण, सेन्द्रल पब्लिशिंग हाऊस, इलाहाबाद।

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Paper II: History of Western Philosophy

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:

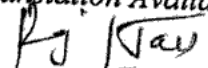
1. St. Thomas Aquinas: Faith and reason, essence and existence, proofs for the existence of God.
2. Descartes: Method and the need for method in philosophy, method of doubt, cogito ergo sum, types of ideas, mind and matter, mind-body interactionism, God: nature and proofs for his existence.
3. Spinoza: substance, attributes and modes, the concept of God or Nature, pantheism, mind-body problem.
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

Unit C:

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 posteriori, possibility of synthetic a priori 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*, मोतीलाल बनारसीदास, दिल्ली (English Translation Available)
- F. Thilly : *History of Western Philosophy (Hindi Translation Available)*


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7 HISTORY

The scheme of examination will be as follows:

Scheme:

Maximum Marks 200

Minimum Pass Marks 72

Paper I

3 hrs. Duration

Marks 100

Paper II

3 hrs. Duration

Marks 100

Note: There shall be two papers in all in the subject of History, and each paper shall be of three hours duration and of 100 marks.

Each paper shall consist of two parts. Part I shall carry 40 marks and shall consist of two compulsory questions. The first compulsory question will be of 20 marks, comprising of 10 very short answer type questions of two marks each. The answer to each question should not exceed 20 words.

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

The second part of the question paper shall be divided into three sections comprising of 06 essay type questions, containing 02 questions from each section, of 20 marks each. Candidate will be required to answer 03 questions, selecting one question from each section. This part of the question paper shall be of 60 marks.

परीक्षा योजना :

अधिकतम अंक 200

न्यूनतम उत्तीर्णांक 72

प्रथम प्रश्नपत्र

समय 3 घंटे

अंक 100

द्वितीय प्रश्नपत्र

समय 3 घंटे

अंक 100

नोट : इतिहास विषय के कुल दो प्रश्नपत्र होंगे, प्रत्येक प्रश्नपत्र तीन घंटे की अवधि का होगा। 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 अंक के 10 अनिवार्य अतिलघुउत्तरात्मक प्रश्न होंगे। प्रत्येक उत्तर की शब्द सीमा 20 शब्द।

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

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

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

Section - A

Main sources of the history of India upto 1200 A.D. A brief survey of Prehistoric cultures in India. The Indus-Saraswati civilization - origin, extent, salient features, decline and continuity. The Vedic age - Vedic literature, polity, society, economy and religion. A brief survey of Iron age cultures in India. Rise of Janapadas and Mahajanapadas - monarchies and republics. Rise of Magadhan imperialism upto the Gandhara. Jainism and Buddhism - origins, teachings, contribution.

Section - B

The Mauryan empire - main sources. Chandragupta Maurya and Ashoka. Ashoka's Dhamma - its nature and propagation. Mauryan state and administration, society and economy, art and architecture. Decline of the Mauryas. The post-Mauryan period (c. 200 B.C. to 300 A.D.) - achievements of the Sungas, Satavahanas, Sakas and Kushanas. Social, Religious and Economic life and development of literature and arts during the post-Mauryan period. The Sangam age - literature, society, economy, and culture.

Section - C

The Gupta empire - achievements of Samudragupta, Chandragupta II Vikramaditya, Skandagupta. State and administrative institutions. Social and economic life. Religious thought and institutions. Developments in literature, arts and sciences. Post-Gupta period upto 750 A.D. - achievements of the Vardhanas, Chalukyas and Pallavas. Tripartite Struggle. The Imperial Cholas and their achievements. A study of social and economic changes and a brief survey of cultural life during the period c. 750 to 1200 A. D.

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पथम प्रश्नपत्र : भारत का इतिहास (अरम्भ से 1200 ईस्वी तक)

खण्ड - क

1200 ईस्वी तक भारत के इतिहास के मुख्य स्रोत। भारत की प्रागैतिहासिक संस्कृतियों का संक्षिप्त सर्वेक्षण। सिन्धु-सरस्वती सभ्यता - उदगम, विस्तार, प्रमुख विशेषताएँ, पतन एवं निरंतरता। वैदिक युग - वैदिक साहित्य, राजशासन, समाज, अर्थव्यवस्था एवं धर्म। भारत की लौहयुगीन संस्कृतियों का संक्षिप्त सर्वेक्षण। जनपदों एवं महाजनपदों का उदय - राजतंत्र एवं गणतंत्र। नंद वंश तक मागध साम्राज्यवाद का उत्कर्ष। जैन धर्म एवं बौद्ध धर्म - उदगम, शिक्षाएं, योगदान।

खण्ड - ख

मौर्य साम्राज्य- मुख्य स्रोत। चन्द्रगुप्त मौर्य एवं अशोक। अशोक का धम्म - इसकी प्रकृति एवं प्रचार। मौर्यकालीन राज्य एवं प्रशासन, समाज एवं अर्थव्यवस्था, कला एवं स्थापत्य। मौर्यों का पतन। मौर्योत्तर काल (लगभग 200 ई. पू. से 300 ईस्वी) - शुंगों, सातवाहनों, शकों एवं कुषाणों की उपलब्धियाँ। मौर्योत्तर 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 विक्रमादित्य, स्कंदगुप्त की उपलब्धियाँ। राज्य एवं प्रशासनिक संस्थाएँ। सामाजिक एवं आर्थिक जीवन। धार्मिक विचार एवं संस्थाएँ। साहित्य, कला एवं विज्ञान का विकास। 750 ईस्वी तक गुप्तोत्तर काल - वर्धनों, चालुक्यों एवं पल्लवों की उपलब्धियाँ। त्रि-राज्यीय संघर्ष। साम्राज्यवादी चोल एवं उनकी उपलब्धियाँ। 750 से 1200 ईस्वी के काल में सामाजिक एवं आर्थिक परिवर्तनों का अध्ययन तथा सांस्कृतिक जीवन का संक्षिप्त सर्वेक्षण।

Books Recommended (अनुशंसित पुस्तकें) :

- H. D. Sankalia : *Prehistory of India*, Murtshiram Manoharlal, New Delhi, 1977
- Dilip K. Chakrabarti : *India : An Archaeological History (Palaeolithic Beginnings to Early Historic Foundations)*, Oxford University Press, New Delhi, 1999
- B. B. Lal : *India 1947-1997 : New Light on the Indus Civilisation*, Delhi, 1998
- R.K. Mookerji : *Chandragupta Maurya and His Times*, Delhi, 1952 (also in Hindi)
- : *Asoka*, Delhi, 1972 (also in Hindi)
- B. N. Puri : *India under the Kushanas*, Bombay, 1965

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- R.C. Majumdar & A. Altekar : *The Vakataka-Gupta Age* (also in Hindi)
- Barj Nath Sharma : *Harsha & his times*, Varanasi, 1970
- K.A.N. Sastri : (Ed.) *Age of the Nandas & Mauryas* (also in Hindi)
- : *A History of South India* (also in Hindi)
- : *The Cholas* (also in Hindi)
- Romila Thapar : *A History of India, Vol I*, Penguin, 1966 (also in Hindi)
- : *Asoka & the Decline of the Mauryas*, 3rd impression, Delhi, 1999
- Upinder Singh : *A History of Ancient and Early Medieval India* (From the Stone Age to the 12th Century), Pearson Longman, Delhi, 2009
- वेदुला जायसवाल : *भारतीय इतिहास का नव-प्रस्तर युग*, दिल्ली, 1992
- के. के. थपलियाल एत रस.पी. शुक्ला : *सिन्धु सभ्यता*, लखनऊ, 1976
- रदन मोहन सिंह : *बुद्धकालीन समाज और धर्म*, पटना, 1972
- पी.एल. गुप्ता : *गुप्त साम्राज्य*
- वेशुद्वानन्द पाठक : *उत्तर भारत का राजनीतिक इतिहास*, लखनऊ, 1990
- लिराम श्रीवास्तव : *दक्षिण भारत का इतिहास*, वाराणसी, 1968
- के.सी. श्रीवास्तव : *प्राचीन भारत का इतिहास तथा संस्कृति*, इलाहाबाद

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

Section - A

A survey of the sources of the history of Rajasthan. Palaeolithic and Mesolithic cultures in Rajasthan. Extent and characteristics of Chalcolithic and Copper age cultures (Ahar, Balathal, Ganeshwar). Characteristics of Kalibangan culture. Matsya, Vajapada and Republican Tribes in Rajasthan. Origin of Rajputs. Rise and expansion of Cholas, Gurjara-Pratiharas and Chahamanas.

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Section - B

Without resistance to Muslim incursions in Rajasthan. Mewar under Maharana Pratap and Sanga. Maharana Pratap's struggle for independence. Chandrasen's efforts for freedom. Contribution of Sawai Jai Singh. A brief survey of the main features of the society and culture in Rajasthan (1200-1750 A.D.), Meera and Dadu. Art and architecture - fort architecture, temples.

Section - C

Maratha incursions in Rajasthan and their impact. Acceptance of British suzerainty and its consequences. Administrative and Judicial changes after 1818 A. D. Social changes - Prohibition of Female Infanticide and Sati. Economic changes - Land Revenue Settlements. British monopoly of Salt and Opium Trade. Outbreak of 1857 in Rajasthan. Influence of Arya Samaj in Rajasthan. A brief survey of Peasant Movements and Tribal Movements. Formation of Praja Mandals and Freedom Struggle in Rajasthan. Integration of the States of Rajasthan.

द्वितीय प्रश्नपत्र : राजस्थान का इतिहास (आरंभिक काल से 1956 ईस्वी तक)खण्ड - क

राजस्थान के इतिहास के स्रोतों का सर्वेक्षण। राजस्थान में पुरापाषाणकालीन एवं ध्रुवपाषाणकालीन संस्कृतियाँ। ताम्रपाषाणिक एवं ताम्रयुगीन संस्कृतियों का विस्तार एवं विशेषताएँ (महाड़, बालाथल, गणेश्वर)। कालीबंगा संस्कृति की विशेषताएँ। राजस्थान में मत्स्य जनपद एवं गतांत्रिक जातियाँ। राजपूतों का उदय। गुहिलों, गुर्जर-प्रतिहारों एवं चाहमानों का उत्कर्ष एवं स्तार।

खण्ड - ख

राजस्थान में मुस्लिम आक्रमणों का राजपूत प्रतिरोध। महाराणा कुंभा एवं सांगा के अधीन मेवाड़। महाराणा प्रताप का स्वतंत्रता के लिए संघर्ष। स्वातंत्र्य के लिए चंद्रसेन के प्रयास। सवाई जयसिंह का पदान। राजस्थान में समाज एवं संस्कृति की मुख्य विशेषताओं का संक्षिप्त सर्वेक्षण (1200-1750 ईस्वी)। एवं दादू। कला एवं स्थापत्य - दुर्ग स्थापत्य, मंदिर।

खण्ड - ग

राजस्थान में मराठा आक्रमण एवं उनका प्रभाव। ब्रिटिश प्रभुत्व का स्वीकार एवं इसके परिणाम। 18 ईस्वी के पश्चात् प्रशासनिक एवं न्यायिक परिवर्तन। सामाजिक परिवर्तन - कन्या-शिशु वध एवं सती प्रतिबन्ध। आर्थिक परिवर्तन - भू राजस्व बंदोबस्त। नमक एवं अफीम व्यापार पर ब्रिटिश एकाधिकार। राजस्थान में 1857 का विद्रोह। राजस्थान में आर्य समाज का प्रभाव। कृषक आन्दोलनों एवं जनजातीय आन्दोलनों का एक संक्षिप्त सर्वेक्षण। राजस्थान में प्रजामंडलों का गठन एवं स्वाधीनता संघर्ष। राजस्थान के राज्यों का एकीकरण।

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Recommended (अनुशसित पुस्तकें)

- asharath Sharma : *Rajasthan through the Ages, Vol. I, Bikaner, 1966*
 : *Early Chauhan Dynasties, Delhi, 1975*
- N. Sharma : *Rajasthan through the Ages, Vol. II*
 : *Mewar and the Mughal Emperors*
 : *Social Life in Medieval Rajasthan*
- S. Jain : *Rajasthan through the Ages, Vol. III*
 : *Surplus to Subsistence, Delhi, 1994*
 : *Concise History of Modern Rajasthan*
- C. Shukla : *Early History of Rajasthan, Delhi, 1978*
- N. Puri : *The History of the Gurjara-Pratiharas, Delhi, 1975*
- anta Rani Sharma: *Society and Culture in Rajasthan c. A.D. 700-900, Delhi, 1996*
- i. Bhatnagar : *Life & Times of Sawai Jai Singh (also in Hindi)*
- N. Misra : *Rajasthan : Prehistoric and Early Historic Foundations, Aryan Books International, New Delhi, 2007*
- D. Sankalia et al : *Excavations at Ahar (Tambavati), 1961-62, Deccan College, Poona, 1969*
- ia Hooja : *A History of Rajasthan, Rupa & Co., New Delhi, 2006*
 : *The Ahar Culture and Beyond, Oxford, 1988.*
- नाथ शर्मा : *राजस्थान का इतिहास, आगरा*
 : *राजस्थान का सांस्कृतिक इतिहास, राजस्थान हिन्दी ग्रन्थ अकादमी, जयपुर*
 : *राजस्थान के इतिहास के स्रोत, राजस्थान हिन्दी ग्रन्थ अकादमी, जयपुर*
- ज्ञानन्द पाठक : *उत्तर भारत का राजनीतिक इतिहास, लखनऊ*
- स. जैन : *आधुनिक राजस्थान का इतिहास, जयपुर*
- साद व्यास : *आधुनिक राजस्थान का वृक्ष इतिहास. खण्ड I एवं खण्ड II. राजस्थान हिन्दी ग्रन्थ अकादमी, जयपुर*

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8. POLITICAL SCIENCE**B.A. Part-I Examination-2020****प्रश्न-पत्रों की रूपरेखा**

राजनीति विज्ञान के दो प्रश्न-पत्र होंगे। प्रत्येक प्रश्न-पत्र 3 घण्टे की अवधि का होगा तथा प्रश्न-पत्र के अधिकतम 100 अंक होंगे।

प्रत्येक प्रश्न-पत्र के तीन खण्ड होंगे। प्रथम खण्ड 20 अंको का होगा। इस खण्ड में दो अंकों के 10 अनिवार्य प्रश्न होंगे। जिनमें से प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20-25 शब्दों में देना होगा।

द्वितीय खण्ड 20 अंकों का होगा। इस खण्ड में 05 अंकों के 04 अनिवार्य प्रश्न होंगे, जिनमें से प्रत्येक का उत्तर 150 शब्दों में अपेक्षित होगा।

तृतीय खण्ड 60 अंकों का होगा। इस खण्ड में तीन भाग होंगे। जिनमें प्रत्येक में 20 अंको के दो निबंधात्मक प्रश्न होंगे। परीक्षार्थी से प्रत्येक खण्ड में से एक प्रश्न का उत्तर अपेक्षित होगा। प्रत्येक खण्ड से एक प्रश्न का चयन करते हुए कुल 03 प्रश्नों का उत्तर अपेक्षित होगा।

Scheme of Question Papers

There shall be two papers of political Science. Each question paper shall be of three hours duration and of 100 marks.

Each Question Paper shall consist of three Parts. Part I shall carry 20 marks and shall consist of 10 compulsory questions of 2 marks each to be answered in 20-25 words each.

Part II shall carry 20 marks and shall consist of 4 compulsory questions of 5 marks each to be answered in 150 words each.

Part III of the question paper shall carry 60 marks. This part shall be divided into 3 sections each comprising of 2 essay-type questions of 20 marks each. Candidates will be required to attempt one question from each section (3 questions in all, one from each section)

प्रथम प्रश्न- पत्र राजनीति विज्ञान के मूल आधार**खण्ड 'क'**

राजनीति विज्ञान: परम्परागत और आधुनिक दृष्टिकोण, व्यवहारवाद व उत्तर व्यवहारवाद, अन्तः अनुशासनात्मक दृष्टिकोण, राजनीति विज्ञान का अन्य समाज विज्ञानों से संबंध, अवधारणाएँ: शक्ति, सत्ता व वैधता।

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खण्ड 'ख'

राजनीतिक व्यवस्था, राजनीतिक आधुनिकीकरण, राजनीतिक विकास, लोकतंत्र, निरंकुशतंत्र, राजनैतिक दल व दबाव समूह, प्रतिनिधित्व के सिद्धांत, विधि का शासन व संविधानवाद, शासन के अंग व उसके कार्य (आधुनिक दृष्टिकोण के विशिष्ट संदर्भ में)।

खण्ड 'ग'

राजनीतिक विचारधाराएँ: उदारवाद, प्रत्ययवाद, मार्क्सवाद, लोकतांत्रिक समाजवाद, अराजकतावाद 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
 एस.एन. दुबे : डवलपमेंट एण्ड पॉलिटिकल थाट इन इण्डिया
 इकबाल नारायण : राजनीति शास्त्र के सिद्धांत
 पुखराज जैन : राजनीति शास्त्र के मूल आधार
 पी.के.चड्ढा : राजनीति शास्त्र के मूल आधार
 आर.सी.अग्रवाल : राजनीति शास्त्र के सिद्धांत
 डॉ. बी.एम.जैन एवं चन्द्रा हीरावत : राजनीति शास्त्र के आधार
 अरुण कुमार त्यागी : राजनीति विज्ञान के मूल आधार
 ओ.पी.गाबा : राजनीति विज्ञान के मूल आधार तत्त्व
 रूद्र जैन : राजनीति विज्ञान के सिद्धांत

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Syllabus : B.A. Part-I

द्वितीय प्रश्न -पत्र: प्रतिनिधि भारतीय राजनीतिक विचारक

खण्ड 'क'

मनु, कौटिल्य व शुक्र।

खण्ड 'ख'

राजा राममोहन राय, स्वामी दयानन्द सरस्वती, गोपाल कृष्ण गोखले व बाल गंगाधर तिलक, स्वामी विवेकानन्द।

खण्ड 'ग'

मोहनदास करमचंद गांधी, जवाहर लाल नेहरू, बी.आर. अम्बेडकर, एम.एन. राय, जयप्रकाश नारायण व दीनदयाल उपाध्याय।

Paper- II : Representative Indian Political Thinkers

Section- A

Manu, Kautilya, Shukra.

Section- B

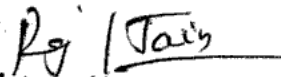
Raja Rammohan Roy, Swami Dayananda Saraswati, Gopal Krishan Gokhale, Bal Gangadhar Tilak, Swami Vivekanand.

Section- C

Mohandas Karamchand Gandhi, Jawahar Lal Nehru, Bhim Rao Ambedkar, M.N.Roy, Jai Prakash Narain and Deen Dayal Upadhyay.

Books recommended: -

- Awasthi and Awasthi : Pratinidhi Bhartiya Rajnitik Chintan
V.P Verma : Aadhunik Bhartiya Rajnitik Avam Samajik Chintan
Purshotam Nagar : Aadhunik Bhartiya Chintan.
Vishnoo 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.
परमात्मा शरण : प्राचीन भारत में राजनीतिक चिन्तन व संस्थाएँ
जे.पी. सूद: मेन करन्ट्स ऑफ इण्डियन पॉलिटिकल थॉट (हिन्दी व अंग्रेजी)
एस.एल.वर्मा व बी.एम. शर्मा : प्रमुख भारतीय राजनीतिक विचारक
वी.पी वर्मा : भारतीय राजनीतिक व सामाजिक चिन्तन।
ओ.पी.गाबा : प्रमुख भारतीय राजनीतिक विचारक
अवस्थी एवं अवस्थी : भारतीय राजनीतिक चिन्तन
बी.एम.शर्मा : प्रमुख भारतीय राजनीतिक विचारक
मधुकर श्याम चतुर्वेदी : प्रमुख भारतीय राजनीतिक विचार


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9. INDIAN MUSIC (Vocal)

B.A. Part-I Examination-2020

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, For Theory 04 Hours Per Week

Note :

1. Candidates are required to opt any one branch separately out of Indian Music (Vocal) and Indian Music (Instrumental-Sitar), which will continue up to Part-III.
2. Each theory paper will contain nine questions having three questions in each section. Candidates are required to attempt five questions in all selecting atleast one question from each section.
3. Candidates must pass separately in each of the paper Theory and Practical wherever prescribed separately.

Paper I

Principles of Indian Music (VOCAL)

Section -A

Paper : I 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, Avartan, 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, Bhoopali, Hindol, Hameer, Des and Bhimpalasi.

Section -B

1. Important and Basic rules regarding Hindustani Music.
2. Writing of the prescribed Talas, with Dugun, Dhamar, Keharva, Trital, Jhaptal, Ektal, Chautal, Dadra.

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Section -C

1. Classification of Indian instruments.
2. Notation writing of Composition in the prescribed Ragas.

Paper II**History of Indian Music (VOCAL)**

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 atleast one question from each section.

Section - A

1. Definition of Raag Lakshan, Nayak, Gayak Kalavant and Gandharava, Adat, Jigar Hisab, Varieties of Gamak Taan.
2. Detailed study of the Notation system of Pt. Vishnu Digamber Paluskar and Pt. V.N. Bhatkhande.

Section - B

1. Contribution of the following g:
Jaideo, Swami Haridas, Amir Khusro, Tansen.
2. General study : Development of Music from 13th to 18th century with special reference to : (a) Religion and Music, (b) Musical Compositions, (c) Musical Instruments.

Section - C

1. Use and description of the following instruments: Tabla, Tanpura and Harmonium.
2. Elementary knowledge of the following dances : Kathak, Bharat Natyam, Kathakali and Manipuri.

Practical (Vocal)

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

(Non-collegiate candidates will have to attend a practical course of forty eight hours at university allotted centres)

Duration of Exam. : I hour per candidate.

Presentation of Ragas & Viva-voce

Max. Marks 120

(Pertaining to general questions on Raga, Laya and Taal and to sing all the Ragas prescribed in the syllabus).

Detailed Course :**Vocal Music**

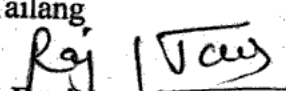
1. To sing a given musical piece and to recognize the raga & swaras when sung.

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2. To show the difference of ragas by means of characteristics swarvistaras and to sing swar-vistar 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 tabla-Dhamar, Tilwara, Trital, Jhaptal, Ektal, Chautal, Kaharva and Dadra.
4. To sing Aroh, Avroh, Pakad and Swar Vistar of the following ragas- Yaman, Bageshree, Bhoopali, Bheempalasi, Alhaiya Bilawal, Hindol, Hameer, and Desh.
5. With the accompaniment of tabla to sing slow khayal and fast khayal with sufficient alaps and taan of different varieties in the following three ragas- (i) Yaman (ii) Bageshree (iii) Bheempalasi.
6. To sing a Fast Khayal or Tarana with sufficient Tanas in any three ragas of the following - (i) Alahaiya-bilawal (ii) Hindol (iii) Hameer (iv) Bhoopali (v) Desh.
7. With the accompaniment of tabla or pakhawaj to sing one Dhruvpad 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

Books Recommended :

1. A Short Historical Survey of the Music of Northern India by Pt. V.N. Bhatkhande.
2. संगीत के जीवन पृष्ठ - एस.एन.राय।
3. Vadya shastra - Shri Harish Chandra Srivastava,
4. Hamare Sangeet Ratna Sangeet Karyalaya, Hathras.
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.)
7. Sangeet Kaumudi-Vikramaditya Singh, V. Nigam.
8. Tan Malika, Pt. III (Uttararadha) by Raja Bhaiya Poonchwale.
9. Hindustani Music : Its Physics and Aesthetics by G.S. Ranade, Sangeet Karyalaya, Hathras.
10. Music of Hindustan - Fox Staug Ways.
11. Origin of Ragas- Bandopadhyaya.
12. The Music of India by H.A. Popley.
13. Hindustani Sangeet Paddyati (Shastra) by Pt. Bhatkhande
14. Sangeet Rasmanjari- Pt. Laxman Bhatt Tailang
15. Sangeet Mani Part-I,II- Maharani Sharma
16. Sangeet Swarit- Ramakant divedi
17. Panchashika Sangeet Vimal Manjari- Pt. Laxman Bhatt Tailang


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OR

INDIAN MUSIC (INSTRUMENTAL-SITAR)**B.A. Part-I Examination-2020****Scheme :**

<u>Number of Student</u> –	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**

<u>Theory</u>	Paper -I	2 Hours Per Week
	Paper -II	2 Hours Per Week

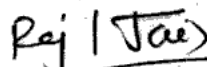
Total Teaching Hours for practical – 06, Theory 04 Hours Per Week**Note :**

1. Candidates are required to opt any one branch separately out of Indian Music (Vocal) and Indian Music (Instrumental-Sitar) which will continue up to Part-III.
2. Each theory paper will contain nine questions having three questions in each section. Candidates are required to attempt five questions in all selecting atleast one question from each section.
3. Candidates must pass separately in each of the paper Theory and Practical wherever prescribed separately.

Paper I**Principles of Indian Music (Instrumental)****Section –A**

Paper : I 3 hrs. duration	Max.Marks 40	Min. Marks 15
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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, Avartan, Theka, Alap, Taan, Bol-alap, Bol-taan, Sargam. Tihai, Maseekhani Gat and Rajakhani Gat. Different strokes of Mijrab, Rhythmic Patterns Produced by Mijrab.


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

Section - B

3. Important and Basic rules regarding Hindustani Music.
4. Writing of the prescribed Talas, with Dugun, Dhamar, Keharva, Trital, Jhaptal, Ektal, Chautal, Dadra.

Section - C

5. Classification of Indian instruments.
6. Notation writing of Composition, Gats in the prescribed Ragas.

Paper II

History of Indian Music (Instrumental)

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 atleast one question from each section.

Section - A

1. Definition of Raag Lakshan, Nayak, Gayak Kalawant and Gandharava, Adat, Jigar Hisab, Varieties of Gamak Taan.
2. Detailed study of the Notation system of Pt. Vishnu Digamber Paluskar and Pt. V.N. Bhatkhande.

Section - B

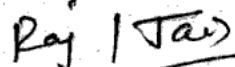
3. Contribution of the following:
Jaideo, Swami Haridas, Amir Khusro, Tansen.
4. General study : Development of Music from 13th to 18th century with special reference to : (a) Religion and Music, (b) Musical Compositions, (c) Musical Instruments.

Section - C

5. Use and description of the following instruments: Tabla, Sitar and Harmonium.
6. Elementary knowledge of the following dances : Kathak, Bharat Natyam, Kathakali and Manipuri.

Practical Instrumental (Sitar)

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


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(Non-collegiate candidates will have to attend a practical course of forty eight hours at university allotted centres)

Duration of Exam. : I hour per candidates.

Presentation of Ragas & Viva-voce

Max. Marks 120

(Pertaining to general questions on Raga, Laya and Taal and to play all the ragas prescribed in the syllabus).

Detailed Course :

Vocal Music

1. To play a given musical piece and to recognize the raga & swaras when sing.
2. To show the difference of ragas by means of characteristics swarvistaras and to play swar-vistar 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 tabla-Dhamar, Tilwara, Trital, Jhaptal, Ektal, Chautal, Kaharva and Dadra.
4. To play Aroh, Avroh, Pakad and Swar Vistar of the following ragas- Yaman, Bageshree, Bhoopali, Bheempalasi, Alhaiya Bilawal, Hindol, Hameer, and Desh.
5. To play a vilambit Gat (विलम्बितगत) and Fastgat (द्रुतगत) with sufficient varieties of Todas and Jhalas in the following Three ragas. (i) Yaman (ii) Bageshree (iii) Bheempalasi.
6. With the accompaniment of tabla to play a Fastgat (nzqrxr) with Todas and Jhalas in any Three ragas of the following (i) Alhaiya-bilawal (ii) Hindol (iii) Hameer (iv) Bhoopali (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.
9. One Sargam

Instrumental Music

Candidate can be offered 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.

Books Recommended :

1. A Short Historical Survey of the Music of Northern India by Pt. V.N. Bhatkhande.
2. संगीत के जीवन पृष्ठ - एस.एन.राय।
3. Vadya shastra - Shri Harish Chandra Srivastava,
4. Hamare Sangeet Ratna Sangeet Karyalaya, Hathras.

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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.)
7. Sangeet Kaumudi-Vikramaditya Singh, V. Nigam.
8. Tan Malika, Pt. III (Uttararadha) by Raja Bhaiya Poonchwale.
9. Hindustani Music : Its Physics and Aesthetics by G.S. Ranade, Sangeet Karyalaya, Hathras.
10. Music of Hindustan – Fox Staug Ways.
11. Origin of Ragas- Bandopadhyaya.
12. The Music of India by H.A. Popley.
13. Hindustani Sangeet Paddyati (Shastra) by Pt. Bhatkhande
14. Sangeet Rasmanjari- Pt. Laxman Bhatt Tailang
15. Sangeet Mani Part-I,II- Maharani Sharma
16. Sangeet Swarit- Ramakant divedi
17. Panchashika Sangeet Vimal Manjari- Pt. Laxman Bhatt Tailang

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50

10.

Public Administration

Scheme :	Max. Marks	Mini ^{Pass} Marks	Time
<u>Two Papers</u>	200	72	
Paper-I	100	36	3 Hours
Paper-II	100	36	3 Hours

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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Paper - I : Elements of Public Administration

Section A

Meaning, Nature of Scope of Public Administration, Importance of Public Administration in Modern Society, Public and Private Administration, Evolution of the study of public Administration. Public Administration as a Social Science, Relationship with other Social Sciences - Political Science, Economics, Sociology, Law and Psychology, Approaches to the Study of Public Administration - Classical and Humanistic.

Section B

Organization - Meaning, Formal and Informal Organization, Principles of Organization Hierarchy, Unity of Command, Span of Control, Coordination, Centralization, Decentralization, Authority and Responsibility.

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

Section C

Budget, Meaning and forms, Principles of Budgeting, Budget as a tool of socio-economic Policy, Personnel Administration : Meaning, Nature and Importance, Nature of Bureaucracy, Civil Service and its Role in a developing Society, Classification, Recruitment, Training, Promotion of Civil Servants, Morale and Motivation in Public Administration.

Books Recommended :

1. A. Awasthi, S.R. Maheshwari, Public Administration.
2. C.P. Bhambhari : Public Administration
3. D.R. Sachdeva and Meena Sogani : Public Administration Concepts and Application.
4. Mohit Bhattacharya : Public Administration.
5. Rumki Basu : Public Administration.
6. M.P. Sharma and B.L. Sadna, Public Administration in Theory and Practice.
7. S.L. Goel, Public Administration - Theory & Practice.
8. Hoshier Singh and Pradeep Sachdeva, Administrative Theory.
9. Ravindra Sharma, Lok Prashashan Ke Tatav.
10. Surendra Katariya, Lok Prashashan Ke Tatav.

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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

Organisation of Working of Ministry of Home and Ministry of Personnel, Pensions & Public Grievances, Major Forms of Public Enterprises - Departments, Corporations and Companies, Committee on Public Undertakings, Financial Administration : Budget Formulation, Budget Enactment and Budget Execution, Comptroller and Auditor General of India, Public Accounts Committee, Estimates Committee.

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.
5. Hoshiar Singh & Mohinder Singh : Public Administration in India : Theory and Practice.
6. पी.एल. फडिया : भारत में लोक प्रशासन
7. पी.डी. शर्मा एवं बी.एम. शर्मा : भारतीय प्रशासन
8. रविन्द्र शर्मा : भारत में लोक प्रशासन
9. सुरेन्द्र कटारिया : भारत में लोक प्रशासन
10. एस.आर. माहेश्वरी : भारतीय प्रशासन

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प्रश्न पत्र -- I : 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 उपागम-शास्त्रीय एवं मानवीय।

द्वितीय खण्ड

संगठन - अर्थ, औपचारिक एवं अनौपचारिक संगठन, संगठन के सिद्धान्त - पदसौपान, आदेश की एकता, नियंत्रण का क्षेत्र, समन्वय, केन्द्रीयकरण, विकेन्द्रीकरण, सत्ता एवं उत्तरदायित्व।

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

तृतीय खण्ड

तृतीय खण्ड

बजट : अर्थ एवं प्रकार, बजट के सिद्धान्त, सामाजिक-आर्थिक नीति के साधन के रूप में बजट, कार्मिक प्रशासन : अर्थ, प्रकृति एवं महत्त्व, नौकरशाही की प्रकृति, लोक सेवा और विकासशील समाज में इसकी भूमिका, वर्गीकरण : लोक सेवकों की भर्ती, प्रशिक्षण, पदोन्नति, लोक प्रशासन में मनोबल एवं अभिप्रेरणा।

अनुशंसित पुस्तकें -

1. ए. अवंस्थी, एस.आर. माहेश्वरी : पब्लिक एडमिनिस्ट्रेशन
2. सी.पी. भाम्भरी : पब्लिक एडमिनिस्ट्रेशन
3. डी.आर. सचदेवा एण्ड मीना सोगानी : पब्लिक एडमिनिस्ट्रेशन : कन्सेप्टस एण्ड एप्लीकेशन्स
4. मोहित भट्टाचार्य : पब्लिक एडमिनिस्ट्रेशन
5. रूमकी बसु : पब्लिक एडमिनिस्ट्रेशन
6. एम.पी. शर्मा एण्ड बी.एल. सडाना : पब्लिक एडमिनिस्ट्रेशन इन थ्योरी एण्ड प्रैक्टिस
7. एस.एल. गोयल : पब्लिक एडमिनिस्ट्रेशन - थ्योरी एण्ड प्रैक्टिस
8. होशियार सिंह एण्ड प्रदीप सचदेव : एडमिनिस्ट्रेटिव थ्योरी
9. रविन्द्र शर्मा : लोक प्रशासन के तत्व
10. सुरेन्द्र कटारिया : लोक प्रशासन के तत्व

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द्वितीय पत्र - भारत में लोक प्रशासन

प्रथम खण्ड

भारतीय प्रशासन की ऐतिहासिक पृष्ठभूमि - ब्रिटिश काल के प्रभावों के विशेष सन्दर्भ में, भारतीय प्रशासन की मुख्य विशेषताएँ, संघीय कार्यपालिका : राष्ट्रपति, प्रधानमंत्री एवं मन्त्रिपरिषद्, केन्द्रीय सचिवालय, मन्त्रिमण्डल सचिवालय।

द्वितीय खण्ड

गृह मंत्रालय, कार्मिक पेंशन एवं लोक शिक्षा मंत्रालय का संगठन व कार्यकरण, लोक उद्यमों के प्रमुख प्रकार : विभाग, लिगम एवं कम्पनी प्रणाली, लोक उपक्रमों की संसदीय समिति, वित्तीय प्रशासन : बजट का निर्माण, बजट का संसद में अनुमोदन एवं बजट का क्रियान्वयन, नियंत्रक एवं महालेखा परीक्षक, लोक लेखा समिति, अनुमान समिति।

तृतीय खण्ड

कार्मिक प्रशासन : भारतीय लोक सेवकों का वर्गीकरण, अखिल भारतीय सेवाओं में भर्ती एवं प्रशिक्षण, प्रशासन पर नियंत्रण : विधायी, कार्यपालिका व न्यायिक नियंत्रण, प्रशासनिक भ्रष्टाचार, लोक परिवेदनाओं का निवारण, प्रशासनिक सुधार, कार्मिक प्रशासन एवं भ्रष्टाचार के विशेष संदर्भ में प्रथम प्रशासनिक सुधार आयोग एवं द्वितीय प्रशासनिक सुधार आयोग का तुलनात्मक अध्ययन।

अनुशासित पुस्तकें :

1. एस.आर. माहेश्वरी : भारतीय प्रशासन
2. पी. शरण : पब्लिक एडमिनिस्ट्रेशन इन इण्डिया
3. रमेश अरोड़ा एण्ड रजनी गोयल : इण्डियन पब्लिक एडमिनिस्ट्रेशन
4. अवस्थी एण्ड अवस्थी : भारतीय प्रशासन
5. होशियार सिंह एवं प्रदीप सचदेवा : भारतीय प्रशासन
6. बी.एल. फडिया : भारत में लोक प्रशासन
7. पी.डी. शर्मा एण्ड बी.एम. शर्मा : भारतीय प्रशासन
8. रविन्द्र शर्मा : भारत में लोक प्रशासन
9. सुरेन्द्र कटारिया : भारत में लोक प्रशासन
10. एस.आर. माहेश्वरी : भारतीय प्रशासन

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11 DRAWING & PAINTING

B.A. Part-I Examination-2020

SCHEME :

Theory Paper I	Duration	Maximum Marks	Min. Pass Marks
Fundamentals of Arts	3 hrs.	90	32 ^{1/2}
Practical Paper II			
Part A- Study from object	3 hrs.	45	
Part B-Creative Design	3 hrs.	45	32 ^{1/2}
Submission of Works	3 hrs.	20	07
Total		200	72

Paper I : Fundamental of Art

Note : The paper consist of two parts :-

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

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

Section - A

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

Art Techniques and Materials - Fresco - Bono and Secco, Wash and Wash, Graphic Art - Lino, Wood Cut, Etching, Colograph, Lithograph etc., Colour Media and Technique - Oil, Water, Acrylic, Tempera, Pastel.

Books Recommended :

1. Survey of Indian Sculpture - S.K. Saraswati.
2. Bhartiya Murtikala - Rai Krishna Das. Nagri Pracharini Sabha, Varanasi (Kashi) AD 2030
3. Bhartiya Murtikala - Rama Nath Mishra.
4. Kala Ke Pran Buddha - Jagdeesh Gupta.
5. Studies in Indian Art - V.S. Agarwal.
6. Saga of Indian Sculpture - K.M. Munshi
7. Roop Prad Kala Ke Mooladhar - Shri Kumar Sharma, R.A. Agrawal. International publishing house, Meerut, 2004.
8. Fundamentals of Design - Donald M. Enderson.


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9. Visual Dialogue - Nathan Knobler, New York, 1971
10. कला के नवीन स्वरूप - नरेन्द्र सिंह यादव, अजय यादव, राजस्थान हिन्दी ग्रन्थ अकादमी, जयपुर, 2015

Paper – II Practical

Part-A

Study from Objects

Medium water colour size $\frac{1}{4}$ 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 $\frac{1}{4}$ 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

- 3 plates of pencil shading and 5 plates of study from objects with water colour.
- 8 plates of creative design.
- 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:

- Candidate should pass in theory as well as in practical paper separately.
- There should be minimum 10 hours for the regular study including two hours for sketching.
- Minimum three demonstrations should be arranged by the subject expert during the session for each practical paper.
- The Department should also arrange for an Educational tour to Ancient Art centres like Ajanta, Ellora, Elephanta, Khujraho, Mahabalipuram etc. once a year.
- 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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12. SOCIOLOGY**B.A. Part-I Examination-2020**

Scheme:

Max. Marks 200

Min. Pass Marks 72

Paper-I 100 3 hrs. duration

Paper-II 100 3 hrs. duration

नोट : समाजशास्त्र के दो प्रश्न-पत्र होंगे। प्रत्येक प्रश्न-पत्र 3 घण्टों में विभाजित होगा। प्रत्येक प्रश्न-पत्र के दो भाग होंगे। प्रथम भाग 40 अंको का होगा। इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंको के एक प्रश्न में, एक-एक अंक के 20 लघु प्रश्न होंगे तथा प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20 शब्दों में देना होगा। दूसरे अनिवार्य प्रश्न के अंतर्गत दो-दो अंको के 10 प्रश्न होंगे। प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 40 शब्दों में देना होगा। निर्धारित शब्द सीमा से अधिक शब्दों में उत्तर देने पर अंक काटे जा सकेंगे। प्रश्न-पत्र के लिए निर्धारित कुल 3 घण्टों की अवधि में से अधिकतम 1 घंटे की अवधि प्रश्न-पत्र के इस भाग के लिए निर्धारित होगी।

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

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

Note: There shall be two papers in all, and each paper shall be of three hours duration and of 100 marks. Each paper shall consist of two parts. Part I shall carry 40 marks. There shall be 2 questions in Part-I, first question will consist of 20 short questions of 1 mark each, carrying a word limit of 20 words. The second question will consist of 10 questions of 2 marks each, carrying a word limit of 40 words. Marks may be deducted if the word limit is exceeded. This part of the question paper will be given maximum one hour duration and shall relate to all the three sections covering thereby the entire course.

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

Paper I: Introduction to Sociology**Max Marks: 100****Unit 1: Understanding Sociology**

- Origin of Sociology, Meaning, Nature, Subject Matter and Scope of Sociology.
- Sociology and other Social Sciences.
- Scientific and Humanistic Perspectives.

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Unit 2: 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 3: Dynamics in Sociology

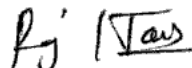
- Social Stratification: Concept, Forms and Theories (Functional and Marxist).
- Social Change and Mobility: Concept and Forms, Theories of Social Change (Linear, Cyclical).
- Socialization: Concept, Stages and Theories (Sigmund Freud, G.H. Mead and C.H. Cooley).

Essential Readings: (in English):

1. Beteille Andre, 2002: Sociology: Essay on Approach and Method, New Delhi: OUP
2. Bottomore, T.B. 1972: Sociology: A Guide to Problems and Literature,
3. Bombay: George Allen and Unwin (India). (Hindi Edition also)
4. Davis, Kingsley, 1981: Human Society, Delhi: Surjeet Publications.
5. Giddens Anthony, 2005: Sociology, London, Polity Press
6. Harlambos, M: 1998: Sociology: Themes and Perspectives. New Delhi: Oxford
7. Inkeles, Alex. 1987: What is Sociology? New Delhi: Prentice-Hall of India Pvt Ltd.
8. Jayaram, N. 1988: Introductory Sociology, Madras: Macmillan India.
9. Johnson, Harry M. 1995: Sociology: A Systematic Introduction. New Deih: Allied Publishers.
10. Rawat, H.K. 2007: Sociology: Basic Concepts, Rawat Publications, Jaipur.
11. Rawat, H.K. 2013: Contemporary Sociology, Rawat Publications, Jaipur
12. Schaefer, Richard T. and Robe i P. Lamun. 1999: Sociology, NewDelhi, Tata McGraw Hill.
13. Singh J.P. 2008: Sociology: Concepts and Theories, Prentice-Hall of India Pvt. Ltd.

Essential Readings: (in Hindi):

1. सिंधी, नरेन्द्र कुमार एवं गोस्वामी, वसुधाकर, 2007, समाजशास्त्र विवेचन, जयपुर : राजस्थान हिन्दी ग्रन्थ अकादमी
2. आहूजा, राम एवं आहूजा, मुकेश, 2008, समाजशास्त्र विवेचना एवं परिपेक्ष्य, जयपुर : रावत पब्लिकेशन्स
3. दोषी, एस. एल. एवं जैन पी. सी., 2006, समाजशास्त्र नई दिशाएँ, जयपुर : रावत पब्लिकेशन्स
4. सिंह, जे. पी., 2008, समाजशास्त्र : अवधारणाएँ एवं सिद्धान्त, नई दिल्ली : प्रेंटिस हाल ऑफ इण्डिया प्राइवेट लिमिटेड
5. सिंह, जे. पी., 2008, आधुनिक भारत में सामाजिक परिवर्तन, नई दिल्ली : प्रेंटिस हाल ऑफ इण्डिया प्राइवेट लिमिटेड
6. मैकाइवर, आर. एम. एवं पेज चार्ल्स एच. 1992 : समाज (एक परिचयात्मक विश्लेषण), आगरा : रतन प्रकाशन मन्दिर (अनुवादक जी. विश्वेश्वरया एवं रामपाल सिंह गौड़)


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60
Paper II: Society in India

Max Marks: 100

Unit 1: 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 2: Basic Institutions of Indian Society

- Family, Marriage and Kinship: Meaning, Forms and Challenge.
- Caste and Class: Meaning, Forms and Changing Patterns.

Unit 3: Challenges & Problems before Indian Society

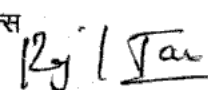
- Casteism, Communalism, Regionalism.
- Corruption, Drug Abuse, Crime against Women and Children.
- Problems of Ageing.

Essential Readings: (in English):

1. Ahuja, Ram, 1993: Indian Social System, Jaipur: Rawat Publications.
2. Ahuja, Ram, 2002: Society in India: Concepts, Theories and Recent Trends, Jaipur: Rawat Publications.
3. Ahuja, Ram, 2014: Social Problems in India, Jaipur : Rawat Publications.
4. Atal, Yogesh, 2008: Changing Indian Society, Jaipur: Rawat Publications.
5. Bose, N.K. 1967: Culture and Society in India, Bombay: Asia Publishing House.
6. Bose, N.K. 1975: Structure of Hindu Society, New Delhi.
7. Dube, S.C. 1990: Society in India, New Delhi: National Book Trust.
8. Mandelbaum, D.G., 1970: Society in India, Bombay: Popular Prakashan
9. Nagla, B.K. 2013: Indian Sociological Thought, Jaipur: Rawat Publications
10. Sharma K.L., 2007, Indian Social Structure and Change, Jaipur: Rawat Publications
11. Singh, Yogendra, 1994: Modernization of Indian Tradition, Jaipur: Rawat Publications
12. Srinivas, M.N., 1963: Social Change in Modern India, California: University of California Press.
13. Srinivas, M.N., 1980: India: Social Structure, New Delhi: Hindustan Publish

Essential Readings: (in Hindi):

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


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13. HOME SCIENCE**B.A. Part-I Examination-2020****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.

Eligibility

- Those students who have passed 12th class or intermediate under the scheme of 10+2 with minimum 48% marks in aggregate are eligible for admission in BA (Part I)

Learning Outcome of the Course

The following learning outcomes of this course are :-

- The course will enable the students to have an in depth understanding of the several concerns pertaining to family and community. After program of study they shall become more effective and better at handling the requirements of their family and community related to nutrition, human relationships, resource management and textiles and clothing.
- The student shall have knowledge about management of family resources and be able to do designing of interiors and plan their housing requirements.
- They shall have knowledge about the nutritional requirements through the various stages of life cycle and shall learn skills for cooking various food groups. They shall also have a basic knowledge about therapeutic nutrition and management of simple illnesses.
- The students shall have an understanding of family and lifespan development; and shall learn about the developmental milestones. It will enable them to achieve balance in their family relationships.
- This course will give them knowledge about textiles and clothing, and will help them in selection of appropriate textiles and apparel. It will provide them with basic stitching and finishing skills.
- They will also have an understanding of the reproductive issues of women through various stages, and shall enable them to care for new born, infants, pregnant and lactating mothers.
- The vocational training options shall enable the students to take up an area of their interest and convert it into a profitable enterprise. They can opt for event management, food preservation, nutrition education programs, early childhood education, dyeing and printing or extension activity management.

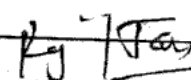
BA Home Science Part I

Paper	Subjects	Duration of exam	Maximum marks	Minimum marks	No. of hrs/wk
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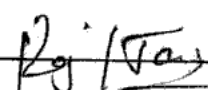
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Theory Paper I	Family Resource Management	3hrs	50	18	4
Practical I	Family Resource Management	3hrs	50	18	2
Theory Paper II	Foods & Nutrition	3hrs	50	18	4
Practical II	Foods & Nutrition	3hrs	50	18	2
		Total	200	72	12

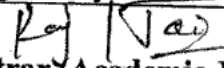
B.A. PART I	
FAMILY RESOURCE MANAGEMENT (THEORY PAPER I)	
Maximum Marks: 50	
Minimum Marks: 18	
Teaching workload: 4 hrs /week	
Total teaching workload: 96 hrs/ year	
Learning Outcomes	
<ol style="list-style-type: none"> 1. Students will develop an insight in managing family resources i.e. time , money, and energy. 2. The procedure of handling money and savings and investment will be learnt. 3. There will be a general insight regarding consumer rights and responsibilities. 4. Students will develop an insight in house planning and interior decoration 	
Objectives :	
<ol style="list-style-type: none"> 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	Hours
1. Function & family need of housing	2
2. Principles of house planning: aspect, prospect, grouping of room, roominess, privacy, orientation, circulation, flexibility, spaciousness, aesthetics economy, ventilation services	7
3. Site selection: <ul style="list-style-type: none"> • Vegetation: <ol style="list-style-type: none"> i. size ii. soil types drainage iii. contour (shape) iv. orientation 	3
4. Elements and principles of arts and design as related to interior decoration with specific reference to color and light	8
5. Floor decoration with use of elementary art	8


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6. Table setting & etiquettes	2 1
UNIT II	
Interior designing	
7. Room arrangement and decoration - arrangement of furniture, furnishings and accessories in various rooms.	8
8. Kitchen planning, importance of counters, storage, principles, working heights.	8
9. Selection and care of household equipment (without reference to any specific equipment)	2
10. Household waste & its management by 3R	4
11. Flower decoration	5
• Basic equipments	
• Vases and containers	
• Preparing plant material	
• Shaping an arrangement	
12. Furniture	4
• Types of furniture	
• Selection use & care	
• Arrangement of furniture in various rooms	
13. Consumer problems, rights & responsibilities	3
14. Seeking redressal to consumer problems with special reference to consumer courts	5
UNIT-III	
Resource Management	
15. Meaning, definition and importance of home management	4
16. Process of management:	5
• planning,	
• Organization,	
• Implementation,	
• controlling and evaluation	
17. Introduction to motivational factor (meaning and types)	5
• Values	
• Goals	
• Standards	
• Decision Making	
• Resources	
18. Time management:	5
• Tools in time management	
i. Time cost	
ii. Time norms	
iii. Peak loads	
iv. Work curve and rest periods	
• Process of managing time	
19. Energy Management:	
• Process of energy management	


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<ul style="list-style-type: none"> • Fatigue • Body mechanics • Works simplification -Mundel's Classes of changes • Ergonomics: Meaning, importance & its components <p>20. Money Management</p> <ul style="list-style-type: none"> • Family Income: sources & type • Budget: Definition & Process of budget making • Saving, investment and raising housing loan: <ul style="list-style-type: none"> i. Definition & Objectives ii. Channels: bank, insurance, post office <p>NOTE: Seminar presentations on selected topics from unit I and unit II</p>	7
<p>References:</p> <ol style="list-style-type: none"> 1. Agarwal S (2009). Grah Prabandh Manual. Shivam book house. Jaipur. 2. Birrel Verla Leone (1967). Colour and Design. A Basic Text (Vol. I & II). Digest submitted in requirement for the degree of education in Teacher college Columbia university 3. Bryan Lawson (1980). How Designer Think. Architectural press Ltd. 4. David H, Bangs Jr. The market planning guides. Gougotera Publishing. 3rd Ed 5. Don Welers (1974). Who buys- A Study of the Consumer. 6. Donnelly JH, Gibson JL and Ivancevich JM (1995). Fundamental of Management. Chicago. 7. Fisher CD (1997). Human resource management Chennai: All Indian publishers and distributors. 8. Gillat M & Goldstein V (1967). Art Everyday Life. Oxford & IBH publishing Co. New Delhi. 9. Goldsteim M & Goldstein V (1967). Art Everything Life. Mc Graw hill Books Comp. Ltd. New York. 10. Gross I & Crandall E (1963), Management for Modern families, Appleton Counter Contry Craft. New York. 11. Gross IH Crandall, Crandall EW and Knoll MM (1980). Management for modern families. Macmillan. 12. Halse Altert O (1978). The use of colour in interior. Mc Graw Hill Books Comp. Ltd. New York. 2nd Ed. 13. Harburgsen Gaillhyn (1980). Design Concepts. Allyn & Bacon Inc. 14. Kale MG (1998). Management and human resources. 15. Kolter Philip, Armstrong Greg (1992). Principles of Marketing. Prentice Hall of Indian, New Delhi. 5th Ed. 16. Leland, J. Gordon, Stewart, M, Lee (1974). Economics and consumer. S'Van Nostrand Co. New York. 7th Ed. 17. Mullick, Premlata (2000). Textbook of Home Science. Kalyani Publishers, New Delhi. 18. Nickell P and Dosery JM (1970). Management in family living. Wiley Eastern Ltd. 	


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New Delhi.

19. Patani M (2010). Home Management. Star publication, Agra.
20. Sethi M and Seetharaman P (1994). Consumerism- A growing concept. Phoenix Publishing House, New Delhi.
21. Sherlekar SA (1990) Trade Practices & consumerism. Himalaya Publishing House. , Mumbai.
22. Steidle RE & Bratton EC (1968). Work in the Home. John Wiley and Sons. New York, London.
23. Thomson CH (1970). Home with Character. Massachusetts. C. Heath & Co. Lexington. III rd Ed.
24. Varghese MA, Ogle M, Srinivasan K (1985). Home Management. Wiley Eastern Publishers, New Delhi.

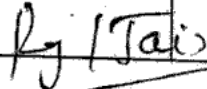
FAMILY RESOURCE MANAGEMENT (PRACTICAL I)

Maximum marks: 50
Minimum marks: 18
Teaching workload: 1 practical/ week (2 hours/ practical)
Total teaching workload: 24 practical/ batch

- Objectives:**
1. To help students understand various banking procedures.
 2. To help students understand house planning and interior decoration.

Contents: **Hours**

<ol style="list-style-type: none"> 1. Project work on money management: <ul style="list-style-type: none"> • How to open various accounts in the bank. • Filling up of slips/forms of bank and post office. <ol style="list-style-type: none"> 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) 6. Cleaning of wood, stone, tiles, metal & glass. 7. House plans : <ul style="list-style-type: none"> • For various income groups (LIG,MIG,HIG) <ol style="list-style-type: none"> i. Drawing of architectural symbols of house plan ii. Architectural symbols of electricity plan iii. Furniture symbols • Rooms (making any one paper model) <ol style="list-style-type: none"> i. Drawing Room ii. Dining cum leaving room iii. Children study room iv. Bed room 	<p>4</p> <p>2</p> <p>2</p> <p>1</p> <p>1</p> <p>1</p> <p>6</p> <p>3</p>
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v. Pooja Room • Kitchen planning (making any one paper model) <ul style="list-style-type: none"> i. One wall ii. Two wall iii. L shape iv. U shape 	4
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Examination scheme:

Total Marks: 50 marks
Major: house plan/paper plan of rooms/paper plan of kitchen : 15 marks
Minor - I: Table setting/flower arrangement: 8 marks
Minor - II: Floor decoration/cleaning/filling of forms: 7 marks
Internal - 20 marks

FOODS & NUTRITION(THEORY PAPER II)

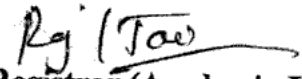
Maximum Marks: 50
Minimum marks: 18
Teaching workload: 4 hrs /week
Total teaching workload: 96 hours/week

Learning outcome:
 After studying the subject, the student will possess the basic knowledge of food groups, nutrients and basic metabolism related to nutrition in humans. This will further help them in the selection of healthy diet. Knowledge of various cooking methods and meal panning will enable them to cook and select healthy foods for themselves and their families. This subject will also give them basic understanding about nutritional needs in the various stages of life cycle and during disease.

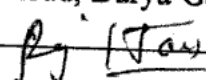
- Objectives:-**
1. To give knowledge about basics of nutrition, nutrients and metabolism.
 2. To give knowledge about meal planning for families and individuals.
 3. To give knowledge about Normal & Therapeutic nutrition.
 4. To give knowledge about Nutritional problems of public importance.

Contents	Hours
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Unit I	
1. Definition of foods and nutrition, 5 basic food groups, balanced diet 2. Function of food: <ul style="list-style-type: none"> • Physiological – hunger, appetite, satiety • Psychological • Social, economic, cultural 	4
3. Functions, sources, daily allowances of: <ul style="list-style-type: none"> • Macro nutrients <ul style="list-style-type: none"> i. Carbohydrates ii. Proteins iii. Fats 	6


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<ul style="list-style-type: none"> • Micro nutrients <ul style="list-style-type: none"> i. Minerals – calcium, iron, iodine, fluorine ii. Vitamins <ul style="list-style-type: none"> Water soluble – B complex vitamins, vitamin C Fat Soluble – A, D, E & K 	15
<ul style="list-style-type: none"> • Water 	2
<ul style="list-style-type: none"> • Energy metabolism <ul style="list-style-type: none"> i. Contributors of energy ii. BMR and factors affecting BMR 	5
Unit II	
<p>4. Meal Planning</p> <ul style="list-style-type: none"> • Importance and factors affecting meal planning • Factors affecting food intake • Sample menu for adult male and female 	4
<p>5. Normal nutrition – nutritional requirements, physiological demands, problems, dietary guidelines for:</p> <ul style="list-style-type: none"> • Pregnancy • Lactation • Infancy (with special emphasis on breastfeeding and complementary feeding) • Preschool child • School going children • Adolescent • Adult • Elderly person 	26
Unit III	
<p>6. Therapeutic nutrition</p> <ul style="list-style-type: none"> • Modification of normal diet to therapeutic diet • Dietary management of the following: <ul style="list-style-type: none"> i. Weight management – obesity, underweight ii. Diseases of gastrointestinal tract – indigestion, diarrhea and constipation iii. Fever 	22
<p>7. Nutritional importance of public health importance and their management:</p> <ul style="list-style-type: none"> • Protein Energy Malnutrition • Anemia • Vitamin A deficiency 	10
References:	
<ol style="list-style-type: none"> 1. Srilakshmi B (2011). Dietetics. New Age International Publishers 2. Srilakshmi, B. Food Science , new Age International (P) Ltd. Publishers, New Delhi, 3. Swaminathan MS(2010) Aahar evam Poshan, NR Brothers,MY Hospital Marg, Indore, 4. Kumud Khanna,Sharda Gupta, Santosh Jain Passi, Rama Sethi, Ranjana Mahna & Seema Puri (2005), Elite Publishing House Pvt. Ltd. Ansari Road, Darya Ganj, New Delhi 	


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5. Mudambi, S.R. and Rajagopal. M.V., 1997 Fundamentals of Foods & Nutrition, New Age International (P) Ltd, New Delhi.

FOODS AND NUTRITION (PRACTICAL II)

Maximum marks: 50

Minimum marks: 18

Teaching workload: 1 practicals/ week (2 hours/ practical)

Total teaching workload: 24 practicals/ batch

Learning outcome:-

This practical will enable the students to learn basic cooking skills and various methods of cooking used. It will help them to plan and prepare appropriate dishes for people of various age groups. They will learn about dietary management of various diseases.

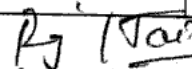
Objectives:-

1. To give knowledge about basics of methods of cooking.
2. To learn cooking of various food groups.
3. To understand about planning for Normal & Therapeutic nutrition.
4. To learn to plan and prepare foods for various nutritional problems of public importance

Contents:

Methods of cooking: - Preparation of any four dishes by using the different methods of cooking (Steaming/Simmering/Frying/Baking/Roasting):

- | Contents: | Hours |
|---|-------|
| <ul style="list-style-type: none"> • Preparation of Beverages – Tea (hot & iced), Coffee (Hot & Cold), Chaach, lassi, milk shakes, fruit punch (using squashes & fresh fruits), lemonade, jaljeera, aamla shake, aam panna, mocktails (any 2) mirinda shake. | 2 |
| <ul style="list-style-type: none"> • Cereal cookery – Chapaati, puri (Plain, missi), Parantha (Stuffed, plain), rice, Cheela, bhatura, Idli, Muthia mathri (namak para, shakkar para), chowmein, pizza, sandwiches (open toasted & vegetable), Cake, Biscuit, Nan khatai | 2 |
| <ul style="list-style-type: none"> • Legumes & pulses - daal (plain & daal fry), rajma, chhole, dal makhani, kadhi mangodi, dahivada, dal pakodi, besan pakodi, sprout chaat, dal halwa. Dhokla, muthia, Kadhi | 2 |
| <ul style="list-style-type: none"> • 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, kadhai panner, shahi paneer), baked vegetables, soups (clear & cream), salads & salad dressings (mayonnaise, lemon, vinegar). | 4 |
| <ul style="list-style-type: none"> • Milk & Milk products – Paneer, khoa, curd, shrikhand, kheer, rabri, fruit custard, raita, fruit cream, Kheer, Custard, Stews- apple & pear | 2 |
| <ul style="list-style-type: none"> • Savory food preparation- dosa, uttapam, mixed veg cutlets, hara bhara kabab, burger, samosa, kofta, kachori, vada, pav bhaji, sago khichri, bhelpuri. | 2 |


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<ul style="list-style-type: none"> • Sweets- jalebi, sandesh, laddu, coconut barfi, gujiya 	2
Meal planning for <ul style="list-style-type: none"> • Exchange Lists • Adult man/woman • Pregnant Woman • Lactating Woman • Packed lunch for school going child • Elderly 	1
	15
Examination scheme:	
Total Marks: 50 marks	
1. Major problem - Meal Planning and preparation of one dish for any one of the following <ul style="list-style-type: none"> • Pregnant woman • Lactating woman • Packed lunch for school going child adult man / woman • Elderly 	20 marks
2. Minor Problem - Preparation of one dish from <ol style="list-style-type: none"> 1. Any one method of cooking 2. Any one food group (cereals, vegetable, milk etc.) 	10 marks
3. Internal -	20 marks

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4. TEXTILE CRAFT

B.Sc / B.Com | B.A. Part-I Examination-2020

B.Sc.
Scheme: B.A/B.COM PART-I

		<u>DURATION</u>	<u>MAX.MARK</u>	<u>MIN.MARK</u>
(i)	Theory:	One paper	3Hrs	60
(ii)	Practical:	One	3Hrs	80
(iii)	Submission:	Two		60
				22

(Theory): Introduction to Textile Craft**UNIT-I**

1. Introduction to Textiles
2. Definition of fibre, Properties of textile fibres, Primary & Secondary properties.
3. Classification of fibres
4. Production, manufacturing, properties and uses of Natural vegetable fibres- cotton, linen and jute
5. Yarn manufacture by Takli and Charkha

UNIT-II

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

UNIT-III

1. Concept of colours, Colour Wheel, Colour schemes, Achromatic & Monochromatic colours
2. Dyes and Pigments (colourless dyes)
3. Classification of Dyes
4. Dyeing of cotton fabric by Tie and Dye process
5. Fabric finishes- Introduction and Importance, basic finishes- bleaching, scouring, singeing, mercerising

(Practical):**Samples preparation**

- (i) Tie and Dye (Marbling, pleating & folding, laheria and bandhej)

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- (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 Preparation and Painting

Submission:

Develop any two products

- (i) Dupatta / scarf/table cover using tie and dye
- (ii) Cushion cover or table mats using hand painting or stencil painting

Examination Scheme:

Major Problem: 50 Marks

Tie and dye/ stencil printing / hand painting on a product

Minor Problem: 30 Marks

Preparation of any weave or colour scheme

Reference books :

Dantyagi, S. (2012) Fundamental of Textiles, Orient Blackswan private limited.

Gohl, E. P. G. & Vilensky, L.D. (2005) Textile Science, CBS publishers & distributors PVT.Ltd. New Delhi

Taggart, W. (1920) Cotton Spinning, London; New York: Macmillan. London

Bannerjee, N.N. (1986) Weaving Technology, 9th edition, Textile book house

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15. Garment Production & Export Management

B.Sc. / B.Com. / B.A. Part-I Examination-2020

PAPER- I: UNDERSTANDING TEXTILES

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

Hrs.3

B.Sc. M.M. 50

OBJECTIVES: -

1. To know different textile fibers & their performances.
2. To gain knowledge on different textiles fiber processes and finishes.
3. To become familiar with traditional textiles & embroideries of India.
4. To understand the selection criteria's of clothes

SECTION A: Textile Technology

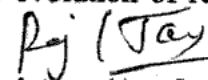
1. Textile fibers: : General properties of Natural Fibers – Cotton, Wool, Silk, Regenerated – Rayon, Acetate
Synthetic Fibers – Nylon, Acrylic
2. Fibers to yarn : The basic process involved in making yarns including blending, carding, combing, mechanical and chemical spinning
3. Fabric construction : Weaving: plain, twill, & satin weave
4. Fabric Finishes : Calendering, mercerization and tentering

SECTION B : Traditional Textile

5. Woven fabrics : Dacca muslin jamdani, chanderi, brocade baluchari, kashmiri shawls, doria, kanjivaram
6. Dyed Fabrics : Bandhej, ikat, patola.
7. Printed Fabrics : kalamkari, madhubani
8. Traditional embroideries of India :
 - a) Kashida of Kashmir
 - b) Kasuti of Karnataka
 - c) Manipuri
 - d) Chamba rumal of Himachal Pradesh
 - e) Kantha of Bengal
 - f) Phulkari of Punjab
 - g) Chikankari of Uttar Pradesh

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


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References:

1. Corbman, B. P. (1983). Textiles fibre to fabric. Mc Graw Hill education.
2. Phyllis, G. T., & Billie J. C. (2009). Understanding textile. Pearson publication.
3. Naik, S.D. (1996). Traditional Embroideries of India. APH publishing.
4. Bhatnagar, P. (2009). Traditional Indian costumes and textiles. Abhishek publication.
5. Dhantiyagi, S. (2012). Fundamentals of textile and their care. Orient Black swan.
6. Singh, B. Vastra vigyan avam paridhan.
7. Marjory, J. L. (1966). Introductory textile science. Holt McDougal.
8. Marjory, J. L. (1976). Essentials of textiles. Holt McDougal.
9. Jain Ruby and Rathore Girja, Design, Fashion and Garment Production, CBH publication Jaipur 2019.

PAPER – II**BUSINESS AND GARMENTS INDUSTRIES****B.A/B.Com.-M.M.60****Hrs.- 3****B.Sc.- M.M.50****OBJECTIVES:** - To enable students to:-

1. Acquaint with different types of Business ownership.
2. Understand merchandising in Apparel Industries.
3. Understand the garment industry and project planning.

SECTION-A BASICS OF BUSINESS

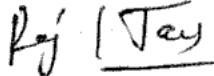
1. Meaning and scope of business with special reference to garment export trade in India
2. The important factors to be considered at the same time of commencement of business - legal, economical, and social
3. Different types of business-
 - a) individual organization
 - b) partnership
 - c) co-operative
 - d) public sector
 - e) company
4. Objectives, importance and utility of book keeping.

SECTION – B MERCHANDISING THEORY

5. Introduction to fashion merchandising. merchandising planning, scheduling, buying and evaluation
6. Visual merchandising.
7. Careers in Apparel industries.

SECTION –C GARMENT INDUSTRY

8. Project planning for garment production unit.


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- 9. Production and storage space, laundry area of garment industry.
- 10. Site selection for unit
- 11. Budgeting for garment production unit.

Referances :

- 1. Kaplan, S. R. & Anthen A. A. (2014). Management. Darling kindesley Pearson education.
- 2. Frings, G.S. (2007). Fashion from concept to consumer. Pearson G edition.
- 3. Jindal, R. (1998). Handbook of fashion; best drafting techniques. Mittal publications.
- 4. A.K. Sharma , S. Sharma, R. Nagar, A. Jain, S. A. Bakshi, 2016, Entrepreneurship and small business management (Hindi) 1st ed. Ajmera Book Company, Jaipur

PRACTICAL - 1
BASICS OF GARMENT CONSTRUCTION

B.A./B.Com.- M.M. 80

B.Sc. - M.M. 50

Hrs. 4

OBJECTIVES: - To enable students to:-

Develop skill in understanding all stitching technique.

Develop expertise in basic and traditional embroidery which gives creative, decorative and ornamental effect on dress.

Contents

1. Sample making :

Basic seams - Basting (even, uneven) back stitch, blanket)

Hems - visible, invisible

Lace edging - (machine)

Gathers - (machine), darts

Pleats - knife, box, inverted box

Frills one side, two sided

Tucks - pin, cross, shell

Fasteners - hook , press button, shirt button, button hole, loop with button, zip

Plackets - continuous, two piece

Pockets - patch, bound, inseam, kurta

Edge finishing - 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

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

Examination Scheme:

B.A.\B.COM:-Max Marks:-80

B.Sc:-Max Marks:-50

1. Major Problems:-40

2. Minor Problems:-25

Internal:-15

1. Major Problems:-20

2. Minor Problems:-20

Internal:-10

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16. 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.
2. Simple Analytical techniques : Weighing of solids and liquids; Preparation of solutions : Simple acid-base titration.
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, Phosphorus, Copper, Iron and Calcium.
8. Electrolytes in various tissue fluids in health and disease.
9. Gastric Analysis- Functional test of Liver, Kidney Pancreas and alkalosis, acidosis.

Section-B General Bacteriology (Teaching Period 30)

1. Microbial World.
2. Structure of bacterial cell; functions of cell organelles.
3. Sterilization and disinfection.

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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 land marks in surface anatomy for L.M. and I.V. injection in adults, children and infants
3. Musculo- Skeleton and Respiratory system.
4. C.V.S. (Cardio Vascular System) circulation.
5. G.I.I.T. (Gastro Intestine Tract), Liver, Gallbladder & Pancreas.
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 : Hematology (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.
4. Blood coagulation.
5. Anaemias-classification, diagnosis.

Practicals

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

Unit-I : Bio-Chemistry

1. Glassware use in 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.

Syllabus B.A. Part-I

- 5. Collection, coding, preservation and disposal of biological specimen material for biochemical analysis.
- 6. Principles of Colorimetry and verification of Lumber-Bear's Law.
- 7. Bio-chemical estimation of-
 - (a) Sugar
 - (b) Urine
 - (c) Stool
 - (d) Protein
 - (e) A.G. ratio.
- 8. Detection of Organic poisons like opium, opium and vomice.
- 9. Detection of Inorganic poisons like cooper, arsenic, antimony, tin, murcery, lead, barium and zinc phosphate, cyanides & insecticides.

Unit-II General Bacteriology and Hematology

General Bacteriology :

- 1. Introduction to microscopy, various types of microscopes and their uses.
- 2. Wet bacteria's 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, aspirations.

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.
- 6. Estimation of Hemoglobin by comparator and colorimeter.

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MATHEMATICS

B.A. Part-I Examination-2020

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

Examination Scheme :		Min.Pass Marks	Max. Marks
Science –		54	150
Arts –		72	200
		Duration	Max.Marks
Paper – I	Discrete Mathematics	3 hrs.	40 (Science) 53 (Arts)
Paper – II	Calculus	3 hrs.	40 (Science) 53 (Arts)
Paper – III	Analytic Geometry and Optimization Theory	3 hrs.	40 (Science) 54 (Arts)
Practical	Optimization Techniques	2 hrs.	30 (Science) 40 (Arts)

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.

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.

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Unit 1 : Sets, Cardinality, Principal of inclusion and exclusion, Mathematical induction, Relations and Functions, Binary relations, Equivalence relations and partitions, Partial order relations and Lattices, Chains and Anti-chains. Pigeon hole principle.

Unit 2: Boolean Algebra- Lattices and Algebraic structure, Duality, Distributive and Complemented Lattices, Boolean Lattices, Boolean functions and Boolean expression. Fundamental theorem of arithmetic, Divisibility in \mathbb{Z} , Congruence's, Chinese remainder theorem, Euler's functions, Primitive roots.

Unit 3: Logic and propositional calculus, Simple and compound propositions, Basic logical operations, Truth tables, Tautologies and contradictions, Propositional functions, Quantifiers. Discrete numeric functions, Generating functions, Recurrence relations and Recurrence algorithms, Linear recurrence relation with constant coefficients and their solutions, Total solutions, Solution by the method of generating functions.

Unit 4: Basic concepts of graph theory, Types of graph (Connected Graphs, Regular graphs, Planar graphs), walk, Paths & Circuits, Shortest path problem. Operations on graphs (union, join, products)

Unit 5: Matrix representation of graphs, Adjacency matrices, Incidences matrices, Tree, Spanning tree, Minimum spanning tree, Distance between vertices, Center of tree, Binary tree, Rooted tree. Hamiltonian and Eulerian graphs

Reference Books:

1. K.H. Rosen, Discrete Mathematics and it's Applications, McGraw Hill, 1999.
2. N.L. Biggs, Discrete Mathematics, Oxford Science Publication, 1985.
3. C.L. Liu and D.P. Mohapatra, Elements of Discrete Mathematics, Tata McGraw Hill, 2008.
4. T. Koshy, Discrete Mathematics with Applications, Academic Press, 2005.
5. N. Deo, Graph Theory, Prentice Hall of India, New Delhi, 2004.

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 , $\log_e(1+x)$, $(1+x)^n$.

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Unit 2: Derivative of the length of an arc. Pedal equations. Curvature – Various formulae, Centre of curvature and Chord of curvature. Partial differentiation. Euler's theorem for homogeneous functions. Chain rule of partial differentiation. Total differentiation, Differentiation of implicit functions.

Unit 3: Envelopes and evolutes, Maxima and Minima of functions of two variables. Lagrange's method of undetermined multipliers. Asymptotes. Multiple points. Curve tracing of standard curves (Cartesian and Polar curves).

Unit 4: Beta and Gamma functions, Reduction formulae (simple standard formulae), Double integrals in Cartesian and Polar Coordinates, Change of order of integration. Triple integrals. Dirichlet's integral.

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

Reference Books :

1. M. J. Strauss, G. L. Bradley and K. J. Smith, Calculus (3rd Edition), Dorling Kindersley (India) Pvt. Ltd. (Pearson Education), Delhi, 2007.
2. H. Anton, I. Bivens and S. Davis, Calculus (7th Edition), John Wiley and sons (Asia), Pt Ltd., Singapore, 2002.
3. G.B. Thomas, R. L. Finney, M. D. Weir, Calculus and Analytic Geometry, Pearson Education Ltd, 2003.

Paper-III: Analytic Geometry and Optimization Theory

Teaching: 3 Hours per Week

Max. Marks: 40 (Science)

Duration of Examination: 3 Hours

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.

Unit 5: The linear programming problem. Basic solution. Some basic properties and theorems on convex sets.. Fundamental theorem of L.P.P. Theory of simplex method only Duality. Fundamental theorem of duality, properties and elementary theorems on duality only.

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Reference Books :

1. Hamdy A. Taha, Operations Research, An Introduction (9th edition), Prentice-Hall, 2010.
2. G. Hadley, Linear Programming, Narosa Publishing House, New Delhi, 2002.
3. R.J.T. Bell, Elementary Treatise on Co-ordinate geometry of three dimensions, Macmillan India Ltd., 1994.

Practical

Teaching: 2 hours per week per batch not more than 20 students

Examination:

Duration: 2 Hours

Scheme	Science	Arts
Max.Marks	30	40
Min.Pass Marks	11	15

Distribution of Marks:

Two Practicals one from each group

10 Marks each	=	20 Marks (13 Marks each)	26
Practical Record	=	05 Marks	07
Viva-voce	=	05 Marks	07
Total Marks	=	30 Marks	40

The paper will contain TWO practicals. The candidates are required to attempt both practicals.


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

Group B : List of problems (with free and open source software tool Scilab)

- (i) Plotting the graphs of the following functions : ax , $\sqrt{ax+b}$, $|ax+b|$, $c \pm |ax+b|$, x^{+n} , $x^{1/n}$ ($n \in \mathbb{Z}$), e^{ax+b} , $\log(ax+b)$, $\sin(ax+b)$, $\cos(ax+b)$, $|\sin(ax+b)|$, $|\cos(ax+b)|$. Observe and discuss the effects of change in the real constant a , b and c on the graphs.
- (ii) Graphs of hyperbolic functions and inverse trigonometric functions.
- (iii) Plotting and analyzing the graphs of polynomials and their derivatives.
- (iv) Complex numbers: Operations like addition, subtraction, multiplication, division, Modulus and inbuilt functions conj, imag, imult, isreal, real.
- (v) Matrix operations: Addition, Multiplication, Inverse, Transpose, Determinant, Rank and inbuilt functions eye, ones, zeros. Solving the system of linear equations.
- (vi) Solution of linear programming problems by using inbuilt functions of Scilab.

Note:

1. For Group A : Problems will be solved by using Scientific Calculators (non-Programmable)
2. Each Candidate (Regular/non-Collegiate) has to prepare his/her practical record.
3. Each Candidate has to pass in Practical and Theory examination separately.


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18. ECONOMICS**B.A. Part-I Examination-2020**

Scheme:	Min. Pass Marks	Max. Marks
Arts	72	200
Science	54	150
Paper- I 3 hours duration Micro Economic Theory		Arts 100 Science 75
Paper-II 3 hours duration Indian Economy		Arts 100 Science 75

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. Parts 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 Parts 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.

PAPER 1- MICRO ECONOMIC THEORY**Section – A**

Nature and scope of Economics, Methodology: Micro and Macro Economics, Static and Dynamic analysis, Positive and Normative Economics.

Theory of Consumer Behavior: Utility Analysis, Indifference Curve Analysis: Consumer's Equilibrium, Price, Substitution and Income Effects, Normal, Inferior and Giffen Goods. Law of Demand and the Demand Curve. Elasticity of Demand: Price, Income and Cross Elasticity, Arc and Point Elasticity, Relationship between Elasticity, AR, MR and TR. Factors affecting Price Elasticity of Demand. Substitute and Complementary Goods, Consumer's Surplus.

Section- B

Production Function: Law of Variable Proportions, Three Stages of Production Function, Law of Returns to Scale. Iso-quant and Iso -Cost, Optimum Factor Combination. Theory of Cost: Short-run and Long- Run Cost Curves. Market Structures: Determination of Price and Output in the Short and Long Run under Perfect Competition, Monopoly, Discriminating Monopoly, Monopolistic Competition, Excess Capacity.

Section – C

Theory of Distribution, Marginal Productivity Theory, Factor Pricing Under Perfect and Imperfect Competition in Labor Market, Ricardian Theory of Rent, Modern Theory of Rent and Quasi-rent. Theory of Interest: Classical and Liquidity Preference, Theory of Profit, Risk and Uncertainty.

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Books Recommended:

1. Lipsey and Crystal : Economics 13ed, Oxford University Press.
2. Karl E. Case, Ray C. Fair and Sharon Oster, Principles of Economics 9th Edition, Pearson Education Inc.
3. Hal R. Varian : Intermediate Microeconomics WW Norton and Co. Fifth Edition.
4. D. Salvatore: Micro Economics, Harper Collins, 1991.
5. H.L. Ahuja: Advanced Economic Theory, S. Chand and Company, New Delhi. (English & Hindi).
6. लक्ष्मीनारायण नाथूरामकाव्यष्टि अर्थशास्त्र, रमेशबुकडिपो, जयपुर।

Reference Books :

1. R.H. Leftwisch : Price System and Resource Allocation, Holt, Reinhart and Winston; 3rd Edition.
2. Samuelson and Nordhaus: Economics, McGraw Hill/Irwin; Latest Edition.
3. J.P. Gould and C.E Ferguson: Micro Economic Theory revised By , J.P Gould and E.P. Lazer, All India Traveller Book Seller, Delhi.

Paper – II Indian Economy

Section-A

Basic Features and Present Position of Indian Economy, Natural Resources, Population: Demographic Features and Major trends, Concept of Population Dividend, Population Policy, Human Resource Development. National Income in india: trends and composition. Agriculture: Role and Importance of Agriculture in the Indian Economy, Land Reforms, Growth of Modern Inputs : Irrigation, HYV, Fertilizers. Institutional Credit, Microfinance, Marketing of Agricultural Goods Support Price, Concept of Crop Insurance, Food Security.

Section- B

Industry: Role. Strategy and Challenges, Growth of MSMEs, Public and Private Sector Industries. Industrial Finance, Industrial Policy of 1991, New Policy Initiatives for Industrial Development. New Economic Policy and Disinvestment, Foreign direct investment, Services Sector in India: IT, Education and Health. Foreign Trade: Size, Composition and Direction; Recent trends, Foreign Trade Policy.

Section-C

Planning in India: Objectives and Achievements, 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 Recommended :

1. Rudra Datt and K.P.MSundaram: Indian Economy (Hindi & English), S. Chand, New Delhi.
2. S.K. Mishra and V.K. Pure: Indian Economy, Himalaya Publishing House, New Delhi.
3. A.N. Agarwal: Indian Economy, Vikas Publishing Co., New Delhi.
4. Laxminarayan Nathuramka: Bhartiya Arthvyavastha, Ramesh Book Depot, Jaipur.
5. Uma Kapila, Indian Economy since Independence, Academic Foundations.
6. Government of Indian; Economic Survey (Hindi & English.)

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19. Geography

BA/BSc Pt. I

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Scheme of Examination

Faculty	Min Pass Marks	Max Marks
Arts/Social Science	72	200
Science	54	150
Paper I	Physical Geography	Arts 75 Science 50
Paper II	Geography of Rajasthan	Arts 75 Science 50
Practical	18	Arts 50 Science 50

Notes

1. Students are permitted to use the stencils, simple calculator and log tables wherever needed in both theory and practical examinations. 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.
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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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: epirogenic and orogenic; mountain building theories: Kober, Jeffreys, Joly, Joly and Holmes and plate tectonics; denudation, cycle of erosion: views of W.M. Davis and W. Peck, 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 Thornthwaite, general climatic classification.

Section C

Surface configuration of oceans bottom: Pacific, Atlantic and Indian oceans, oceanic 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:

- जोहान, वी.एस. व गोसाव. ए. 2005, भौतिक भूगोल (जीवनमण्डल सहित)। रस्तोगी पब्लिकेशन्स केरल।
वाल, पी. 2012, भौतिक भूगोल। राजेश पब्लिकेशन्स, नई दिल्ली।
गिरण, अलका 2012 - भौतिक भूगोल। रस्तोगी पब्लिकेशन, केरल।
Lusain, M. 2001, Fundamentals of Physical Geography, Rawat Publication, Jaipur
Kess, D. 2012: Physical Geography : A Landscape Appreciation, PHI Learning Private Limited, New Delhi, McKnight's Tenth Edition.
Kullar, D.R. 2012: Physical Geography, Kalyani Publishers, New Delhi
ड. सविन्द. 2005 : भू-आकृति विज्ञान। तारा पब्लिकेशन वाराणसी।
ड. सविन्द. 2011 भौतिक भूगोल का स्वरूप। प्रथम पुस्तक भवन, इलाहाबाद।
एच.एन. वर्मा एम.एल. एण्ड मिश्रा, अरुण 2008 भौतिक भूगोल। पर्यावरण प्रकाशन जयपुर।
Arma, R.C. and Varal M. 1999 Oceanography, for Geographers. Chaitanya Publishing use, Allahabad

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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 production; 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, Aravali 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, scheduled castes and schedule tribes; population problems, study of bhil, meena and garasia. Settlement pattern: types of settlements, building materials and house types in Rajasthan with examples, factors affecting settlement.

Recommended Readings:

Sharma, L.R. 1995-97: Geography of Rajasthan. Kuldeep Publications, Jaipur

Mehta, R.K 1992: Geography of Indira Gandhi Canal. Rajasthan Hindi Granth Academy, Jaipur.

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

Sharma, V.C. 1967: Geography of Rajasthan. National book trust of India, New Delhi.

शुभाश्रिता, एल.एन. 2012.13: राजस्थान की अर्थव्यवस्था। कॉलेज बुक हाउस, जयपुर।

ईयाल, लोह 2012: राजस्थान का भूगोल। कॉलेज बुक हाउस, जयपुर।

Sharma, R.L. 1971 (ed.): India A Regional Geography NCSI, Varanasi

Sharma, R.L. 1992: Flood Prone Areas of India. Aviskar Publishers Jaipur

Sharma, R.L. and N.L. Sharma. 2011. Geography of Rajasthan. Panchajanya Publishers Jaipur.

शुभाश्रिता, एल.एन. 2012: राजस्थान की भूगोल। कॉलेज बुक हाउस, जयपुर।

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Practicals

Scheme of Examination

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

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:

1. न. पी.आर. 2008: प्रयोगात्मक भूगोल। चतुर्वारा प्रकाशन, गोरखपुर।
 2. Singh, I.R. 2006: Practical Geography. Prayag Pustak Publisher, Allahabad U.P.
 3. Rankhouse, F. J. and Wilkinson, F.J. 1985 Maps and Diagrams. Methuen, London.
 4. Singh, R.L. and Singh Rana P.B. 1991 Elements of Practical Geography. Kalyani Publishers, New Delhi.
 5. Sarkar, A. K. 1997: Practical Geography: A Systematic Approach. Orient Longman, Kolkata.
 6. ए. जी. राणा: प्रयोगात्मक भूगोल की दृष्टिकोण से तैयारी। उत्तर प्रदेश विश्वविद्यालय, मेरठ।

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20 STATISTICS

Scheme:	Duration	Max Marks		Min. Pass Marks	
		Sc.	Arts	Sc.	Arts
Paper- I	3 hrs.	50	65	18	24
Paper-II	3 hrs.	50	65	18	24
Practical	3 hrs.	50	70	18	24
	Total	150	200	54	72

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 I. Important concepts of Probability: Random experiment: Trial. Events and their types. Definitions of probability. Sample point and sample space. Axiomatic Approach of Probability and its properties. Addition and Multiplication theorems of probability. Conditional Probability. Bayes Theorem and its Applications (Simple Problems Only). 18 hours

Unit II. Random Variable: Definition with illustrations, Types of Random Variables. Probability Mass Function, Probability Density Function. Distribution Function and its properties. Joint Probability Distribution, Marginal and Conditional Probability Distributions and density functions (Continuous and Discrete Cases). Chebychev's Inequality and its applications. 18 hours

Unit III. Mathematical Expectation: Expectation of a random Variable and its simple properties. Addition and Multiplication Theorems of Expectation. Conditional Expectation. Definition of Variance and Covariance and properties. Raw and Central Moments. Moment Generating Function and their properties. 18 hours

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Syllabus B.A. Part-I

Unit IV. Univariate Discrete Distributions and their properties: Bernoulli Distribution, Binomial Distribution, Poisson Distribution, Geometric Distribution. Idea of Hyper-geometric and Negative Binomial Distribution. 18 hours

Unit V. Univariate Continuous Distributions and their properties : Rectangular Distribution, Normal Distribution, Idea of Exponential Distribution, Cauchy Distribution, Gamma Distribution, Beta Distribution. 18 hours

References

1. Bhatt, B. R. Srivenkatramana, T and Rao Madhava K. S. (1997): Statistics: A, Beginner's Text, Vol. II, New Age International (P) Ltd., New Delhi.
2. Goon A.N., Gupta M. K., Das Gupta B. (1991): Fundamentals of Statistics, Vol, II, World Press, Calcutta.
3. Kapoor V.K. & Gupta S.C. : Fundamentals of Mathematical Statistics, Sultan Chand and Sons, New Delhi.
4. Mood A.M., Graybill F. A. and Bose, D. C. (1974) ; Introduction to the Theory of Statistics, McGraw Hill.

Additional References

1. Hoel P.G. (1971) : Introduction to Mathematical Statistics, Asia Publishing House.
2. David, S (1996) : Elementary Probability, Oxford Press.
3. Cooke, Cramer and Clarke: Basic Statistical Computing, Chapman and Hall.
4. Meyer P.L. (1970) : Introductory Probability and Statistical Applications. Addison Wesley.

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.

18 hours

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).

18 hours

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.

18 hours

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.

18 hours

Unit V finite Differences: Operators E , Δ , ∇ , their relationship and properties, factorial notation. Difference table fundamental theorem of finite differences. Estimation of one and to missing terms. Meaning of interpolation and extrapolation. Newton's forward and backward formulae for equal intervals, Lagrange's Formula and numerical problems.

18 hours

References

1. Bhatt B. R. Srivenkatramanna T and Rao Madhava K.S. (1997): Statistics: A Beginner's Text, Vol. I, New Age International (P) Ltd., New Delhi.
2. Croxton F.E., Cowden D. J. and Kulin S (1973): Applied General Statistics, Prentice Hall of India, New Delhi.
3. Goon A. M., Gupta M. K., Das Gupta B. (1991): Fundamentals of Statistics, Vol. I, World Press, Calcutta.

Additional References

1. Anderson T.W. and Sclove S.L. (1978): An Introduction to the Statistical Analysis of Data.
2. Cooke, Cramer and Clarke : Basic Statistical Computing. Chapman and Hall.

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Syllabus B.A. Part-I

3. Mood A.M. Graybill F.A. and Bose D.C. (1974) Introduction to the theory of statistics, Mc Graw Hill New York.
4. Spiegel, M. R. (1967) : Theory & Problems of Statistics, Schaum's Publishing Series.

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.
3. Computation for Marginal and Conditional Distributions.
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.
9. Computation of Spearman's rank correlation.
10. Construction of Difference table.
11. Interpolation Problems based on Newton and Lagrange's Formulae.

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21 - APPLIED STATISTICS

Schemes	No. of hrs. per week	Max Marks		Min. Pass Marks	
		Sc.	Arts	Sc.	Arts
Paper- I	3 hrs.	50	65	-	24
Paper-II	3 hrs.	50	65	-	24
Paper-III (Practical)	4 hrs.	50	70	18	24
Total	10 hrs.	150	200	54	72

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 I: Functional relationship between two variables, Polyno-

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mials, exponential, logarithmic & Binomial functions and their expansions. Infinitesimal quantity. Idea of permutation and combination. Notion of limit, Rules for finding limits. Continuity, Differential Coefficient and its physical interpretation as a rate measure. Standard results for differential coefficients of x^n , e^x , $\log x$ etc. (without proof). Rules for differentiation of sum, difference, product and quotient and function of a function (without proof). 18 hours

Unit II. Maxima and Minima. Integral Calculus: Definition and meaning of integration. General laws of integration, Integration of a continuous function. Definite integration. 18 hours

Unit III. Important Concepts of Probability: Random Experiment, Trial, Events and their types. Classical and Statistical definitions of Probability. Sample point and sample space. Axiomatic Approach to Probability and its properties. Addition and Multiplication theorems of probability. Conditional Probability. Baye's Theorem and its Applications (Simple Problems only). Chebychev's Inequality and its applications. 18 hours

Unit IV. Random Variable: Probability Mass Function, Probability Density Function. Distribution Function, Joint Probability Distribution, Marginal and Conditional Probability distribution (Continuous and Discrete case). 18 hours

Unit V. Mathematical Expectation: Expectation of a random Variable and its properties. Addition and Multiplication Theorems of Expectation. Conditional Expectation. Definition of Variance and Covariance, Moments, Skewness and Kurtosis. Moment Generating Functions and their simple properties. Definitions of Binomial Distribution, Poisson Distribution, Normal Distribution, Gamma Distribution, Beta Distributions their mean, Variance & mgf. 18 hours

References:

1. Bhatt B.R., Srivenkatramanna T. And Rao Madhava K.S. (1997): Statistics-A Beginner's Text. Vol-II, New Age International (P) Ltd.
2. Goon A.M., Gupta M.K., Das Gupta B. (1991): Fundamentals of Statistics, Vol-II, World Press, Kolkata
3. Kapoor V.K. & Gupta S.C. : Fundamentals of Mathematical Statistics. Sultan Chand and Sons, New Delhi.

Syllabus B.A. Part-I

- 4. Mood A.M. Graybill F.A. Bose D.C. (1974): Introduction to the theory of statistics, McGraw Hill

Additional References:

- 1. Hoel P.G. (1971): An Introduction to Mathematical Statistics. Asia Publishing House.
- 2. David S. (1996): Elementary Probability., Oxford Press.
- 3. Cooke, Cramer and Clarke: Basic Statistical Computing; Chapman and Hall.
- 4. Meyer P.L. (1970): Introductory Probability and Statistical Applications. Addison Wesley.

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.
- 3. Computation for Marginal and Conditional Distributions.
- 4. Presentation of data through Frequency Table, diagrams and Graphs.
- 5. Calculation of Measures of Central tendency, Dispersion, 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.
- 9. Computation of Spearman's rank correlation.
- 10. Construction of Difference table.
- 11. Interpolation Problems based on Newton and Lagrange's Formulae.

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. 22. PSYCHOLOGY**B.A. Part-I Examination-2020****SCHEME OF EXAMINATION:**

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

Paper	Nomenclature	Duration	Max. Marks	
			Arts	Science
I	Basic Psychological Processes	3 Hrs.	75	50
II	Social Psychology	3 Hrs.	75	50
III	Practical	3 Hrs.	50	50

NOTE:-

1. There will be three papers in Psychology. Each paper will be of 3 hours. There will be a common paper for Arts and Science. In I and II Papers there will be 3 Sections A, B and C and will cover the entire course content of the paper.

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

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

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

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

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

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SCIENCE			
Section	No. of Questions	Marks	Total
A	10	01	10
B	5 (Out of 7)	02	1
C	3 (With internal choice)	10	45
Total Marks			75

Paper I - Basic Psychological Processes

Section-A

1. Introduction: Definition and Goals of Psychology; History- Structuralism, Functionalism, Behaviorism, Gestalt and Psychoanalysis; Modern Perspectives- Biological, Psychodynamic, Behavioral, Cognitive, Humanistic, Evolutionary and Socio-cultural; Methods- Observation, Case Study, Surveys and Experimental.
2. Biological Basis of Behavior: The Nervous System-Structure and Functions of Neuron. Structure and Functions of Central Nervous System and Peripheral Nervous System
3. Sensation and Perception: Sensation- Meaning, Sensory Receptors, Sensory Thresholds, Habituation and Sensory Adaptation. Perception- Meaning, Constancies- Size, Shape and Brightness, Gestalt Principles, Factors Influencing Perception.

Section-B

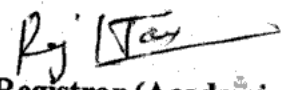
4. Learning: Definition and Theories- Classical Conditioning, Operant Conditioning, Cognitive Learning, Observational Learning.
5. Memory: Definition; Encoding, Storage and Retrieval Processes; Models- Level of Processing, Parallel Distributed Processing and Information Processing- Sensory, Short Term and Long Term Memory; Forgetting- Nature and Causes.
6. Motivation and Emotion: Motivation - Meaning and Approaches- Instinct, Drive-reduction, Arousal, Incentive and Humanistic. Emotion- Elements: Physiology, Expression and Subjective Experience; Theories- Cannon-Bard, James-Lange, Schachter-Singer, Opponent-Process.

Section-C

7. Cognition: Thinking- Mental Imagery and Concepts, Problem Solving- Trial and Error, Algorithms, Heuristics, Insight; Barriers to Problem Solving.
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:

- Baron, R.A. & Misra, G. (2015). *Psychology*. New Delhi: Pearson Education India.


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- Gerrig, R.J., Zimbardo, P.G., Svartol, F., Brennen, T., Donaldson, R. & Archer, T. (2013). *Psychology and Life*. New Delhi: Pearson Education India.
- Ciccarelli, S.K., White, J. N. & Misra, G. (2017). *Psychology*. New Delhi: Pearson Education India.
- सिंह. अरुणकुमार (2017), आधुनिकसामान्यमनोविज्ञान, नई दिल्ली : मोतीलालबनारसीदास।

Paper II - Social Psychology

Section-A

1. Introduction: Meaning, Nature, Scope and Goals of Social Psychology. Methods of Social Psychology: Experimental and Non-Experimental Methods.
2. Social Perception and Person Perception: Social Perception- Meaning and Nature; Perceptual Defense, Perceptual Accentuation and Subliminal Perception. Person Perception: Meaning and Nature, Role of Non-verbal Cues; Perceivers' Characteristics and Role of Ongoing Interaction.
3. Attitudes: Nature, Functions, Formation, Change and Measurement.

Section-B

4. Prejudice and Discrimination: Nature and Origin; Reduction of Prejudice and Discrimination.
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

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

Books Recommended :

- Baron, R.A., Branscombe, N.R., Byrne, D. & Bhardwaj, G. (2012). *Fundamentals of Social Psychology*. Noida: Dorling Kindersley South Asia.
- Branscombe, N.R. & Baron, R.A. (2018). *Social Psychology*. Noida :Pearson India Education.
- Myers, D.G. (1994). *Exploring Social Psychology*. New York: McGraw Hill
- अरुणकुमारसिंह, (2002), समाजमनोविज्ञानकीरूपरेखा, मोतीलालबनारसीदास, दिल्ली

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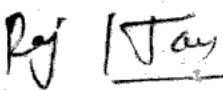
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Syllabus : B.A. Part-I

Practical

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


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23 राजस्थानी

समय

पूर्णांक

परीक्षा-प्रश्न-पत्र

न्यूनतम अंकीकरण : 72

200

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। (3×12=36)
3. दोनों पुस्तकों में प्रत्येक से एक-एक आलोचनात्मक प्रश्न होगा। कुल तीन प्रश्न।
(3×15=45)

4. अंतिम प्रश्न निम्नलिखित तीन भागों में विभक्त होगा—

(क) राजस्थानी भाषा में अनुवाद—7 अंक

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Syllabus B.A. Part-I

(ख) हिंदी से राजस्थानी भाषा में अनुवाद—7 अंक

(ग) राजस्थानी कहावतों अर्थ एवं प्रयोग—5 अंक

पाठ्य पुस्तकें :

1. राजस्थानी कहानियाँ—सम्पा. रावत सारस्वत, प्रेम जी प्रेम : प्रकाशक साहित्य अकादमी, लीन्द्र भवन, नई दिल्ली। इस पुस्तक में से निम्नलिखित क्रम संख्या वाली 14 कहानियाँ 1, 9, 10, 12, 13, 14, 15, 16, 18, 20, 22, 23 तथा 28।

2. जयपुर की ज्योगार, ले. मदनमोहन सिद्ध (खण्ड एक से तीन) : प्रकाशक श्री सिद्ध हिन्दी प्रचारक कार्यालय जयपुर।

संदर्भ ग्रंथ

1. आधुनिक राजस्थानी साहित्य : प्रेरणा स्रोत और प्रवृत्तियाँ; लेखक डॉ. किरण नाहटा प्रकाशक चिन्मय प्रकाशन, चौड़ा रास्ता, जयपुर।
2. राजस्थानी गद्य साहित्य : उद्भव और विकास : लेखक डॉ. शिवस्वरूप अंचल, प्रकाशक : शार्दूल राजस्थानी रिसर्च इंस्टीट्यूट, बीकानेर।
3. राजस्थानी गद्य शैली का विकास : डॉ. रामकुमार गर्वा, प्रकाशक देवनाम प्रकाशन, जयपुर।

राजस्थानी द्वितीय प्रश्न-पत्र-राजस्थानी कला

अंक विभाजन—इस प्रश्न-पत्र में पाँच प्रश्न होंगे।

1. प्रत्येक पुस्तक से एक-एक व्याख्या। कुल तीन व्याख्या।

(3×12=36)

2. प्रत्येक पुस्तक से एक-एक आलोचनात्मक प्रश्न।

(कुल तीन प्रश्न)

(18+18+16=52)

3. अलंकार : वैयाकरण सगाई, उपमा, रूपक, उत्प्रेक्षा यमक, श्लेष।

4. छंद : दूहो, सोरठो, छप्पय, वेलियो।

संदर्भ ग्रंथ :

1. प्राचीन काव्यों की रूपक परम्परा-सम्पादक अमर चंद नाहटा, प्रकाशक भारतीय विद्या मंदिर शोध प्रतिष्ठान, बीकानेर।
2. अलंकार पारिजात—नरोत्तमदास स्वामी।
3. रघुनाथ रूपक गीता रो—महताबचन्द खारेड, प्रकाश नागरी प्रचारिणी सभा वाराणसी।
4. राजस्थानी साहित्य—एक परिचय प्रकाशक नवयुग ग्रंथ कुटीर, बीकानेर।

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24 SHEEP AND WOOL

(To be offered by the collegiate students of Shri B.D. Todar College, Lakshmanagarh, Sikar only)

Scheme :

Min. Pass Marks 48

Max. Marks 132

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Syllabus B.A. Part-I

Paper-I	3 hrs. duration	Max. Marks 66
Paper-II	3 hrs. duration	Max. Marks 66
Min. Pass Marks 24	4 hrs. duration	Max. Marks 68
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, weaning, aging, classifying, cutting.

Breeding Management : Care 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, care 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 : M.in Pass Marks-24 Max pass M. 68
1. Recognition of different breeds of sheep, local and state of Rajasthan, with reference to salient features of difference and utility of their products

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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-pareara, castrating equipment drenching and dosing equipments, branding and tagging equipments etc.
6. General sheep management practices : Identification of animals, ear-tagging etc. Handling and securing of sheep, again by dentition, tagging hoof paring crutching and castration of sheep. Drenching, dosing and dipping of sheep, washing and shearing (hand shearing). Preparation of sheep (both male and female) for breeding purposes. Natural and artificial breeding of sheep viz. use of breeding harness. Collection and insemination seman.
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.

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25. LIVESTOCK AND DAIRYING

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

Scheme :

Min. Pass Marks 48

Paper-I Duration

3 hrs. duration

Max. Marks 132

Paper-II Duration

3 hrs. duration

Marks 66

Practical

Marks 66

Min. Pass. Marks 24

4 hrs. duration

Marks 68

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

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Syllabus B.A. Part I

the agroclimatic conditions of the state.

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

3. Characteristics of the following breeds of Livestock. Cattle Tharparker, Hariana, Gir, Nagauri, Rathi, Mewati, Shahiwal, Melvi, Jirsey, Hostein, Freisian, Red dane.

Buffallows—Murrah, Surti, Mehsana.

Goats—Sirohi, Alwar, Barbari, Jamunapuri, Beotal, Marwari.

Sheep—Sonodi, Chokia, Bikaneri, Marino, Rambouillet Camel-Rid Dmcru.

Popultry—Phode Island Red, White, Leg Horn, wyite Roe.

4. Outline of anatomy of cattle and buffallows. Body Temperature, respiration and pulse rate.

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 pouilly.

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

10. Familiarity with common ailments and diseases of farm animals wounds. Navel ill, prolaose of natural and vagina; bloat, impaction, scour phenomena, mastitis, milk fever. Anthrax, FMD, HS, RP, Black quarter, Enterotoximea, piarrhoea. Common external and internal parasites.

11. Maintenance of farm records.

12. Government Assistance and facilities available for Livestock.

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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4. Common feeds and fodder and their nutritive value, Characteristics of ideal ration.
5. Feeding pregnant, lacting animals, breeding bulls and bullocks.
6. Production of different types of grasses and forage, making of hay and silage.
7. Preparation 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.
13. Diagnosis of Pregnancy.
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 routes.
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 insemination.
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.

.26. ANTHROPOLOGY**B.A. Part-I Examination-2020**

Paper-I

Max Marks-100

Min Marks-36

Paper-II

Max Marks-100

Min Marks-36

Note- Each Paper will contain nine questions having three questions from each Unit. Candidates are required to attempt five questions in all selecting atleast one question from each Unit.

Paper I- Introduction to Anthropology**Unit-I**

Meaning and subject matter of Anthropology. History of Anthropology.

Branches of Anthropology:- (a) Social-Cultural Anthropology (b) Physical Anthropology (c) Archaeological Anthropology, (d) Linguistic Anthropology Relationship of Anthropology with Social Sciences, Natural Sciences and Medical Sciences.

Unit-II

Basic Concepts : Culture, Society, Community, Group, Institution.

Human Institutions:

Family: Definition and functions. Family as the corner stone of human society. Form and Types of family. Joint family system in India. Changes in the institution of family.

Marriage: Definition and function in society. Forms and types of marriage. Bridewealth and Dowry. Marriage regulation in India.

Unit - III

Kinship: Meaning of kinship and its role in society. Types of kins. Kin groups unilineal: lineage, clan, phratry, moiety. Kinship behaviour: Avoidance and Joking relationship.

Religion: Meaning and role of religion. Theories of origin of religion: Animism and Animatism. Relation of religion to other social institutions. Magic: Definition and types.

Readings Books :-

Beattie John, 1964, Other Cultures: Aims, Methods and Achievements in Social Anthropology, London, Routledge and Kegan Paul Ltd.

Fox Robin, (1983), Kinship and Marriage, Cambridge, Cambridge University Press.

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

Herskovits Melville Jean, 1948, Man and His works: The Science of Cultural Anthropology, New York, A.A. Knof.

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.

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Paul Bohannan, 1963, Social Anthropology, New York, Mac Millan.

Srivastava ARN, 1992, What is Anthropology, Calcutta, K.K. Publication.

जैन शोभिता, 1965, भारत में परिवार, विवाह और नातेदारी, जयपुर रावत पब्लिकेशनस.

दुबे श्यामाचरण, 1993, मानव और संस्कृति, नई दिल्ली, राजकमल प्रकाशन प्रा. लि., ।

Paper- II Anthropology of Cultural Regions in Rajasthan

UNIT-I

Physiography of Rajasthan, Integration of Rajasthan. Cultural Regions: Marwar, Mewar, Dhoondhar, Vagad, Mewat, Haroti, Brij. Characteristics of the culture of Rajasthan.

UNIT-II

Concept of Tribe. Tribal scenario in Rajasthan. Ethnography of the following tribes of Rajasthan : Mina, Bhil, Garasia, Saharia, (Origin, Social ,Cultural, Economic, Political and Religious life)

UNIT-III

Places of religious importance: Pushkar, Ajmer, Nathdwara, Beneshwar.

Folk deities: Ramdevji, Tejaji, Kailadevi, Gogaji, Jambhoji.

Folk fairs and festivals: Teej, Gangaur.

List of Books

Doshi S.L. and N.N. Vyas, 1992, The Sahariya in Tribal Rajasthan:, Udaipur Sunshine on the Aravalli, Udaipur, Himanshu Publications.

Kapil F.K., 1999, Rajputana States (1817-1950), Jodhpur, Book Treasure.

Sharma S.K. and Sharma Usha, (eds.), 2000, History and Geography of Rajasthan, New-Delhi, Elegant Printers.

Singh K.S., 1998, People of India: Rajasthan, Mumbai, Popular Prakashan Pvt. Ltd., , Vol. XXXVIII (part one and Two)

Tod James, 1987,(Repr.) Annals and Antiquities of Rajasthan, Delhi ,Motilal Banarasi Dass, 3 Vol.

चंद्रमेहता प्रकाश, 1993, भारत के आदिवासी, उदयपुर, शिवा पब्लिशर्स डिस्ट्रीब्यूटर्स।

कल्ला डॉ. नन्दलाल, 2000, राजस्थानी लोक साहित्य एवं संस्कृति, जोधपुर, राजस्थानी ग्रन्थगार,

आहूजा डी.आर., 2002, राजस्थान: लोक संस्कृति और साहित्य, नई दिल्ली, नेशनल बुक ट्रस्ट, (अनुवादक: वागीश कुकार झा एवं राजेश कुमार झा)

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27. DRAMATICS

B.A. Part-I Examination-2020

(Drama)

Paper-I Basics of Theatre (Theory)

Duration – 3 Hours

Max. Marks – 50

Min. Pass Marks - 18

1. Basic introduction to theatre arts
 - a. Evolution of theatre as an art form
 - b. Development of dramatic art through ages
2. Influences and Relationship with Other Art Forms
 - a. Introduction to different aspects of theatre
 - b. Definition of theatre and drama
 - c. Elements of theatre
 - d. Difference between theatre and drama
3. Origin and evolution of Indian Theatre with reference to:
 - a. Pre-Vedic Period
 - b. Post-Vedic Period (up to Natyashastra)

Books Recommended :

- 1-The Indian theatre- Hemendra nath das gupta,gyan publishing house ,New delhi
- 2-Drishya vinyas –Dr Ravi chaturvedi, publication scheme, Jaipur

Paper – II Modern Indian Theatre (Theory)

Duration – 3 Hours

Max. Marks – 50

Min. Pass Marks - 18

- I. Emergence of Modern Indian Drama
- II. Different phases of modern indian theatre
 - a. Pre independence theatre
 - b. Indian Freedom Struggle and its impact on theatre
- III. Post-independence theatre
 - A-Growth of Commercial Theatre in India with reference to Parsi Theatre
 - B-study of important parsi theatre groups and companies
 - C- Development and fall of Parsi theatre
- IV. People's Theatre Movement
- V. Basic aspects of play analysis

Books Recommended:

- I. Bhartiya Rangmanch Ka Udbhav Evam Vikas – Dashrath Ojha
- II. Bhartiya Rangmanch Ka Itihas – Dr. Agyat
- III. Bhartiya Lok Natya Parampara – Dr. Kapila Vatsyayan
- IV. Rand Darshan – Nemi Chand Jain

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(Drama) Practical

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Applied Theatre Practice

PRACTICAL PAPER -I

Duration – 3 Hours

Max. Marks – 50

Min. Pass Marks - 18

- I. Practice of 15 Yogic Asanas
- II. Practice of Mime and Movement Exercises
- III. Practice of Acting Improvisations

PRACTICAL PAPER -II

Duration – 3 Hours

Max. Marks – 50

Min. Pass Marks - 18

- IV. Production of short plays
- V. Acting assignments
- VI. Submission of workbook

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28 : PHYSICAL EDUCATION

Part Ist 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.
3. Rajasthan State Sports Council, Function, Aims & objective.
4. Arjuna Awards, Dronacharya Awards, Maulana Abdul Kalam Azad trophy, National Sports Scholarship, Dhyani Chand and Guru Vashist, Rajiv Gandhi Khel Ratan.

Unit- IV

1. Modern Olympic Games: Start of Olympics,
2. Objectives of Olympic, olympic mascot.
3. Olympic Motto and flag.
4. Olympic Charter opening and Closing.
5. Indian Olympic Association, International Olympic Committee.
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.
4. Turnverein Movement, Y.M.C.A. and Its contribution Physical Education in U.S.S.R. the spartakiad.
5. Contribution in India; G.D. Sondhi; Rajkumari Amrit Kaur; B.P.De Coubertin, 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:-

1. Ajmer Singh etc. Basis of Physical education, Health & Sports B.A.Pt. I, Kalyani Publication Ludhiana
2. Ajmer Singh etc. Basis of Physical education, Health & Sports (B.A.Pt. II), Kalyani Publication Ludhiana
3. Ajmer Singh etc. Basis of Physical education, Health & Sports (B.A.Pt. III), Kalyani Publication Ludhiana
4. Ajmer Singh Aur Anya. Saririk Shiksha Swasthya evam Khelo ki Adhunik Pathyapustak B.A. Part I : Kalyani Publications Ludhiana
5. Ajmer Singh etc. Saririk Shiksha Swasthya evam Khelo ki Adhunik Pathyapustak B.A. Part II va III : Kalyani Publications Ludhiana
6. Sidhana Ashok Kumar. Saririk Siksha Sidhant, Manovigyan evam Itihas. Sriyansh Publications Jaipur
7. Kamlesh & Sanghal. Saririk Siksha ke Sidhant va Itihas: Prakash Brothers Ludhiana
8. Vashist, B. Gendia Prasad. Saririk Siksha ka Sangathan va Vidhyay. Sriyansh Publications Jaipur.

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FOUNDATIONS OF PHYSICAL EDUCATION

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

Maximum Marks : 60
Minimum Pass Marks : 22

Time 3 hours

Unit-I**Biological Foundation**

1. Heredity & Environment & its effect
2. Stages of growth & Development.
3. Principles of growth and development, factor effecting 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
4. Learning, Learning theories, Law of learning, transfer of learning.
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 :

1. Bucher, Charles A. Foundations of Physical Education St. Louis : The C.V. Mosby company, 1986 Dollar 9.50
2. Williams Jesus Fering : The Principle of Physical Education. Philadelphia : W.B. Saunders Company 1964
3. Kamlesh M.L. Physical Edu. Facts & Foundations, P.D.Pub. Faridabad.
4. Ajmer Singh etc. Basis of Physical Education, Health and Sports (B.A. Pt. I,II,III): Kalyani Publications Ludhiana
5. Ajmer Singh etc. Saririk siksha swasthya evam khelo ki Adhunik Pathy: pustak B A I Kalyani Publication. Ludhiana
6. Ajmer Singh etc. Saririk siksha swasthya evam khelo ki Adhunik Pathy: pustak B A I, II, III Kalyani Publication Ludhiana
7. Sudhansu K. Saririk Siksha Sulfant. Manovigyan aur Inila. Sriyansh Publications, Jaipur.
8. Kamlesh M.L. Saririk Siksha ke sulfant. A Itihas. Prakashan. Ludhiana
9. Ajmer Singh etc. Saririk Siksha ke sulfant. A Itihas. Prakashan. Ludhiana

THEORETICAL (GAMES AND SPORTS)

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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) Ist Paper (ii) IInd Paper
 2. Four period for practical work
(i) Athletics : two periods (ii) Games : Two periods
- (This shall carry 80 marks)

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INDIAN HERITAGE IN RURAL HANDICRAFTS

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

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 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

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Syllabus B.A. Part-I

- 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.

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VOCATIONAL COURSE**30. 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 and Introduction to IBM PC	Arts/Com. 65 Science 50
Paper-II 3 hours duration	Operating Systems and Business Data Processing	Arts/ Com. 65 Science 50
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- computer capabilities and limitations. Concept of files and directories.

Computer arithmetic and number systems. ASCH & EBCDIC character sets.

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

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 computers available in market. Micro, Mini and Main frames, Supercomputers.

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.

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Introduction to microprocessors and associated computers. Tim-
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.

Disk Operating System - Introduction. Batch files.

Configuration files. COM, EXE, SYS, BIN and TXT files. In-
troduction 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 pack-
ages 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 sys-
tem 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, renam-
ing, 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. Diag-
nostics on IBM PC. Controlling PC hardware using BASIC Pro-
grams.

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