

MAHARSHI DAYANAND SARASWATI UNIVERSITY,
AJMER

पाठ्यक्रम

SYLLABUS

SCHEME OF EXAMINATION AND
COURSES OF STUDY

FACULTY OF ARTS & SOCIAL SCIENCE

B.A. (Hons.) Part-I Examination

बी.ए. (ऑनर्स) पार्ट - I परीक्षा

(10 + 2 + 3 Pattern)



ALKA PUBLICATIONS

Purani Mandi, Ajmer

NOTICE

1. Change in Statutes/Ordinances/Rules/Regulations Syllabus and Books may, from time to time, be made by amendment or remaking, and a candidate shall, except in so far as the University determines otherwise, comply with any change that applies to years he has not completed at the time of change. **The decision taken by the Academic Council shall be final.**

B.A. Honours Part - I Examination**CONTENTS**

Subjects		
Scheme of Examination		4
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Compulsory Subjects		
2. General Hindi OR		6
1. General English		7
Elementary Hindi		8
(in Lieu of Comp. Hindi for non Hindi speaking students) or		
History of Indian Civilization		9
(In Lieu of General Hindi for Foreign Students)		
Subsidiary Subjects		
The scheme of examination, the course of study and text books for the subsidiary subjects of Hons. Part I Examination shall be the same as prescribed for the optional subjects of B.A. Part-I Examination)		
Honours Subjects :		
1. English Literature (Hons.)		15
2. Political Science (Hons.)		19
History (Hons.)		24
Geography (Hons.)		31
5. Economics (Hons.)		40

सूचना

1. समय-समय पर संशोधन या पुनः निर्माण कर परिनिधियों, अध्यादेशों/नियमों / विनियमों / पाठ्यक्रमों व पुस्तकों में परिवर्तन किया जा सकता है, तथा किसी भी परिवर्तन का छात्र को मानना होगा बशर्ते कि विश्वविद्यालय ने अन्यथा प्रकार से उनको छूट न दी हो और छात्र ने उस परिवर्तन के पूर्व वर्ष पाठ्यक्रम को पूरा न किया हो। विद्या परिषद द्वारा लिये गये निर्णय अन्तिम होंगे।

SCHEME OF EXAMINATION

R. 11 (1) : For a pass at each examination, a candidate shall be required to obtain a minimum of 36% marks in each subsidiary subject and 40% in the Honours subjects. Passing separately in the Practicals wherever prescribed, shall be necessary, successful candidate will be classified as under.

First Division 60%- of the aggregate marks prescribed in Honours and
Second Division 50%- Subsidiary subjects of Pt. I, Pt. II and Pt. III
examination taken together.

All the rest will be declared to have passed the examination.

No division shall be awarded at the Honours Pt. I and Pt. II examination.

The number of papers and practicals, Wherever prescribed, the duration of examination, maximum marks and minimum pass marks are shown in the relevant syllabus.

A candidate shall be required to offer one Honours subject and one subsidiary subject out of the following subjects :

A. Subsidiary Subjects :

- | | |
|---------------------------|------------------------|
| 1. Hindi Literature | 2. English Literature |
| 3. Urdu | 4. Sanskrit |
| 5. Persian | 6. Philosophy |
| 7. Indian Music | 8. Sociology |
| 9. Political Science | 10. Drawing & Painting |
| 11. Public Administration | 12. Economics |
| 13. Geography | 14. Psychology |
| 15. History | 16. Home Science |
| 17. Mathematics | 18. Sindhi |

(Contents of Subject shall be same as prescribed for the optional subject of B.A. Part-I Examination)

B. Scheme (Subsidiary Subjects)

(The scheme of examination, the course of study and text books for subsidiary subjects of Honours Pt. I examination shall be the same as prescribed for the Optional subject of the B.A. I Examination.)

C. Honour Subjects :

- English Literature (Hons.)
- Political Science (Hons.)
- Economics (Hons.)
- Geography (Hons.)
- History (Hons.)

N.B. :- Candidates shall be required to offer the Four paper and Practical (wherever prescribed) of the Honours subject offered by him.

DISTRIBUTION OF MARKS

S. No.	Name of Subject Papers	No. of Papers	Duration	Max. Marks	Min. Pass Marks
Compulsory Subject :					
1.	General Hindi <i>English</i>		3 hrs.	100	36
	OR				
1.	General <i>English Hindi</i>		3 hrs.	100	36
	Or (a) Elementary Hindi (In lieu of G Hindi)				
	Or (a) History of Indian Civilization (In lieu of G Hindi)				
	Section B English				
2.	Environmental Studies	Theory	3 hrs.	100	36
Honours Subjects :					
3.	English Literature (Hons.)	Paper-I	3 hrs.	100	
		Paper-II	3 hrs.	100	160
		Paper-III	3 hrs.	100	
		Paper-IV	3 hrs.	100	
4.	Political Science (Hons.)	Paper-I	3 hrs.	100	
		Paper-II	3 hrs.	100	160
		Paper-III	3 hrs.	100	
		Paper-IV	3 hrs.	100	
5.	History (Hons.)	Paper-I	3 hrs.	100	
		Paper-II	3 hrs.	100	160
		Paper-III	3 hrs.	100	
		Paper-IV	3 hrs.	100	
6.	Geography (Hons.)	Paper-I	3 hrs.	80	
		Paper-II	3 hrs.	80	128
		Paper-III	3 hrs.	80	
		Paper-IV	3 hrs.	80	
		Practical	8 hrs.	80	32
7.	Economics (Hons.)	Paper-I	3 hrs.	100	
		Paper-II	3 hrs.	100	160
		Paper-III	3 hrs.	100	
		Paper-IV	3 hrs.	100	

1. सामान्य हिन्दी

समय 3 घंटे

उत्तीर्णांक : 36

पूर्णांक : 100

निर्देश: इस प्रश्न-पत्र के प्राप्तांक श्रेणी निर्धारण में सम्मिलित नहीं किये जायेंगे।

अंक योजना-

(अ भाग)

गद्य एवं पद्य संकलन की विविध विधाएँ क्रमशः	(25 + 25 = 50 अंक)
1. एक प्रश्न व्याख्याओं से संबंधित क्रमशः	(10 + 10 = 20 अंक)
2. दो परिचयात्मक प्रश्न प्राद्य पुस्तकों से	(15 + 15 = 30 अंक)

(ब भाग)

1. शब्द शुद्धि	-5 अंक
2. वाक्य शुद्धि	-5 अंक
3. पारिभाषिक शब्दावली (अंग्रेजी शब्दों के हिन्दी समानार्थक शब्द)	-5 अंक
4. संक्षेपण	-5 अंक
5. पल्लवन	-5 अंक
6. वाक्यांश के लिए सार्थक शब्द	-5 अंक
7. प्रारूप	-5 अंक
8. शब्द युग्म: अर्थ-भेद	-5 अंक
9. निबन्ध	-10 अंक

गद्य-संकलन

- ग्रामोत्थान- नानाजी देशमुख, दीनदयाल शोध संस्थान चित्रकूट
- पर्यावरण और सनातन दृष्टि छगन मेहता, संक्रान्ति और सनातनता, संकलन से वागदेवी प्रकाशन बीकानेर
- ठिठुरता हुआ गणतंत्र (व्यंग्य)- हरिशंकर परसाई, तिरछी रेखाएँ, वाणी प्रकाशन दिल्ली
- लछमा (रेखाचित्र) महादेवी वर्मा, अतीत के चल चित्र वाणी प्रकाशन, नई दिल्ली
- अग्नि की उड़ान (परिच्छेद 16) ए.पी.जे.अब्दुल कलाम प्रभात प्रकाशन, नई दिल्ली
- भेड़ाघाट: मार्बल रॉक्सौर धुआँधार - अमृत लाल वेगड़ अमृतस्य नर्मदा ग्रंथ, मध्यप्रदेश अकादमी, भोपाल, मध्यप्रदेश
- आवाज का नौलाम (एकांकी) धर्मवीर भारती गद्य-प्रभा-डॉ. नवल किशोर पंचशील प्रकाशन, जयपुर
- सावचेती विजयदान देथा, आठटलुक पत्रिका 03.10.2005
- हिन्दी भाषा और उसकी विरासत -डॉ. विद्यानिवास मिश्र, हिन्दी साहित्य का पुनरावलोकन विद्या निवास मिश्र, प्रभा प्रकाशन, दिल्ली
- सुसंग-कुसंग-सीताराम महर्षि, कृष्ण कुटीर, रतनगढ़, चुरू (राज.)
- ये हैं प्रोफेसर शशांक-डॉ. विष्णुकान्त शास्त्री - 'स्मरण को पाथेय बनने दो' संग्रह, लोक भारती, इलाहाबाद (उ. प्र.)
- तुलसी के काव्य में 'कुराज' और 'सुराज'- प्रो. सूर्य प्रसाद दीक्षित साहित्यिक डो 54, निराला, नगर लखनऊ (उ. प्र.)

पद्य - संकलन

- गंगावतरण, भारतेन्दु हरिश्चन्द्र 'भारतेन्दु समग्र' संपादक, हेमंत भार्गी हिन्दी प्रकाशन संस्थान, वाराणसी (उ. प्र.)
- गोवर्धन धारण, हरिऔध 'प्रिय प्रवास' महाकाव्य हिन्दी साहित्य कुटीर, वाराणसी (उ. प्र.)
- भारत वन्दना मैथिलीशरण गुप्त 'मंगल-घट' काव्य ग्रंथ साहित्य (नीलाम्बर परिधान) सदन चिरगाँव, झाँसी (उ. प्र.)
- समर शेष है रामधारी सिंह दिनकर 'परशुराम की प्रतीक्षा' ग्रंथ से, राजपाल एण्ड संस, दिल्ली
- वीरों का कैसा हो वसन्त, सुभद्रा कुमारी चौहान 'सुभद्रा कुमारी चौहान' सम्पादक: सुधा चौहान साहित्य अकादमी, नई दिल्ली
- चल पड़े जिधर दो डग, सोहन लाल द्विवेदी 'राष्ट्रीय गीत संग्रह' साहित्य अकादमी, नई दिल्ली
- श्रम दयाकृष्ण विजय 'श्रम-धरा' अर्चना प्रकाशन, अजमेर
- भारती की साधना इन्दुशेखर तत्पुरुष 'हमारा दृष्टि कोण स्मारिका' 70/75 मानसरोवर जयपुर (राज.)

1. GENERAL ENGLISH

Duration: 3 Hours

Min Pass Marks 36

M.M. 100

Objectives: This is Essentially a Language Based Course. It aims at making students read English prose with a view to enlarging their comprehension of the language and encouraging them to develop reading habits. It also aims at giving them basic skills in grammar widening their vocabulary. The Question paper will consist of 100 multiple choice questions of 1 mark each (OMR sheet system)

1. Comprehension and Vocabulary

- Questions based on content from the prescribed text 15
- Questions based on a passage from the prescribed text to test the candidate's comprehension and vocabulary. 20
- Questions based on an unseen passage to test the candidate's comprehension and vocabulary. 15

(There will be text of essays and short stories between 100 and 120 pages in length. The text book prescribed is "Language Through Literature" (OUP, NEW DELHI)

2. Grammar

- Prepositions 5 marks
- Direct & Indirect Speech 5 marks
- Active-Passive Voice 5 marks
- Joining Sentences 5 marks
- Elements of a sentence 5 marks
- Transformation of Sentences 5 marks

G	Modals	5 marks
H	Tense Usage	5 marks
I	Determiners	5 marks
J	Common errors in English	5 marks

Books recommended

1. A.J. Thomson and A.V. Martinet : A practical English Grammar (Oxford Paper Back)
2. S. Pit Corder : Intermediate English Practice Book (Orient Longman)
3. Bhaskaran and Hordburgh : Strengthen Your English (OUP 1973)
4. T.I.H. Smith Pearce : The English Errors of Indian Students (OUP)
5. I.K. Sharma and V.D. Singh : A Practical Course of English (Ramesh Book Depot, Jaipur)

1. प्रारम्भिक हिन्दी**(ELEMENTARY HINDI)**

(सामान्य हिन्दी के स्थान पर केवल अहिन्दी भाषी क्षेत्रों से आए हुए विद्यार्थियों के लिए)
उत्तीर्णांक: 36 अवधि 3 घण्टे पूर्णांक : 100

अंकों का विभाजन-

- | | |
|--------------------------------|--------|
| 1. पुस्तकों पर आधारित | 50 अंक |
| 2. व्याकरण से संबंधित | 20 अंक |
| 3. रचना से संबंधित | |
| क. लोकोक्तियों तथा मुहावरे आदि | 10 अंक |
| ख. पत्र लेखन अथवा निबंध | 20 अंक |

पाठ्यक्रम :

1. अध्ययनार्थ पाठ्य पुस्तकें : क. निबंध-संग्रह, ख. कहानी संग्रह
2. व्याकरण : शब्द विचार, वाक्य विन्यास, वाक्य खण्ड, पद-क्रम का ज्ञान तथा इसमें होने वाली सामान्य त्रुटियों का ज्ञान।
3. रचना :
 - क. मुहावरों तथा लोकोक्तियों का प्रयोग, काव्य में समान दिखाने वाले शब्दों का अर्थ-भेद और उनका वाक्यों में प्रयोग
 - ख. पत्र लेखन, अथवा सरल निबन्ध।

पाठ्य पुस्तकें :

- क. निबन्ध संग्रह
सुगम हिन्दी गद्य (सम्पादक) सूरज भान, राजपाल एण्ड सन्स, दिल्ली
- ख. गल्पदशिका 2, 7 एवं 8 पाठों को छोड़कर
सं. एम. एल. गर्ग एवं कमला भटनाकर, कालेज बुक डिपो, जयपुर
- ग. व्याकरण एवं रचना-

सुबोध व्याकरण एवं रचना- सं. श्री व्यथित हृदय संशोधन कर्ता- डॉ. अम्बाप्रसाद सुमन, श्री राम मेहरा एण्ड कम्पनी, आगरा।

OR

HISTORY OF INDIAN CIVILISATION

(in lieu of compulsory subject of General Hindi and Foreign Students)

Scheme of Examination

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

There will be following three parts in the question paper of this subject.

Part A Marks - 20

Note : Part A will contain 10 question in all. candidate are required to attempt all question in 20 words each. All questions carry equal marks.

Part B Marks - 20

Part B will contain 05 question having one internal choice.

Candidate are required to attempt five questions 50 words each. All questions carry equal marks.

Part C Marks - 60

Part C will contain 05 questions in all. Candidate are required to attempt 03 questions in 400 words each. All questions carry equal marks.

Part 'A'

Outline of Historical Development : Indus Valley and the Aryans. Rise of Territorial States, Rise of Empires-Mauryas, Gupta, Kushan & Vardhana.

Part B'

Emergence and Impact of Islam, the Rajput and Akbar. The British Impact. The National Movement Tilak, Gandhi and Nehru.

Part 'C'

Social Life and Cultural Heritage : Family, Caste, Education, Buddhism and Jainism, Bhakti Movement, Literary and Art Heritage. Epics. Kalidas. Tulsidas, Tagore, Sanchi Ajanta Temple Architecture, Mughal Architecture Rajput and Mughal Painting.

2. COMPULSORY PAPER OF ENVIRONMENTAL STUDIES

Compulsory in 1 year for all streams at undergraduate level

Scheme of examination

Time 3 hrs Pass Marks 36 Max. Marks 100

Theory Examination paper will be as follows : Duration 3 hours, maximum marks 100, consisting of 100 objective type questions of 1 marks each.

Note:

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

अनिवार्य विषय

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

गाँधी जीवन और दर्शन

(Life and Philosophy of Gandhi)

उद्देश्य

1. विद्यार्थियों को महात्मा मोहनदास करमचंद गाँधी के जीवन तथा उनके दर्शन के बारे में जानकारी
2. गाँधीजी के विचारों का विश्लेषण
3. राजनीतिक, सामाजिक, धार्मिक, आर्थिक, सांस्कृतिक एवं पर्यावरण के संदर्भ में गाँधी जी के विचारों को जानना

Objectives

1. To apprise students with Gandhian Life and his philosophy
2. To analyze Gandhian thoughts
3. To know Gandhian views on politics, Society, Religion, Economics, Culture and Environment

परीक्षा योजना

1. यह परीक्षा वार्षिक होगी एवं एक ही प्रश्न पत्र होगा।
2. यह प्रश्न पत्र 100 अंकों का होगा जिसमें पाँच इकाइयाँ होंगी। प्रत्येक इकाई से 10 बहुविकल्पी प्रश्न पूछे जायेंगे।
3. प्रत्येक प्रश्न के दो अंक होंगे।
4. छात्र न्यूनतम 36 या अधिक अंक प्राप्त करने पर उत्तीर्ण होंगे।
5. परीक्षा OMR sheet आधारित होगी।
6. तीन वर्ष (अधिस्तातक पाठ्यक्रम की अवधि) में यह प्रश्न पत्र उत्तीर्ण करना अनिवार्य होगा।
7. विश्वविद्यालय के सभी संकायों के लिए सत्र 2019-20 से यह प्रश्न पत्र अनिवार्य होगा।

Scheme of Examination

1. Examination will be held annually based on one question paper.
2. Maximum marks for the question paper will be 100 which will have five units. Ten multiple choice questions will be asked from each unit.
3. Each question will carry 2 marks.
4. Minimum passing marks will be 36 to declare pass.
5. Examination will be OMR sheet based.
6. It is essential for a student to pass this paper within a period of three years (period of degree program).
7. This paper will be compulsory for students of all the faculties of the University from session 2019-20.

(ii) / M.D.S.U. Syllabus

- इकाई 1. गाँधी जी का जीवन परिचय गाँधी जी के जीवन की प्रेरक घटनाएँ
Unit-1. Life of Gandhi Ji, Inspirational events in the life of Gandhi.
- इकाई 2. गाँधी जी के राजनैतिक विचार - राजनैतिक धर्म एवं राजनीति में सत्य अहिंसा एवं सत्याग्रह के प्रयोग
Unit-2. Gandhian political thoughts- Political religion and use of truth, non-violence and satyagrah in politics
- इकाई 3. गाँधीजी का आर्थिक विचार - ग्रामीण विकास, खादी एवं ग्रामोद्योग, न्यासवादिता का सिद्धांत
Unit-3. Economic thought of Gandhi - Rural development, Khatu and rural industry, Principal of Trusteeship
- इकाई 4. भारतीय जीवन मूल्य एवं गाँधी दर्शन,
Unit-4. Indian Life Values and Gandhian philosophy
- इकाई 5. गाँधी जी का सामाजिक विचार, समाजोत्थान के कार्य, महिला सशक्तिकरण, बुनियादी शिक्षा एवं सामाजिक समरसता, अस्पृश्यता, रूढ़िवादिता का निवारण, नागरिक कर्तव्य, स्वच्छता, पर्यावरण एवं स्वावलंबन
Unit-5. Gandhian Social Thought, Works of social upliftment, women empowerment, basic education and social homogeneity, untouchability, solutions to fanaticism, civil duties, cleanliness, environment and self dependency.

Suggested Readings

1. M.K. Gandhi - My experiment with truth, Pub. Bombay sarvodya mandal, Mumbai
2. M.K. Gandhi - Hind Swaraj. Pub. Rajpal and Sons, Delhi .
3. Naresh Dadhich - Gandhi Chintan. Pub. Rawat Publications, Jaipur
4. Dharendra Mohan Datta - Philosophy of Mahatma Gandhi. Pub. Madison, The University of Wisconsin Press.

HONOURS SUBJECTS**1. ENGLISH LITERATURE (Hons.)**

Scheme	Duration	Max. Marks	Min. Pass Marks
Four Papers			
Paper-I	3 hrs.	100	40
Paper-II	3 hrs.	100	40
Paper-III	3 hrs.	100	40
Paper-IV	3 hrs.	100	40

PAPER-I : ENGLISH LANGUAGE

Note: Candidates will be required to answer five questions in all with at least one question from each section. All questions will carry equal marks.

Section-"A"

Comprehension, Essay writing.

Section-"B"

Precis writing, Critical Appreciation of an Unseen Poem.

Section-"C"

Grammar and Usage from A.S. Hornby: Guide to Patterns and Usage in English.
Anomalous Finites. Time and Tense, Determiners.

Adjective Equivalent (including relative clauses) and Adverbials.

Books Recommended:

- L.G Alexander : Poetry and Prose Appreciation for Overseas Students
L.A. Hill : Literary Appreciation
R.A. Close : The English We Use

1. ENGLISH LITERATURE (Hons.)

Scheme	Duration	Max. Marks	Min. Pass Marks
Four Papers			
Paper-I	3 hrs.	100	40
Paper-II	3 hrs.	100	40
Paper-III	3 hrs.	100	40
Paper-IV	3 hrs.	100	40

PAPER-II-PRE-ROMANTIC AND ROMANTIC POETS

Note: Candidates will be required to answer five questions in all-Question I (Four passages for explanation with reference to the context from the texts prescribed for detailed study), and four other questions with at least one each from questions on authors in Sections A, B & C All Questions will carry equal marks.

For detailed study:

The poems of Collins, Cowper, Wordsworth, Keats and Shelley as in Units A.B. & C below.

Section-"A"

William Collins. "Ode to Evening". The Castaway. The solitude of Alexander Selkirk

Section-"B"

W. Wordsworth, "Lines Composed a Few Miles above Tintern Abbey", "Ode on Intimations of Immortality", S.T. Coleridge: Christabel Pts I & II.

Section-"C"

Byron : Vision of Judgement
J. Keats : Eve of St. Agnes.
Shelley : "Ode to the West Wind, The Cloud

Books recommended:

Pelican Guide to English Literature ed. Boris Ford
(From Blake to Byron)

Graham Hough : Romantic Poets
C.M. Bowra : The Romantic Imagination
G.W. Knight : The Starlit Dome.

1. ENGLISH LITERATURE (Hons.)

Scheme

Four Papers	Duration	Max. Marks	Min. Pass Marks
Paper-I	3 hrs.	100	40
Paper-II	3 hrs.	100	40
Paper-III	3 hrs.	100	40
Paper-IV	3 hrs.	100	40

PAPER-III-VICTORIAN POETRY AND DRAMA

Note: Candidates will be required to answer five questions in all-Question I

(Four passages for explanation with reference to the context from the texts prescribed for detailed study), and four other questions with at least one each from questions on authors in Sections A, B & C All Questions will carry equal marks.

For detailed Study:

Poems of Tennyson, Browning, Arnold, Rossetti and Hopkins as in sections A & B.

Section-"A"

A. Tennyson : "The Lady of Shalott", "Ulysses", "Lotos Eaters"
R. Browning : "The Laboratory", "The Last Ride Together",
"My Last Duchess"

Section-"B"

M. Arnold : "Dover Beach", "Thyrsis".
D.G. Rossetti : "The Blessed Damozel"
C.A. Swinburne : "The Garden of Proserpine", "A Forsaken
Garden"
G.M. Hopkins : "Spring and Fall", "Pied Beauty"

Section-"C"

O. Wilde : Lady Windermere's Fan

Suggested Readings:

Pelican Guide to English Literature Ed. Borist (Ford From Dickens to Hardy)
Dobree & Batho : The Victorians and After.
H. Walker : Literature of the Victorian Era.
G.K. Chesterton : The Victorian Age in Literature.
F.H. Buckley : The Victorian Temper

1. ENGLISH LITERATURE (Hons.)

Scheme

Four Papers	Duration	Max. Marks	Min. Pass Marks
Paper-I	3 hrs.	100	40
Paper-II	3 hrs.	100	40
Paper-III	3 hrs.	100	40
Paper-IV	3 hrs.	100	40

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PAPER-IV-NINETEENTH CENTURY PROSE AND FICTION

Note: Candidates will be required to answer five questions in all-Question 1 (four passages for explanation with reference to the context from the texts prescribed for detailed study), and four other questions with at least one each from question on authors in Section & A, B & C All questions will carry equal marks.

For detailed study:

The essays of Lamb, Hazlitt and Carlyle as in Section A

Section-"A"

- Charles Lamb : The following essays from "Essays of Elia" ed. N.L. Hallward & S. C. Hill (Macmillan)
"Oxford Vacation", "In Praise of Chimney Sweepers",
"Mackery End in Hertford Shire".
- William Hazlitt : "On Familiar Style", "On Going a Journey"
- Thomas Carlyle : The Hero as Poet.

Section-"B"

- Jane Austen : Emma
- C. Dickens : Great Expectations

Section-"C"

- Thomas Hardy : Tess of the D' Urbervilles
- R.L. Stevenson : Dr. Jekyll and Mr. Hyde

SUGGESTED READINGS:

Pelican Guide to English Literature ed- Boris Ford (From Dickens to Hardy)

- D. Thomson : English in the Nineteenth Century (Pelican)
- H.V. Routh : Towards the Twentieth Century
- S. Vines : A Hundred Years of English Literature 1830-1940
- W.E. Baker : The Re-Interpretation of Victorian Literature
- W. Woolf : The Common Reader
- M.H. Law : The English Familiar Essay in the Nineteenth Century.

2. POLITICAL SCIENCE (Hons.)**Scheme**

Four Papers	Duration	Max. Marks	Min. Pass Marks
Paper-I	3 hrs.	100	40
Paper-II	3 hrs.	100	40
Paper-III	3 hrs.	100	40
Paper-IV	3 hrs.	100	40

PAPER-I: MODERN POLITICAL THEORY

Time: 3 hrs.

Max. Marks: 100

Note: Each theory paper is divided into three independent units. The question paper will be divided into three parts: Part-A, Part-B and Part-C. Part-A (20 marks) is compulsory and contains 10 questions at least three questions from each unit. Each question is of two marks (20 words). Part-B (20 marks) is compulsory and will contain five questions, at least one from each unit. Candidate is required to attempt all five questions. Each question is of four marks (50 words). Part-C (60 marks) contains six questions: two from each unit. Candidate is required to attempt three questions one from each Unit. Each question is of twenty marks (400 words).

UNIT-I

Meaning and Characteristics of Political Theory.

Political Theory – Political Philosophy and Political Science.

Methods of Political Analysis – Scientific and Philosophical.

Political Theory – Normative and Empirical.

Decline and Revival of Political Theory.

Behavioural Approach in Political Science.

UNIT-II

Systems Analysis (David Easton) Structural Functional Analysis (Gabriel Almond)

Post – Behaviouralism – An end to Fact – Value Debate.

UNIT-III

Modern Concepts – Elite, Power, Authority and Legitimacy

Modern Approaches – Political Development – PYE

Political Modernization – Welch

Political Culture – Almond

Political Socialization – Hymn

Selected readings:

1. Brecht, Arnold: Political Theory – Foundations of Twentieth Century Political Thought
2. Germino, D.: Beyond Ideology: Revival of Political Theory:
3. Coold and Thursby ED.): Contemporary Political Thought
4. Mishra, K.K. & Tyengar, Kalpana: Modern Political Theory
5. Verma, K.N. Raj Darshan is 4 Volumes (in Hindi)
6. Verma, S.I.: Samkaln Rajnitik Chintan (in Hindi)
7. Verma, S.P.: Modern Political Theory (Hindi & English)
8. A.D. Ashirvatham : Modern Political Theory
9. J.C. Johari : Modern Political Theory
10. डॉ. एस.सी. सिंघल : आधुनिक राजनीतिक सिद्धान्त
11. Young Rolland: Approaches to the study of Political Science.
12. Rathod, P.B.: Political Analysis, ABD Jaipur, 2006.

2. POLITICAL SCIENCE (Hons.)

Scheme

Four Papers	Duration	Max. Marks	Min. Pass Marks
Paper-I	3 hrs.	100	40
Paper-II	3 hrs.	100	40
Paper-III	3 hrs.	100	40
Paper-IV	3 hrs.	100	40

PAPER-II: NATIONAL MOVEMENT AND CONSTITUTIONAL HISTORY 1885 TO 1947

Time: 3 hrs.

Max. Marks: 100

Note: Each theory paper is divided into three independent units. The question paper will be divided into three parts : Part-A, Part-B and Part-C. Part-A (20 marks) is compulsory and contains 10 questions at least three questions from each unit. Each question is of two marks (20 words). Part-B (20 marks) is compulsory and will contain five questions; at least one from each unit. Candidate is required to attempt all five questions. Each question is of four marks (50 words). Part-C (60 marks) contains six questions : two from each unit. Candidate is required to attempt three questions one from each Unit. Each question is of twenty marks (400 words).

UNIT-I

Growth of Nationalism in India. Moderates and Extremists; Programmes and Policies of the Congress in the earlier period.

Government reaction to the establishment of Congress Party.

Role of Extremism in Indian Politics, Government Policy of Divide and Rule-Partition of Bengal. Growth of Communalism in Indian Politics. The Surat Split. Morley – Minto Reforms. Government of India Act, 1909. Indian National Movement upto 1919.

UNIT-II

Non Co-operation Movement and Swaraj Party, Communal problem and Simon Commission, Nehru Report.

Civil Disobedience Movement, Communal Award and Round Table Conferences.

UNIT-III

Government of India Act. 1935-Salient Features: All India Federation, Federal Executive. Provincial Autonomy, National Movement from 1937 to 1947 and the Indian Independence Act of 1947.

Selected readings:

1. Agarwal, R.C.: Constitutional Development of India and National Movement (Hindi & English) S. Chand & Company N.D.
2. Gupta D.C.: Indian Government and Politics.
3. L.P. Sharma : Indian National Movement and Constitutional Development (Laxmi Narayan Agarwal, Agra)
4. डॉ. एस.सी. सिंघल : राष्ट्रीय आन्दोलन एवं भारत का संविधान (लक्ष्मी नारायण अग्रवाल, आगरा)
5. वीरकेश्वर प्रसाद सिंह : भारतीय राष्ट्रीय आन्दोलन एवं संवैधानिक विकास (ज्ञानदा प्रकाशन वी.एण्ड.डी.) नई दिल्ली
6. डॉ. के.एल. खुराना : भारतीय राष्ट्रीय आन्दोलन (लक्ष्मी नारायण अग्रवाल, आगरा)

2. POLITICAL SCIENCE (Hons.)

Scheme

Four Papers	Duration	Max. Marks	Min. Pass Marks
Paper-I	3 hrs.	100	40
Paper-II	3 hrs.	100	40
Paper-III	3 hrs.	100	40
Paper-IV	3 hrs.	100	40

**PAPER-III: REPRESENTATIVE INDIAN
POLITICAL THINKERS**

Time: 3 hrs.

Max. Marks: 100

Note: Each theory paper is divided into three independent units. The question paper will be divided into three parts : Part-A, Part-B and Part-C. Part-A (20 marks) is compulsory and contains 10 questions at least three questions from each unit. Each question is of two marks (20 words). Part-B (20 marks) is compulsory and will contain five questions; at least one from each unit. Candidate is required to attempt all five questions. Each question is of four marks (50 words). Part-C (60 marks) contains six questions : two from each unit. Candidate is required to attempt three questions one from each Unit. Each question is of twenty marks (400 words).

UNIT-I

Manu, Kautilya, Shukra

UNIT-II

Raja Ram Mohan Roy, Swami Dayanand Saraswati, Gopal Krishna Gokhale, Bal Gangadhar Tilak, Aurobindo Ghosh.

UNIT-III

M.K. Gandhi, Jawahar Lal Nehru, B.R. Ambedkar, M.N. Roy, Jai Prakash Narayan.

Selected Readings:

1. A.R. Appodora: Indian Political Thinking. Through the Ages, Delhi, 1992.
2. B.R. Purohit: Development of Political Thought, Rajasthan Hindi Granth Academy, Jaipur, 2000 (in Hindi)
3. C. Bhraill: Social and Political Ideas of B.R. Ambedkar.
4. Chandradeve Prasad: Political Ideas
5. D. Mathur: Gokhale: A Political Autobiography
6. M.A. Buch: Rise and Growth of Indian Liberalism
7. Purshattam Nagar: Indian Modern Social and Political Thought, Rajasthan Hindi Granth Academy, Jaipur, 2000 (in Hindi)
8. Sheldon Wolin: Politics and Vision
9. V.P. Verma: Modern Indian Political Thought
10. डॉ. बी.आर. पुरोहित : आधुनिक भारतीय राजनीतिक चिन्तन (राज. हि. ग्रन्थ अकादमी, जयपुर)
11. V.R. Mehta: Foundations of Indian Political Thought, Manohar Publishers and Distributors, New Delhi, 1999.
12. Verendra Grover: Bal Gangadhar Tilak
13. पुस्तक राज जैन : प्रतिनिधि भारतीय राजनीतिक विचारक
14. हरिदत्त वेदांलकर: पारम्पर्य राजनीतिक विचारों का इतिहास

15. डॉ. बी.आर. पुरोहित: भारतीय राजनीतिक चिन्तन का विकास
16. डॉ. एस.सी. सिंघल : प्रतिनिधि राजनीतिक विचारक
17. वी.पी. वर्मा : आधुनिक भारतीय राजनीतिक चिन्तन
18. मधुकर श्याम चतुर्वेदी : प्रतिनिधि भारतीय राजनीतिक विचारक

2. POLITICAL SCIENCE (Hons.)

Scheme

Four Papers	Duration	Max. Marks	Min. Pass Marks
Paper-I	3 hrs.	100	40
Paper-II	3 hrs.	100	40
Paper-III	3 hrs.	100	40
Paper-IV	3 hrs.	100	40

PAPER-IV: ELEMENTS OF PUBLIC ADMINISTRATION

Time: 3 hrs.

Max. Marks: 100

Note: Each theory paper is divided into three independent units. The question paper will be divided into three parts : Part-A, Part-B and Part-C. Part-A (20 marks) is compulsory and contains 10 questions at least three questions from each unit. Each question is of two marks (20 words). Part-B (20 marks) is compulsory and will contain five questions; at least one from each unit. Candidate is required to attempt all five questions. Each question is of four marks (50 words). Part-C (60 marks) contains six questions : two from each unit. Candidate is required to attempt three questions one from each Unit. Each question is of twenty marks (400 words).

UNIT-I

Meaning, Nature, Scope of Public Administration, Public and Private Administration – Importance of Public Administration in a Democratic, Socialistic and Welfare State.

UNIT-II

Organization Theory – Old and New Principles of Organization. Line Staff relationship – hierarchy.
Delegation, Coordination, Supervision.
Administrative Leadership, Decision – Making and Communication.
Management of Public Enterprises with Special reference to the problem of Public Corporation.

UNIT-III

Control over Public Administration – Legislative, Judicial and Popular Nature, Limits and role of these controls.

Personnel Administration – Recruitment, Training and Discipline.

Financial Administration: Budget Formulation and Execution, Parliamentary control, e-Governance

Selected Readings:

1. Awasthi & Maheshwari – Public Administration (Also Hindi Edition)
2. Bhabhari, C.P.: Public Administration.
3. Fadia, B.L.: Lok Prashashan (in Hindi)
4. Gladden, E.N.: Elements of Public Administration.
5. Peffer and Sherwood: Public Administration.
6. Sharma, M.P.: Theory and practice of Public Administration.
7. Sharma, P.D.: Lok Prashashan Ke Siddhant Avam Vyavhar (in Hindi)
8. Simon Smithburgh & Thompson: Public Administration.
9. Tyagi, A.R.: Public Administration.
10. डॉ. आर.के. दुबे : आधुनिक लोक प्रशासन
11. डॉ. एस.आर. नाहेश्वरी : भारतीय प्रशासन : इसका विकास
12. डॉ. एस.सी. सिंघल : लोक प्रशासन के तत्त्व

Part C will contain 05 questions in all. Candidates are required to attempt 03 questions in 40 words each. All questions carry equal marks.

PAPER-I EVOLUTION OF INDIAN CULTURE

Time: 3 hrs.

Max Marks - 100

Section: A

Indus religion, vedic religion, Upanishadic Philosophy and Teachings of Geeta, Epics and their Cultural significance, Jainism, Buddhism, Pauranic religion.

Section: B

Salient Features of Mauryan and Gupta Art. Development of Science during Gupta period, origin and development of Bhakti Movement, Sufism, Islam and its impact, cultural synthesis during Medieval Period Development of Art, Architecture during Medieval Period.

Section: C

Nature and contents of Indian renaissance, Ideas of Raja Ram Mohan Roy, Swami Dayanand Saraswati, Vivekanand, Literarty and cultural contribution of Kalidas, Tulsidas, Tagore, Premchand, challenge of Western ideas-Tradition and Modernity.

Suggested Reading:-

1. B.N. Luniya : Bhartiya sanskriti Ka Vikas
2. Satyaketu Vidhyalankar : Bhartiya Sanskriti Ka Vikas
3. Ramdhari Singh Dinker : Sanskriti Ke Char Adhyaya
4. K.D. Vajpai : Bhartiya Kala

3. HISTORY**Scheme**

Four Papers	Duration	Max. Marks	Min. Pass Marks
Paper-I	3 hrs.	100	40
Paper-II	3 hrs.	100	40
Paper-III	3 hrs.	100	40
Paper-IV	3 hrs.	100	40

PAPER II : HISTORY OF INDIA UP TO A.D. 650

Time: 3 hrs.

Max Marks : 100

Note: Each theory paper will be divided into three parts:-

Part A

Marks – 20

Note: Part A will contain 10 questions in all. Candidates are required to attempt all questions in 20 words each. All questions carry equal marks.

Part B

Marks – 20

Part B will contain 05 questions having one internal choice. Candidates are required to attempt five questions 50 words each. All questions carry equal marks.

Part C

Marks – 60

Part C will contain 05 questions in all. Candidates are required to attempt 03 questions in 40 words each. All questions carry equal marks.

Section: A**Geographical background**

Physiography, major routes of communication; environment people and languages. Survey of sources and approaches to ancient Indian history Sources : Literature; archaeology epigraphy numismatics.

Pre-history

- Paleolithic cultures** – sequence and geographical distribution ; topographic and climatic changes; evolution and uses of stone industries and other technological developments.
- Mesolithic cultures** – regional and chronological distribution; new developments in technology and economy; rock art.
- Food production**-concept of the Neolithic. Understanding the complexities of its beginnings.

Proto-history

- Growth of Chalcolithic village society from Baluchistan to Gujarat.
- The Harappan civilization—origin, distribution, morphology of major sites (Mohenjodaro, Harappa, Kalibangan, Lothal, Dholavira), Agrarian base, craft production and trade, religious beliefs and practices, art and architecture, and script. The problem of urban decline and the late harappan cultures.
- Neolithic/Chalcolithic cultures in non/Harappan India.

Section: B**Background to the emergence of early historic India:**

- Society, economy, polity and religion as reflected in Vedic literature.
- Iron Age cultures with special reference to Painted Grey Ware and Northern Black Polished Ware cultures. Megaliths.

- Material and ideological background.
- Jainism, Buddhism, Ajivikas and other systems.
- Expansion of settlements and urbanization.
- Social structure.
Janapadas and Mahajanapadas:
 - Early monarchical states and gana-sanghas.
 - Craft production, trade and coinage.

The Mauryan Empire.

Empire—its nature and bases: political and cultural relations with special references to Sri Lanka and West Asia: Ashoka's dharma – its nature and propagation: society and economy: art and architecture.

Section : C**Post-Maury development (c. 200 B.C. - 300 A.D.)**

- Invasion and their impact : Bactrian, Greeks, Scythians, Kushanas.
- Polity Economy, Society, Religion, and Culture.
 - Polity : Post Mauryan political policies with special reference to the Kushanas and Satavahanas : Tamil Chief dynasties— Chera, Chola, Pandya.
 - Economy: land grants and agricultural expansion, urban growth, craft production : trade and trade routes, coinage and currency Indo – Roman trade.
 - Society peasantization of tribes; assimilation of incoming people.
 - Religion : spread of Jainism and Buddhism; emergence of Mahayana Buddhism; Vaisnava and Saiva forms of worship; beginning of Tantric practices.
 - Culture: art and architecture; sculpture, literature, scientific and technical treatises.
 - Sangam Age: society, language and literature, Megaliths, Tamilagam.

Age of the Guptas

- State and administrative institutions.
- Social and economic changes with special reference to urban patterns: agrarian structure; land grants ; coinage and currency system ; trade.
- Cultural developments ; art; architecture; sculpture; painting, literature, religion, Sanskrit theatre.
- Cultural contacts with Central Asia.

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e. Maukharis, Vakatakas, Chalukyas and later Guptas.

Post- Gupta period

- a. Harshavardhana: political system and administrative institutions.
 b. Peninsular India: Chalukyas, Pallavas; polity, society and economy. Cultural developments with special reference to art and religion.

Suggested Readings:-

1. R.C. Majumdar: History and Culture of Indian People Vol. I
2. S.K. Maaty: Economic Life in North Indian in the Gupta Period 300 to 550 A.D
3. R.S Sharma: Aspect and Political idea of institutions in Ancient India
4. Romila Thapper : Ashoka and Decline of Maurya's
5. Romila Thapper : Perspective of early India History

3. HISTORY**Scheme**

Four Papers	Duration	Max. Marks	Min. Pass Marks
Paper-I	3 hrs.	100	40
Paper-II	3 hrs.	100	40
Paper-III	3 hrs.	100	40
Paper-IV	3 hrs.	100	40

**PAPER- III SOCIAL AND CULTURAL HISTORY OF RAJASTHAN
(7th C to 1950 A.D.)**

Time : 3 hrs.

Max Marks: 100

Note: Each theory paper will be divided into three parts:-

Part A Marks – 20

Note: Part A will be contain 10 questions in all. Candidates are required to attempt all questions in 20 words each all. All questions carry equal marks.

Part B Marks – 20

Part B will contain 05 questions having one internal choice. Candidates are required to attempt five questions 50 words each. All questions carry equal marks.

Part C Marks – 60

Part C will contain 05 questions in all. Candidates are required to attempt 03 questions in 40 words each. All questions carry equal marks.

Section A

Main sources of social History of Rajasthan. Geographical situation of Rajasthan. Inferences of this feature in social and cultural life main social institutions : Development of caste organization : Family organization , Main Sanskaras, Marriage, Slavery, Education.

Section B

Social customs and their ramifications: Dowry, Purdah, Impact of Feudalism on society : Forced Labour. Social discrimination. Removal of untouchability fairs and festivals : Main features and contribution to society Transformations and change : Socio-religious movements with special reference to Sufism, Bishnois (Jambhojo) Dadupanthi, Ramsnehi.

Section C

Impact of west and social awakening western cultural and Educational impact. Social work of christian Missionaries and Arya Samaj : Bhagat movement under govind guru : Caste reform sabhas with special reference to walherkrit Rajput Hitkarani Sabha : Proclamation and legislation for social reforms, Modernization.

Suggested Books:-

1. Sharma Dashrath : Rajasthan through the ages Vol. I- II
2. Sharma G.N. : Social life in Medieval Rajasthan
3. Tod, Col. James. : Annals and antiquities of Rajasthan Vol. I-III
4. Dr. Oranungo K. R. : Studies in Rajput History
5. Dr. Shrivastava A.L. : History of Medieval India.
6. डॉ. शर्मा गोपीनाथ – 1. राजस्थान का इतिहास 2. राजस्थान का सांस्कृतिक इतिहास
7. ओझा जी.एच. – राजपूताना का इतिहास (2 Vols.)
8. डॉ. पानगड़िया वी. एल. – राजस्थान का स्वतन्त्रता संग्राम
9. डॉ. शर्मा जी.एन. – राजस्थान के इतिहास के स्रोत

3. HISTORY**Scheme**

Four Papers	Duration	Max. Marks	Min. Pass Marks
Paper-I	3 hrs.	100	40
Paper-II	3 hrs.	100	40
Paper-III	3 hrs.	100	40
Paper-IV	3 hrs.	100	40

PAPER-IV : WORLD HISTORY

Time: 3 hrs

Max Marks - 100

Note: Each theory paper will be divided into three parts:-

Part A

Marks - 20

Note: Part A will be contain 10 questions in all. Candidates are required to attempt all questions in 20 words each all. All questions carry equal marks.

Part B

Marks - 20

Part B will contain 05 questions having one internal choice. Candidates are required to attempt five questions 50 words each. All questions carry equal marks.

Part C

Marks - 60

Part C will contain 05 questions in all. Candidates are required to attempt 03 questions in 40 words each. All questions carry equal marks.

Section A

Salient features of Paleolithic, Mesolithic and Neolithic cultures. Study of ancient civilizations - Egypt, Mesopotamia and China with special reference to State, Society Religion, Art and Architecture, development of Science and Technology.

Section B

Civilization of Greece - Growth of State and society, Development of Religion Philosophy, Literature, Science, Art and Architecture. Civilization of Rome Political ideas and institutions. The Rise of Imperialism, Roman law and its contribution. Roman Society, Development of literature, Science, Art and Architecture, Rise of Christianity and role of church.

Section C

Decline of Roman Empire and Emergence of Western Europe. Transition from Ancient Society to Medieval Society. Growth of Feudalism, Trade, Trade routes and commerce urbanization. Islamic World - Rise of Islam, Evolution of Islamic State under Umayyias and Abbasies. The Arab Civilization and its contribution Crusades and their impact on Europe.

Suggested Books:-

1. J.H. Puri; : Age of Reinsance

2. C.J.F Haynes : A Political and Cultural History of Modern Europe in two Volumes.

3. Burns Macneil : Western Civilization

4. रितमरी देवी : विश्व का इतिहास, बिहार हिन्दी ग्रन्थ अकादमी

5. जैन एवं मध्युर : विश्व इतिहास (1600-1800), पैन प्रकाशन मन्बिर जयपुर

GEOGRAPHY (HONS.)

Paper	Duration	Max. Marks	Mini Marks
I	3 hrs.	80	128 (40%)
II	3 hrs.	80	
III	3 hrs.	80	
IV	3 hrs.	80	32 (40%)
Practical			

(For each batch of 20 students)

Total = 320+80=400, 128+32=160

Student will have to pass separately in theory and practical. A weekly seminar is to be arranged for all Hons. Classes.

PAPER-I : PHYSICAL BASIS OF GEOGRAPHY

Max. Marks : 80

3hr. duration

Note :-

1. Each theory paper is divided into three independent units. The question paper is divided into three parts, Part -A, Part-B and Part-C
2. Part-A (15 marks) is compulsory and contains 10 questions (20 words), at least three questions from each unit, each question of 1.5 marks.
3. Part-B (20 marks) is compulsory and contains five questions, at least one from each unit. Candidate is required to attempt all five questions. Each question is of 4 marks (50 words).
4. Part-C-(45 marks) contains six questions. Two from each unit Candidate. Is required to attempt three questions one from each unit. Each question is of 15 marks (400 words)

Course Contents :

Unit-I

Definition of Physical Geography, Solar System, Origin of the earth ; Shape and size of the Earth, Motions of the Earth and its Satellite, Solar and Lunar eclipses,

Physical and chemical state of the earth, structure and zones of the interior of the earth and Geological time scale.

Unit-II

Wegner's theory of continental drift : Theories of mountain building – Jolly, Kober and Holmes; Plate Tectonics; Isostasy; Earth movements; Diastrophic forces – Faults and folds; Sudden endogenetic forces; Earthquakes and Volcano. Rocks-their types and characteristic; Weathering and soil formation; Concept of cycle of Erosion- Davis and Penck; Landforms associated with Fluvial, Glacier, Aeolian and Coastal landscapes.

Unit-III

Composition and layers of atmosphere; Insolation and heat budget of the Earth : Temperature and Pressure : Atmospheric circulations- Planetary and local winds; Monsoon and Jet Stream; Air masses and fronts; Temperate and tropical cyclones: Types and distribution of Precipitation; Koppen's and Thornthwaite's classification of world climate; Hydrological cycles
Relief features of Atlantic, Indian and Pacific Oceans; Distribution of temperature and salinity in oceans; Ocean currents and tides; Marine deposits; Coral reefs and Atolls – Types and their origin according to Darwin. Murray and Daly; Marine resources- biotic, mineral and energy resources and their utilization.

Suggested Books:

1. Strahler, A.H. : Elements of Physical Geography.
2. Wooldridge, S.W.: The Physical Basis of Geography, Logman's Green & Co. London 1959.
3. Mathur. I.R. : Climatology, Mc. Graw Hill, New York.
4. Banerjee, H.C. & D.S. : Mosam Vigyan, Rajasthan Hindi Granth Academy Jaipur.
5. Gerald, S. : General Oceanography.- An Introduction, John Willey & Sons, New York.
6. Finch & Trewarths : Elements of Physical Geography.

7. Negi : Physical Geography.
8. Sharma. R.C. : Oceanography for Geographers, Chaitanya Publishers, Allahabad.
9. सविन्द्र सिंह : भौतिक भूगोल-वसुधरा प्रकाशन, गोरखपुर।
10. वी.एस. चौहान एवं अलका गौतम : भौतिक भूगोल-रस्तोगी प्रकाशन, मेरठ।
11. सी.वी. मामोरिया एवं रतन जोशी : भौतिक भूगोल, साहित्य भवन पब्लिकेशन, आगरा।
12. आर.के. गुर्जर एवं वी.सी. जाट भौतिक भूगोल पंचशील प्रकाशन जयपुर।

PAPER-II : HUMAN GEOGRAPHY

3hr. duration

Max.Marks : 80

Note :-

1. Each theory paper is divided into three independent units. The question paper is divided into three parts, Part -A, Part-B and Part-C
2. Part-A (15 marks) is compulsory and contains 10 questions (20 words), at least three questions from each unit, each question of 1.5 marks.
3. Part-B (20 marks) is compulsory and contains five questions, at least one from each unit. Candidate is required to attempt all five questions. Each question is of 4 marks (50 words).
4. Part-C-(45 marks) contains six questions. Two from each unit Candidate. Is required to attempt three questions one from each unit. Each question is of 15 marks (400 words)

Course Contents :

Unit-I

Definitions, nature, scope, development and history of human geography; Principles of Human Geography; Approaches of Human Geography; Elements of Human Geography – according to Vidal de-la-Blache, Brunhes, Huntington : Branches of Human geography; Concepts of man-environment relationship. Concept of dualism in geography.

Division of races of mankind : spatial distribution, physical and social profile of racial groups. Ethnic groups. Tribal groups in the world and in India.

Unit – II

Early economic activities of mankind : food gathering, hunting, fishing and shifting cultivation. Human adaptation to environment (i) Cold Region – Eskimo; (ii) Hot, Region- Bushman, Pigmy, Badawins (iii) Plateau – Khirghiz, Masai, Gonds (iv) Mountain – Gujjars, Naga and Khasi (v) Plain-Bhil and Santhal, their Social and Economic activities and adaptation in modern society.

Distribution of population, world distribution pattern – physical, economic and social factors influencing spatial distribution; concepts of over population, under population and optimum population. Zero population growth; demographic transition theory.

Unit – III

Migration-internal and international, general laws of migration, Concept of Human Development, population regions of India; dynamic, prospective, depressed; Problem of overpopulation in India and its remedial measures. Population control programmes and population policy of India.

Settlement : Origin and types of settlements, Rural Settlement- Pattern of Rural settlements; House types and Building materials, Rural settlement in India. Urban settlement – Origin of towns; patterns of cities; functional classification of cities; zoning of cities; Christaller's theory; umland; urbanization and problems; Slums; Town planning – concepts and principles.

Suggested Books:

1. Bergwan, Edward E : Humna Geography; Culture, Connection and Land Scape, Prentice-Hall, New Jersey, 1995.
2. Carr, M : Patterns, Process and change in Human Geography, McMillan Education London, 1987.
3. Fellman, J.L. : Human Geography- Landscapes of Human Activities. Brown and Benchmark Pub., U.S.A. 1997.

4. De Blij H.J. : Human Geography, Culture, Society and Space, John Wiley, New York, 1996.
5. कौशिक : मानव भूगोल के सरल सिद्धान्त, रस्तोगी एण्ड कम्पनी, मेरठ।
6. विश्वनाथ द्विवेदी एण्ड कनोजिया : मानव भूगोल के सिद्धान्त, किताब महल, इलाहाबाद।
7. जोशी रतन : मानव एवं पर्यावरण, साहित्य भवन पब्लिकेशन, आगरा।
8. कास्वॉ-मानव एवं पर्यावरण, मलिक प्रकाशन, जयपुर।
9. गुर्जर. आर.के. एवं जाट वी.सी. : मानव भूगोल, पंचशील प्रकाशन, जयपुर।

PAPER-III : GEOGRAPHY OF RAJASTHAN

3hr. duration

Max.Marks : 80

Note :-

1. Each theory paper is divided into three independent units. The question paper is divided into three parts, Part –A, Part-B and Part-C
2. Part-A (15 marks) is compulsory and contains 10 questions (20 words), at least three questions from each unit, each question of 1.5 marks.
3. Part-B (20 marks) is compulsory and contains five questions, at least one from each unit. Candidate is required to attempt all five questions. Each question is of 4 marks (50 words).
4. Part-C-(45 marks) contains six questions. Two from each unit. Candidate. Is required to attempt three questions one from each unit. Each question is of 15 marks (400 words)

Course Contents :

Unit – I

Rajasthan : Location; Physiographic Regions; Geological structure; Climate and Climatic regions; Drainage system and lakes; soil types and regions, erosion and conservation; Vegetation – types and distribution. Land utilization in Rajasthan : Agriculture-types and characteristics, production and distribution of food and commercial crops; Cropping pattern and Agro-climatic zones; Importance and sources of irrigation; Major irrigation projects-Chambal, Mahi and Indira Gandhi Canal Project (I.G.C.P.) Live Stock products and Dairy Development programmes; Biodiversity and Wildlife; Waste-land and desert development programmes.

Unit-II

Distribution and production of minerals – Metallic and Non-metallic; Power Resources – Coal, Petroleum and Natural gas; Power Resources as electricity-hydro based and non-conventional; Industrial Development : Classification of Industries; Development, distribution, production and locational analysis of cotton textile. Cement and stone industries; Cultural heritage and Tourism industry. Population : Distribution and density; Population structure- age and sex ratio, urban and rural, literacy and occupational population; Population growth since independence, causes problems and solutions, Social and Cultural status of major tribes-Bhil, Garassia, Meena, Saharia.

Unit-III

Means of transportation – roads, railway network and highways. Detailed study of Marusthal, Aravalli, Hadoti and Eastern Plain regions with following heads : Physical environment, social and cultural environment and economic development. Concept of Human Development – Major indicators. H.D.I. (Human Development Index) of Rajasthan in reference to other states of India. Status of Women in Rajasthan – changing aspects of demographic, social, economic, health and nutrition.

Suggested Books :

1. चौहान वी.एस. राजस्थान का भूगोल, विज्ञान प्रकाशन, जोधपुर।
2. भल्ला एल.आर., राजस्थान का भूगोल, कुलदीप प्रकाशन, अजमेर।
3. एच.एम. सक्सेना, राजस्थान का भूगोल, राजस्थान हिन्दी ग्रन्थ अकादमी जयपुर।
4. दिनेश चन्द शर्मा व पुष्पा शर्मा, राजस्थान आज तक।
5. एच.एस.शर्मा राजस्थान का भूगोल, पंचशील प्रकाशन, जयपुर।
6. Mishra, V.C.: Geography of Rajasthan, N.B.T.Delhi.
7. Sharma, H.S. & Sharma, M.L. : Geographical Fncts of Rajasthan.

PAPER-IV : ECONOMIC AND RESOURCE GEOGRAPHY

3hr. duration

Max.Marks : 80

Note :-

1. Each theory paper is divided into three independent units. The question paper is divided into three parts, Part –A, Part-B and Part-C
2. Part-A (15 marks) is compulsory and contains 10 questions (20 words), at least three questions from each unit, each question of 1.5 marks.
3. Part-B (20 marks) is compulsory and contains five questions, at least one from each unit. Candidate is required to attempt all five questions. Each question is of 4 marks (50 words).
4. Part-C-(45 marks) contains six questions. Two from each unit. Candidate. Is required to attempt three questions one from each unit. Each question is of 15 marks (400 words)

Course Contents :**Unit-I**

Meaning and scope of Economic Geography, concepts, geographical factors affecting economic activities, economic activities of man- primary, secondary and tertiary, types of agriculture and agricultural regions of world whittlesey production and distribution of important crops- Rice, Wheat, Maize, Cotton, Sugarcane, Tea, Coffee.

Unit-II

Important minerals and their world distribution – Iron ore, Copper, Aluminium, Uranium, Coal, Petroleum, Major manufacturing industries and their localization – Iron and steel and Textile Industrial regions of the world, world trade and transport. WTO and Globalization, its effect on developing countries.

Unit-III

Definition and classification of resources, resource evaluation, Natural resources – Forest, Water and soil their distribution, exploitation and conservation biodiversity, marine resources – biotic resources and sustainable development, resource regions of the world.

Suggested Books :

1. Alexander, J.W. : "Economic Geography" Prentice Hall.
2. Jones and Darkenwald. "Economic Geography" Macmillan.
3. Miller E, : "Geography of Manufacturing" Prentice Hall.
4. सिंह के.एन. : "आर्थिक भूगोल के मूल तत्त्व" वसुधरा प्रकाशन, गोरखपुर।
5. जैन पी : "आर्थिक भूगोल" रस्तोगी प्रकाशन, मेरठ।
6. नामोरिया सी.बी. : "आर्थिक भूगोल" साहित्य भवन पब्लिकेशंस, आगरा।
7. नेगी वी.एस. : संसाधन भूगोल।

GEOGRAPHY (HONS) PRACTICAL

Duration : 8 hrs. Min. Pass Marks – 32 Max Marks : 80

Distribution of Marks for the purpose of Examination

1. Written paper (Lab work) (4 hour) (5 Prob. out of 6)	30 Marks
2. Record work and viva-voce (15+5) (1 hour)	20 Marks
3. Field Survey and viva-voce (10+5) (2 hour)	15 Marks
4. Camp report and viva-voce (10+5) (1 hour)	15 Marks
With PPT	Total 80 Marks

Note : Minimum 30 sheets must be prepared by students and checked & signed by teacher with date, otherwise students will be responsible. Students must write his/her name on every sheet. The teacher should give fresh exercise every year so that the students may not undertake tracing of old exercise.

Course Contents :

1. The nature and scope of cartography, Scales – Plain, Diagonal and comparative – different units, time scale and Revolution Scale.
2. Enlargement, reduction and combination of maps – square method, Similar Triangle and Pantograph. Measurements of distance and computation of Area on maps.
3. Methods of representation of relief-Hachures, hill Shading, Layer

- tint, Contours etc. Relief features, types of slopes, valleys, waterfall, Gorge, meanders, delta, plateau, conical hill, Ridge, Saddle & Pass to be drawn, with the help of contours shown in topographical sheets of different physiographic regions, profile drawing.
4. Study of Topographical sheets – Scheme of Indian topo-sheets. Interpretation of a hilly and a plain area of India in respects of relief, drainage, Human settlement, Transport & Communication Pattern.
5. Climatic maps and diagrams – isopleths Maps (Isobar, Isotherms and Isohyets maps,) Simple and compound wind rose, climograph, hythergraph and climatograph, study & interpretation of weather maps of January & July months.
6. Prismatic Compass Survey – Importance, Appliances, Methods : Radiation, Intersection, Traverse (closed and open traverse) correction of bearings and removal of closing error- Bowditch, graphical and mathematical method, Calculation of WCB, R.B. and calculation of included angles (CIA)
7. Six days socio-economic survey camp of any village/town within Rajasthan state. Report should be prepared by each student separately and should be submitted in the form of hardcopy or PPT.

Books Recommended

1. Singh R.L. : Elements of Practical Geography, Kalyani Publishers, New Delhi.
2. Monk House, F.J. and Wilkinson, H.R. : Map and Diagrams, Methuen London 1994.
3. Robinson, A.H. : Elements of Cartography, John Willey & Sons, New York.
4. Mishra, RP : Fundamental of Cartography, Macmillan, New Delhi.
5. Kellaway, Georgep : Map Projections, Mathuen & Co., London.
6. Steers, J.K. : Map Projections, University of London Press, London.
7. जे.पी. शर्मा : प्रायोगिक भूगोल, रस्तोगी प्रकाशन, मेरठ।
8. एस.एम. जैन : प्रायोगिक भूगोल, साहित्य भवन, आगरा।

5. ECONOMICS (Hons.)

Scheme

There shall be four papers and the maximum marks for each paper together with minimum marks required for a pass are shown against each paper separately.

Four Papers		Min. Pass Marks 160	Max. Marks 400
Paper I	3 hrs. Duration	40	100 marks
Paper II	3 hrs. Duration	40	100 marks
Paper III	3 hrs. Duration	40	100 marks
Paper IV	3 hrs. Duration	40	100 marks

Note : In examination each paper will contain three parts A, B and C.

Part A. Marks - 20

All questions are compulsory. The answer of each question should not exceed 20 words. All questions carry equal marks.

Part B Marks - 20

All questions are compulsory. The answer of each question should not exceed 50 words. All questions carry equal marks.

Part C Marks - 60

The candidate should attempt 3 questions selecting one question from each unit. The answer should not exceed 400 words. All questions carry equal marks.

Paper-I MICRO ECONOMICS

3 hrs. duration

Max. Marks 100

Note : In examination each paper will contain three parts A, B and C.

Part A. Marks - 20

All questions are compulsory. The answer of each question should not exceed 20 words. All questions carry equal marks.

Part B Marks - 20

All questions are compulsory. The answer of each question should not exceed 50 words. All questions carry equal marks.

Part C Marks - 60

The candidate should attempt 3 questions selecting one question from each unit. The answer should not exceed 400 words. All questions carry equal marks.

Unit I

Introduction

Nature and scope of economics; Methodology in economics; Choice as an economic problem; basic postulates; Role of price mechanism; Demand and supply; Basic framework-applications; Market equilibrium.

Consumer's Behaviour

Utility - Cardinal and ordinal approaches; Indifference curve; Consumer's

equilibrium (Hicks and Slutsky) Giffen goods; Elasticity of demand-Price, income and cross; Consumer's surplus, Engle curve.

Theory of Production and Costs

Production decisions; Production function; Iso-quant, Factor substitution; law of variable proportions, returns to scale; economies of scale; Different concepts of cost and their interrelation, Equilibrium of the firm; Expansion path.

Unit II

Market Structure

Market forms - Perfect and imperfect markets: Price & Output determination in Perfect competition, monopoly, Monopolistic Competition, Duopoly, Oligopoly (Paul's M Sweezy Model) Price discrimination under monopoly, Measure of monopoly power.

Factor Pricing

Marginal productivity theory of distribution; Modern Theory of Factor Price Determination with the help of MPP, VMP and MRP (With the help of Tables). Theories of wage determination; Wages and collective bargaining; Wage differentials; Rent - Scarcity rent; Differential rent; Quasi rent; interest - Classical and Keynesian theories. Profits - Innovation, risk and uncertainty theories.

Unit III

Investment Analysis

Payback period - average annual rate of return, Net present value, Internal rate of return criteria price changes, risk and uncertainty, elements of social cost-benefit analysis.

Welfare Economics

Problems in measuring welfare; Classical welfare economics: Pareto criteria (Production, Consumption and Distribution); Concept of a social welfare function; Compensation principle - Kaldor, Hicks.

BASIC READING LIST

- Bach, G.L. (1977). Economics, Prentice Hall of India, New Delhi.
- Gauld, J.P. and Edward P.L. (1996). Microeconomic Theory, Richard Irwin, Homewood.
- Henderson J. and R.E. Quandt (1980). Microeconomic Theory - A mathematical Approach, McGraw-Hill, New Delhi.
- Heathfield and Wibe (1987). An Introduction to Cost and Production Functions, Macmillan, London.
- Koutsoyiannis, A. (1990). Modern Microeconomics, Macmillan.
- Lipsey, R.G. and K.a. Chrystal (1999). Principles of Economics (9th Edition), Oxford University Press, Oxford.
- Mansfield, E. (1997). Microeconomics (9th Edition), W.W. Norton and Company, New York.
- Ray, N.C. (1975). An Introduction to Microeconomics, Macmillan Company of India Ltd., Delhi.
- Ryan, W.J.L. (1962). Price Theory, Macmillan and CO. Limited, London.

- Samuelson, P.A. and W.D. Nordhaus (1996), Economics, Tata McGraw Hill, New Delhi.
- Stonier, A.W. and D.C. Hague (1972). A Textbook of Economic Theory, ELBS & Longman Group, London.
- Varian, H.R. (2000), Intermediate Microeconomics : A Modern Approach (5th Edition), East-West Press, New Delhi.

5. ECONOMICS (Hons.)

Scheme

There shall be four papers and the maximum marks for each paper together with minimum marks required for a pass are shown against each paper separately.

Four Papers		Min. Pass Marks 160	Max. Marks 400
Paper I	3 hrs. Duration	40	100 marks
Paper II	3 hrs. Duration	40	100 marks
Paper III	3 hrs. Duration	40	100 marks
Paper IV	3 hrs. Duration	40	100 marks

Paper-II - Indian Economic Thought

Duration : 3 Hours

Max. Marks : 100

Note : In examination each paper will contain three parts A, B and C.

Part A Marks - 20

All questions are compulsory. The answer of each question should not exceed 20 words. All questions carry equal marks.

Part B Marks - 20

All questions are compulsory. The answer of each question should not exceed 50 words. All questions carry equal marks.

Part C Marks - 60

The candidate should attempt 3 questions selecting one question from each unit. The answer should not exceed 400 words. All questions carry equal marks.

Unit I

Prominent ancient Indian economic thinkers and major source books (Only names and brief knowledge). Definition & scope of economics according to Kautilya and Shukra. Basic Assumptions - integral man, integrated rationality, dharma based economic structure and four purusharthas. Human wants - nature origin and kinds. The concept of restrained consumption & co-consumption. Meaning and importance of wealth & code of conduct for earning and spending. Economic ideas of Manu, Shukra and Kautilya in the field of consumption, production, exchange, distribution and public finance.

Unit II

Economic thoughts of Swami Dayanand Saraswati, Dada Bhai Narauji, Mahadev Govind Ranade, Gopal Krishna Gokhale, R.C. Dutta and M.N. Roy.

Unit III

Major Economic thoughts of M.K. Gandhi, Vinoba Bhave, Dr. B.R. Ambedkar, J.L. Nehru, Ram Manohar Lohiya, Deen Dayal Upadhyaya, J.K. Mehta and Amratya Sen.

Book Recommended :

- Gupta, B.L. (1942) : Value and Distribution System in Ancient India, Gian Publishing House, New Delhi.
- Ganguli B.N. (1977) : Indian Economic Thought a 19th Century Perspective, Tata McGraw Hill New Delhi.
- Kautilya (1951) : Arthshashtra translated by R. Sharma shastry.
- Kulkarni S.A. (1987) : Eknana Arthniti Suruchi Prakashan, New Delhi.
- M.G. Bokare : Hindu Economics, Janki Prakashan New Delhi.
- Ramesh Dutt : Economic History of India, Vol. I & II.
- D.R. Gadgil : The Industrial Evolution of India in Recent Times 1860-1930 (1971)
- M.C. Vaish : Aarthik Vicharo Ka Itihas
- Gandhi M.K (1974) , India of my dreams, Navjivan Publishing House, Ahmedabad.

- Sen, A.K. (1987), On Ethics and Economics, Oxford, New York
 Sen, A.K. (1981), Poverty and Famines: an essay on entitlement and deprivation, oxford university press.
 Sen A.K. (1971), Collective Choice and social welfare, North Holland, Amsterdam.

5. ECONOMICS (Hons.)

Scheme

There shall be four papers and the maximum marks for each paper together with minimum marks required for a pass are shown against each paper separately.

Four Papers		Min. Pass Marks 160	Max. Marks 400
Paper I	3 hrs. Duration	40	100 marks
Paper II	3 hrs. Duration	40	100 marks
Paper III	3 hrs. Duration	40	100 marks
Paper IV	3 hrs. Duration	40	100 marks

Paper III - INDIAN ECONOMY

Duration : 3 Hours

Max. Marks : 100

Note : In examination each paper will contain three parts A, B and C.

Part A

Marks - 20

All questions are compulsory. The answer of each question should not exceed 20 words. All questions carry equal marks.

Part B

Marks - 20

All questions are compulsory. The answer of each question should not exceed 50 words. All questions carry equal marks.

Part C

Marks - 60

The candidate should attempt 3 questions selecting one question from each unit. The answer should not exceed 400 words. All questions carry equal marks.

Unit I

Pre-British Period

Indian economy in the Pre-British Period - Structure and organization of villages, towns, industries and handicrafts.

Economic Consequences of the British Rule

General overall impact; Colonial exploitation - forms and consequences; Case for protection of Indian industries; The theory of drains - its pros and cons.

Structure of the Indian Economy

Basic features; Natural resources - Land, water and forest resources; Broad demographic features - Population size and growth rates, sex composition, rural-urban migration, occupational distribution; Problem of over-population; Population policy, Infrastructure development; national Income.

Unit II

Agriculture

Nature and importance; Trends in agricultural production and productivity; Factors determining productivity; Land Reforms; New agricultural strategy and green revolution; Rural credit, Agricultural marketing Agriculture and WTO. India's Food Policy.

Industry

Industrial development during the planning period: Industrial policy of 1991; Industrial licensing policy - MRTP Act, FERA and FEMA; Growth and problems of small scale industries; Role of public sector enterprises in India's industrialization - recent policy towards public sector. Labour Sector Reforms.

Planning in India

Objectives; Strategy; Broad achievements and failures; Current Five Year Plan - Objectives, allocation and targets; New economic reforms - Liberalization, privatization and globalization; Rationale behind economic reforms; Progress of privatization and globalization. Problems of subsidy in India.

Unit III

External Sector

Role of foreign trade; Trends in exports and imports; Composition and direction of India's foreign trade; Balance of payments crisis and the New economic reforms - Export promotion measures and the new trade policies. Foreign capital - FDI, aid; Multinational corporations (MNCs) and their impact on Indian Economy. The relevance of SWADESHI.

Important Areas of Concern

Poverty and inequality; Unemployment, Rising prices; Industrial relations.

Economy of Rajasthan

Position of Rajasthan in Indian Economy: Population, Area, Agriculture, Industry and Infrastructure. 2001 Census and its Features. Human Development Index. Problem of poverty and unemployment in Rajasthan. Poverty alleviation programmes of Govt. of Rajasthan.

Trends in Agriculture production and Agriculture productivity. Importance of

livestock and dairy development programme. Major irrigation and power projects. Industrial development during plans. Small scale and cottage industries. Tourism development in Rajasthan. Special area programmes of Govt. of Rajasthan. Constraints of economic development in Rajasthan

BASIC READING LIST

- Datt, R. and K.P.M. Sundharam (2001), Indian Economy, S. Chand & Company Ltd., New Delhi.
- Kedia, Kusum & Sinha, Root of Under development- a peep into Indian Colonial Post, Tara Printing works, Varanasi.
- Dhingra, I.C. (2001), The Indian Economy : Environment and Policy, Sultan Chand & Sons, New Delhi.
- Dutt, R.C. (1950), The Economic History of India Under Early British Rule, Low Price Publications, Delhi.
- Kumar, D. (Ed.) (1982), The Cambridge Economic History of India, Volume II, 1757- 1970, Orient Longman Ltd, Hyderabad.
- Misra, S.K. and V.K. Puri (2001), Indian Economy - Its Development Experience, Himalaya Publishing House, Mumbai.
- Directorate of Economics and Statistics, Government of Rajasthan, State Income of Rajasthan.
- Government of Rajasthan : Five Year Plan Documents.
- Government of Rajasthan : Budget Studies.
- Government of Rajasthan : Statistical Abstract of Rajasthan.
- Government of Rajasthan : Report of Desert development Commission.

ADDITIONAL READING LIST

- Gadgil, D.R. (1971), The Industrial Evolution in India in Recent Times, 1860-1939, Oxford University Press, Bombay.
- Government of India, Economic Survey (Annual), Economic Division, Ministry of Finance, New Delhi.
- Naoroji, D. (1962), Poverty and Un-British Rule in India, Low Price Publications, Delhi.
- Planning Commission (1999), Ninth Five Year Plan, Government of India, New Delhi.
- Singh, V.B. (Ed.) (1965), Economic History of India, 1857-1956, Allied Publishers Private Limited, Bombay.
- Ahluwalia, I.J. and I.M.D. Little (Eds.) (1999), India's Economic Reforms and Development (Essays in honour of Manmohan Singh), Oxford University Press, New Delhi.
- Jalan, B. (1992), The Indian Economy : Problems and Prospects, Viking, New Delhi.
- Jalan, B. (1996), India's Economic Policy - Preparing for the Twenty-first Century, Viking, New Delhi.
- Parikh, K.S. (1999), India Development Report - 1999-2000, Oxford University Press, New Delhi.
- Datt, R. (Ed.) (2001), Second Generation Economic Reforms in India, Deep & Deep Publications, New Delhi.

5. ECONOMICS (Hons.)**Scheme**

There shall be four papers and the maximum marks for each paper together with minimum marks required for a pass are shown against each paper separately.

Four Papers		Min. Pass	Max.
		Marks 160	Marks 400
Paper I	3 hrs. Duration	40	100 marks
Paper II	3 hrs. Duration	40	100 marks
Paper III	3 hrs. Duration	40	100 marks
Paper IV	3 hrs. Duration	40	100 marks

Paper-IV**QUANTITATIVE TECHNIQUES**

Duration : 3 Hours

Max. Marks : 100

Note : In examination each paper will contain three parts A, B and C.

Part A

Marks - 20

All questions are compulsory. The answer of each question should not exceed 20 words. All questions carry equal marks.

Part B

Marks - 20

All questions are compulsory. The answer of each question should not exceed 50 words. All questions carry equal marks.

Part C

Marks - 60

The candidate should attempt 3 questions selecting one question from each unit. The answer should not exceed 400 words. All questions carry equal marks.

Unit I**Basic Concepts**

Variables, Sets, Functions, Equations, Identities, Systems of equations. Application of straight-line system, Slope of the line, Homogeneous function.

Calculus

Differentiation of a Function; Maxima and Minima, Elasticities; Equilibrium of a firm and consumer; Inter-relationships among total, marginal and average cost and revenues; Constrained optimisation problem; Integration of a function, consumer's and producer's surplus.

Matrix and Determinants

Various types of matrices, Determinants, Inverse of a matrix, Cramer's rule, Input-output analysis; Simple static model, Linkages, Concept of linear programming - Graphic Method.

Introduction to Statistics

Basic concepts; Population, Sample, Parameter, Frequency Distribution, Cumulative frequency; Graphic and diagrammatic representation of data, Techniques of data collection; Sampling vs. Population, primary and secondary data.

Unit II

Central Tendency and Dispersion

Measures of central tendency: Mean, Median, Mode, Geometric mean and Harmonic mean. Measures of dispersion: Range, Mean Deviation, Standard deviation, Coefficient of variation, Quartile deviation, Skewness and Kurtosis. Concept of rate of growth.

Correlation and Regression

Correlation: Simple. Coefficient of Correlation - Karl Pearson and Rank Correlation. Partial and Multiple correlation Analysis. Regression analysis - Estimation of regression line in a bivariate distribution - Least squares method. Interpretation of regression coefficients. Interpolation (Newton's and Binomial Method)

Unit III

Time Series and Index Numbers

Time series analysis - Concept and components - Determination of regular, trend and seasonal indices: Index numbers - Concept, price relative, quantity relative, value relative: Laspeyres, Paasche's and Fisher, Family budget method; Problems in the construction and limitations of index numbers, Tests for ideal index number. Association of Attributes and chi-square test.

Probability and Distribution

Probability : Concept, Rules of Probability (Addition and Multiplication): Random variables. Mathematical expectations. Theoretical distribution - Binomial, Poisson and Normal : their properties and uses.

Indian Statistics

Current population census 2001. Statistical system in India. Agriculture, Industrial and Trade Statistics in India.

BASIC READING LIST

- Allen, R.G.C (1974). Mathematical Analysis for Economists, Macmillan Press, London
- Black, J. and J.F. Bradley (1973). Essential Mathematics for Economists, John Wiley and Sons.
- Chiang, A.C. (1986). Fundamental Methods of Mathematical Economics (3rd Edition). McGraw Hill, New Delhi.
- Croxson, F.E., D.J. Cowden and S. Klein (1973), Applied General Statistics, Prentice Hall, New Delhi.
- Gupta, S.C. and V.K. Kapoor (1993). Fundamentals of Applied Statistics, S. Chand and Sons, New Delhi.
- Speigal, M.R. (1992). Theory and Problems of Statistics. McGraw Hill Book, London