



**MAHARSHI DAYANAND SARASWATI UNIVERSITY
AJMER**

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MAHARSHI DAYANAND SARASWATI UNIVERSITY, AJMER

पाठ्यक्रम

**SCHEME OF EXAMINATION AND
COURSES OF STUDY**

FACULTY OF ARTS & SOCIAL SCIENCE

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

बी.ए. (ऑनर्स) पार्ट - II परीक्षा

(w.e.f. 2018-19)

(10+2+3 Pattern)

**संस्करण
2018**

**मूल्य :
20/-**

**महर्षि दयानन्द सरस्वती विश्वविद्यालय,
अजमेर**

MAHARSHI DAYANAND SARASWATI UNIVERSITY,
AJMER

पाठ्यक्रम

SYLLABUS

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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.**

सूचना

1. समय-समय पर संशोधन या पुनः निर्माण कर परिनियमों/अध्यादेशों/नियमों / विनियमों / पाठ्यक्रमों व पुस्तकों में परिवर्तन किया जा सकता है, तथा किसी भी परिवर्तन को 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।

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for Maharshi Dayanand Saraswati University, Ajmer

M.D.S.U. Syllabus / B.A. Hons. Pt. - II / 3

B.A. Honours Part - II Examination

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(The scheme of examination, the course of study and text

books for the subsidiary subjects of Hons. Part II

Examination shall be the same as prescribed for the optional subjects of B.A. Part-II Examination)

Honours Subjects :

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3. Economics (Hons.)	12
4. Geography (Hons.)	18
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**CORE MODULE SYLLABUS FOR ENVIRONMENTAL STUDIES
FOR UNDERGRADUATE COURSES OF ALL BRANCHES
OF HIGHER EDUCATION**

Unit 1: The Multidisciplinary nature of environmental studies

Definition, scope and importance
Need for public awareness.

Unit 2: Natural Resources:

Renewable and non-renewable resources:

- Natural resources and associated problems.
 - a) Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people.
 - b) Water resources: Use and over-utilization of surface and groundwater, floods, drought, conflicts over water, dams-benefits and problems.
 - c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.
 - d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.
 - e) Energy resources: Growing energy needs, renewable and nonrenewable energy sources, use of alternate energy sources. Case studies.
 - f) Land resources: Land as a resource, Land degradation, man induced Landslides, soil erosion and desertification.
- Role of an individual in conservation of natural resources.
- Equitable use of resources for sustainable lifestyles.

Unit 3: Ecosystems

- 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, characteristic features, structure and function of the following ecosystem:
 - a. Forest ecosystem
 - b. Grassland ecosystem
 - c. Desert ecosystem
 - d. Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

Unit 4: Biodiversity and its conservation

- Introduction – Definition: genetic, species and ecosystem diversity.
- Biogeographical classification of India
- Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values
- Biodiversity at global, National and local levels.
- India as a mega-diversity nation
- Hot-spots of biodiversity.
- Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts

- Endangered and endemic species of India
- Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

Unit 5: Environmental Pollution

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 and the Environment

- 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 solutions.
- Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies.
- Wasteland reclamation.
- Consumerism and waste products.
- Environmental Protection Act.
- Air (Prevention and Control of Pollution) Act.
- Water (Prevention and Control of Pollution) Act.
- Wildlife Protection Act.
- Forest Conservation 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.

Unit 8: Field Work

- Visit to a local area to document environmental assets- river / forest / grasslands / hill/ mountain.
- Visit to local polluted site- Urban/Rural / Industrial /Agricultural.
- Study of common plants, insects, birds.
- Study of simple ecosystems- pond, river, hill slope, etc.

स्नातक अनिवार्य विषय : पर्यावरण विज्ञान

इकाई प्रथम

पर्यावरण अध्ययन की बहुआयामी प्रकृति, परिभाषा एवं महत्व जन जागृति की आवश्यकता
इकाई द्वितीय : प्राकृतिक संसाधन
नवीनीकरण एवं अनवीनीकरण संसाधन : प्राकृतिक संसाधन एवं उससे संबंधित समस्याएं

1. वन संसाधन : उपयोग एवं अतिशोषण, वनोन्मूलन केस अध्ययन, टिम्बर निष्कर्षण, खनन एवं उनके वनों एवं जनजातियों पर प्रभाव
2. जलसंसाधन : सतही एवं भूजल का उपयोग एवं अतिउपभोग, बाढ़, सूखा, जल विवाद, बांधों की समस्याएं एवं लाभ
3. खनिज संसाधन : उपयोग एवं अतिशोषण, खनिज संसाधन के उपयोग एवं निष्कर्षण के पर्यावरणीय प्रभाव, केस अध्ययन
4. खाद्य संसाधन : विश्व खाद्य समस्याएं कृषि एवं अतिचारण के कारण होने वाले परिवर्तन, आधुनिक कृषि के प्रभाव, उर्वरक एवं पीड़कनाशक जनित समस्याएं, जलाक्रान्ति, लवणीयता, केस अध्ययन।
5. ऊर्जा संसाधन : बढ़ती हुई ऊर्जा आवश्यकताएं, नवीनीकरण एवं अनवीनीकरण ऊर्जा संसाधन, ऊर्जा संसाधनों का वैकल्पिक उपयोग केस अध्ययन।
6. भूरासाधन : भूमि एक संसाधन, भूअपघटन, मानवजनित भूस्खलन मृदा अपरदन एवं मरुस्थलीकरण, प्राकृतिक संसाधनों के संरक्षण में व्यक्तिक भूमिका सतत् जीवनचर्या के लिए संसाधनों का उपयुक्त उपयोग।

इकाई तृतीय : पारिस्थितिकी तंत्र

- पारिस्थितिकी तंत्र की अवधारणा
- पारिस्थितिकी तंत्र की संरचना एवं कार्यप्रणाली
- उत्पादक, उपभोक्ता, अपघटक
- पारिस्थितिकी तंत्र में ऊर्जा प्रवाह
- पारिस्थितिकी अनुक्रमण
- खाद्य शृंखला, खाद्यजाल एवं पारिस्थितिकी स्तूप
- परिचय, प्रकार, विशेषताएं, गुण, संरचना एवं कार्यप्रणाली
- अ) वन पारिस्थितिकी तंत्र
- ब) घास के मैदान पारिस्थितिकी तंत्र
- स. मरुस्थल पारिस्थितिकी तंत्र
- द. जलीय पारिस्थितिकी तंत्र (तालाब, धारा, झील, नदियां, समुद्र)

इकाई चतुर्थ : जैव विविधता एवं संरक्षण

- परिचय - परिभाषा : जीनीय, प्रजातीय एवं पारिस्थितिकी विविधता
- भारत का जैवभौगोलिक वर्गीकरण
- जैवविविधता का महत्व, उपभोगीय उपयोगिता, उत्पादकीय उपयोगिता, सामाजिक, वैज्ञानिक, शैक्षिक एवं वैकल्पिक मूल्य
- वैश्विक, राष्ट्रीय एवं स्थानिक स्तर पर जैव विविधता
- भारत : एक विविधता राष्ट्र
- जैवविविधता के संरक्षण
- जैवविविधता के स्वतंत्र : जलवायु, वन्यप्राणियों का शिकार, मानव-वन्यप्राणियों के बीच विरोधाभास

- भारत की विलुप्तप्राय एवं स्थानिक प्रजातियां
- जैव विविधता का संरक्षण : स्व स्थानीय एवं पूर्व स्थानी संरक्षण
इकाई पंचम : पर्यावरणीय प्रदूषण
- परिभाषा, कारण, प्रभाव एवं नियंत्रण उपाय
- a) वायु प्रदूषण b) जल प्रदूषण c) मृदा प्रदूषण
- d) समुद्री प्रदूषण e) ध्वनि प्रदूषण f) तापीय प्रदूषण
- g) नाभीकीय खतरे
- ठोस अपशिष्ट प्रबंधन : शहरी एवं औद्योगिक अपशिष्ट के कारण प्रभाव एवं नियंत्रण उपाय
- प्रदूषण निवारण में व्यक्तिगत भूमिका
- प्रदूषण केस अध्ययन
- आपदा प्रबंधन : बाढ़, भूकम्प, चक्रवात एवं भूस्खलन
इकाई षष्ठम : सामाजिक मुद्दे एवं पर्यावरण
- असतत् से सतत् विकास
- उर्जा से संबंधित शहरी समस्याएं
- जल संरक्षण, वर्ष जल संचयन, जल प्रवाह प्रबंधन
- लोगों का पुनर्वास एवं पुनः नियोजन
- समस्याएं एवं चिन्ताएं केस अध्ययन
- पर्यावरण नीति, मुद्दे एवं संभव समाधान
- जलवायु परिवर्तन, वैश्विक तापवृद्धि, अम्लवर्षा, ओजोनपरत क्षरण
- परमाणु दुर्घटनाएं एवं पूर्णाहुति, केस अध्ययन
- बंजर भूमि उद्धार
- उपभोक्तावाद एवं अपशिष्ट उत्पाद
- पर्यावरण निवारण नियम
- वायु निवारण (निवारण एवं नियंत्रण) प्रदूषण नियम
- जल (निवारण एवं नियंत्रण) प्रदूषण नियम
- वन्य जीव संरक्षण नियम
- वन संरक्षण नियम
- पर्यावरण कानूनों के प्रवर्तन में शामिल मृद्दे
- जन जागरूकता

इकाई सप्तम : मानव जनसंख्या एवं पर्यावरण

- जनसंख्या वृद्धि, राष्ट्रों के बीच भिन्नता
- जनसंख्या विस्फोट, परिवार कल्याण योजना
- पर्यावरण एवं मानव स्वास्थ्य - मानव अधिकार
- मौलिक शिक्षा
- एच.आई.वी./एड्स
- महिला एवं शिशु कल्याण
- पर्यावरण एवं मानव स्वास्थ्य में सूचना एवं प्रौद्योगिकी की भूमिका
- केस अध्ययन (घटनात्मक/उदाहरणात्मक अध्ययन)
- इकाई अष्टम : स्थानीय क्षेत्रों की यात्रा
- पर्यावरण दस्तावेजों के लिये नदी/वन/घास के मैदान, पहाड़ी, पहाड़
- स्थानीय दूषित क्षेत्रों की यात्रा - शहरी/ग्रामीण/औद्योगिक/ कृषि
- स्थानीय पेड़ों, कीड़ों एवं पक्षियों का अध्ययन
- शहरी पारिस्थितिकी तंत्र का अध्ययन - तालाब, नदी, पहाड़ी तलहटी

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 candidates 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. II examination shall be the same as prescribed for the Optical subject of the B.A. II 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 Practicals (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
Honours Subjects :					
1.	English Literature (Hons.)	Paper-I	3 hrs.	100	160
		Paper-II	3 hrs.	100	
		Paper-III	3 hrs.	100	
		Paper-IV	3 hrs.	100	
2.	Political Science (Hons.)	Paper-I	3 hrs.	100	160
		Paper-II	3 hrs.	100	
		Paper-III	3 hrs.	100	
		Paper-IV	3 hrs.	100	
3.	Economics (Hons.)	Paper-I	3 hrs.	100	160
		Paper-II	3 hrs.	100	
		Paper-III	3 hrs.	100	
		Paper-IV	3 hrs.	100	
4.	Geography (Hons.)	Paper-I	3 hrs.	80	128
		Paper-II	3 hrs.	80	
		Paper-III	3 hrs.	80	
		Paper-IV	3 hrs.	80	
		Practical	8 hrs.	80	
5.	History (Hons.)	Paper-I	3 hrs.	100	160
		Paper-II	3 hrs.	100	
		Paper-III	3 hrs.	100	
		Paper-IV	3 hrs.	100	

B.A. HONS. PART-II

1. ENGLISH LITERATURE (Hons.)

Scheme	Duration	Max. Marks	Min. Pass Marks
Four Papers			
Paper-I	3 hrs.	100	160
Paper-II	3 hrs.	100	
Paper-III	3 hrs.	100	
Paper-IV	3 hrs.	100	

Paper-V : Shakespeare and His Contemporaries

Time : 3 hrs.

Max. Marks: 100

Note: Candidates will be required to answer five questions in all, one from each unit. All questions will carry equal marks. However, there will be internal choice as part of unitization scheme.

Unit-I	20
Four passages - explanation with reference to the context from starred authors/texts.	
Unit-II	20

* Shakespeare : Hamlet

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* Shakespeare	: Twelfth Night	Unit-III	20
* Marlowe	: Edward II	Unit-IV	20
Webster	: The Duchess of Malfi		
* Metaphysical Poetry	:	Unit-V	20
	The following poets from A Book of English Poetry, ed. Harrison (Penguin) Donne, Hebert, Marvell, Vaughan.		

* Authors/texts for detailed study.

PAPER-VI: AMERICAN LITERATURE

Time: 3 hrs.

Max. Marks: 100

Note: Candidates will be required to answer five questions in all, one from each unit, All questions will carry equal marks. However, there will be internal choice as part of unitization scheme.

		Unit-I	20
Four passages for explanation with reference to the context from starred authors/texts.			

		Unit-II	20
* Walt Whitman	: When Lilacs Last in the Dooryard Bloomed		
N. Hawthorne	: Young Goodman Brown		
		Unit-III	20
O. Neill	: The Hairy Ape		
* Robert Frost	: Mowing		

		Unit-IV	20
	The Road not Taken Provide, Provide Tree at my Window		
* Emily Dickinson	: The Morns are Meeker than they were, I Taste a Liquor Never Brewed, Hope is a Thing with Feathers I like to See it Lap the Miles, Because I could not Stop for Death.		
T. Williams	: The Glass Menagerie		

		Unit-V	20
* Authors for detailed study			
E.E. Cummings	: 'Introduction to New Poems', My Sweet Old etc, You shall Above all things be Glad and Young, Pity this Busy Monster, Mankind What if a Much of a Which of a Wind.		
S. Fitzgerald	: The Great Gatsby.		

Paper-VII: INDIAN LITERATURE IN ENGLISH

Time: 3 hrs.

Max. Marks: 100

Note: Candidates will be required to answer five questions in all, one from each Unit. All questions will carry equal marks. However, there will be internal choice as part of unitization scheme.

		Unit-I	20
Four passages for explanation with reference to the context from starred authors/texts.			

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		Unit-II	20
* Michael Madhusudan Dutt	: Satan, The Queen of Delhi's Dream		
* Rabindra Nath Tagore	: Heaven of Freedom, The Child, Post Office		
* Jawaharlal Nehru	: Discovery of India-Ch. III, Sections I-VI	Unit-III	20
* Sarojini Naidu	: Carprice, The Son's Prayer, Song of Radha		
* Kamla Das	: The Dance of the Eunuchs, In Love, An Introduction.		
Kamala Markandaya	: Nectar in a Sieve	Unit-IV	20
* Nissim Ezekiel	: Marriage, Night of the Scorpion. The Quest		
* A.K. Ramanujan	: The Striders, Another view of Grace		
Manohar Malgaonkar	: Distant Drum	Unit-V	20
R.K. Narayan	: The English Teacher		
Mulk Raj Anand	: Untouchable		
Khushwant Singh	: Train to Pakistan		

* Authors for detailed study

Paper-VIII: EITHER (A) STUDY OF EPICS IN TRANSLATION

Time: 3 hrs.

Max. Marks: 100

Note: Candidates will be required to attempt five questions in all, at least one from each Unit. All questions will carry equal marks.

		Unit-I	
Homer	: The Illiad	Unit-II	
Homer	: The Odyssey	Unit-III	
Virgil	: The Aeneid		
Suggested Reading	:		
Paul Merchant	: Epic Theatre		
Gilbert Murry	: The Literature of Ancient Greece, Chicago, 1956		
Steiner and Fogies, eds.	: Homer, Twentieth-Century Views, Prentice Hall, 1962		
W.F. Jackson knight	: Homer, Faber, 1944		
C.M. Bowra	: Homer Duckworth, 1972		

Paper-VIII: OR (B) THE STUDY OF GREEK TRAGEDY.

Time 3 hrs.

Max. Marks. 100

Note: Candidates will be required to answer five questions in all, at least one each unit. All questions will carry equal marks. However, there will be internal choice as part of unitization scheme.

		Unit-I	
Aristotle	: Poetics	Unit-II	
Sophocles	: * Oedipus the King, Antigone	Unit-III	
Aeschylus	: * The Oresteian Trilogy	Unit-IV	
Euripides	: * The Bacchae		

* Authors/text & for detailed study.

Suggested Reading:

1. Humphrey House : Aristotle's Poetics
2. H.D. F. Kitto : Greek Tragedy (Methuen, 1939)
3. A.J.A Wedlock : Sophocles (Cambridge, 1966)
4. John Jones : Aristotle and Greek Tragedy (Methuen, 1935)
5. Haigh : Attic Theatre (O.U.P.)

2. POLITICAL SCIENCE (Hons.)

PAPER-V: HISTORY OF ANCIENT AND MEDIEVAL POLITICAL THOUGHT

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

Greek Political Thought : the Sophists, Socrates, Plato and Aristotle.
Roman Political Ideas and their concept of Law, the Roman contribution to Political thought with special reference to Cicero.

UNIT-II

The Growth of the Christian Church and Political ideas of early Christianity. St. Augustine. Beginning of Medieval Era: Chief features of its Growth of the Papal Power-Church State Controversy.

UNIT-III

St. Thomas Aquinas. Close of the Middle Ages and the Councilor Movement.

Selected Readings:

1. Foster, Jones & Master of Political Thought, Vol.-I, II and III. Lancaster
2. Gupta, M.G.: History of Political Thought Vols.-I & II.
3. Mishra, R.K.: Political Legacy of Plato and Aristotle.
4. Suda, J.P.: A History of Political Thought Part-I & II (Available in Hindi and English)
5. Verma, K.N.: Rajdarshan, Vol.-I & II (in Hindi)
6. डॉ. बी.एल. फड़िया : पाश्चात्य राजनीतिक चिन्तन का इतिहास
7. हरिदत्त वेदालंकार : पाश्चात्य राजनीतिक विचारों का इतिहास
8. पी.डी. शर्मा : पाश्चात्य राजनीतिक विचारों का इतिहास
9. डॉ. एस.सी. सिंघल : पाश्चात्य राजनीतिक चिन्तन

PAPER-VI: INDIAN POLITICAL SYSTEM

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

The Constituent Assembly and the Framing of the new Constitution of India. Preamble and Philosophy of the Constitution, Salient Features: Nature of the Federal Systems; Fundamental Rights and Duties and Directive Principles of States.

UNIT-II

Union – Executive, Parliament and Judiciary; Judicial Review
Union State Relationship; Emergency Provisions, Methods of Amendment: Office of the Governor.

UNIT-III

Nature and determinants of Indian Politics: Problems of Regionalism, Casteism, Communalism and Linguism. Electoral Politics and Party System: The Politics of Defections: Pressure Groups – Voting Behaviour: National Integration; Planning and Challenges of Indian Democracy.

Selected Readings:

1. Agarwal R.C.: Constitutional Development of India and National Movement (Eng. & Hindi)
2. Basu, D.D.: Introduction to the Constitution of India.
3. Bidyut Chakrabarty & Rajendra Kumar Pandey: Indian Government and Politics, Sage Publications, New Delhi, 2008.
4. Fedia, B.L.: Bhartiya Rajya Vyavastha.
5. Gupta D.C.: Indian Government and Politics
6. Johri, J.C.: Indian Government and Politics. (Hindi & English)
7. Narain, Iqbal: Rastriya Andolan Tatha Bhartiya Sanvidham.
8. Siwach, J.R.: Dynamics of Indian Government & Politics.
9. रूपा मंगलानी : भारतीय शासन एवं राजनीति
10. डॉ. एस.सी. सिंघल : भारतीय शासन एवं राजनीति
11. डॉ. ए.डी. अवस्थी : भारतीय राज व्यवस्था

PAPER-VII: PUBLIC ADMINISTRATION IN INDIA

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

Landmarks in the Development of Indian Administration with special reference to the Government of India Acts of 1919 and 1935.
Indian Constitution and the Administrative set up – Cabinet System, the President, the Prime Minister and the Council of Ministers. Cabinet Secretariat and Central Secretariat.

UNIT-II

Centre – State Relations; Legislative, Administrative and Financial. The Ministry of Home, Finance and Foreign Affairs in the Union Government of India. Machinery for Planning and Economic Development in India – National Development Council, Planning Commission, Public Enterprises in India; Organization and Management Patterns.

UNIT-III

Financial Administration in India – Budget formulation and execution; Public Accounts Committee: Comptroller and Auditor General of India. Problems of Indian Administration – Corruption and Removal of Public grievances, Problem of efficient management of Public Enterprises.

Selected Readings:

1. Avasthi, A. : Central Administration (Tata McGraw Hill, New Delhi)
2. Bhambheri, C.P. : Public Administration in India.
3. Chanda, Ashok : Indian Administration
4. Maheshwari, S.R. : Indian Administration (Longmans, New Delhi)
5. Saran, P. : Public Administration in India, (Meenakshi Prakashan, Meerut).
6. अवस्थी एवं अवस्थी : भारतीय प्रशासन
7. डॉ. एस.आर. माहेश्वरी : भारतीय प्रशासन : इसका विकास
8. अवस्थी एवं अवस्थी : भारत के लोक प्रशासन (Hindi & English)

PAPER-VIII: COMPARATIVE GOVERNMENT AND POLITICS

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**Comparative Theory:**

Meaning, Nature, Scope and Significance.
Evolution of Comparative Politics: Major Land marks, Comparative Method;
Types of Comparison – Vertical and Horizontal
Types of Constitution and Socio-Economic bases. Salient features of all five constitutions with the emphasis on, Parliamentary and Unitary government in U.K., Presidential and Federal government in USA, Direct (Participatory) Democracy in Switzerland, Parlia-Presidential government in France and People's Democracy in China.

UNIT-II**Structures of Government****Executive (Organization and functions):**

King, Council of Ministers and Prime Minister (UK)
President (USA, France & China), Federal Council (Switzerland)

Legislature (Organization and Functions):

Parliament (UK & France); Congress (USA), Federal Assembly (Switzerland), National People's Assembly (China)

Judiciary (Organization and Functions):

Judicial System (UK), Federal Judiciary (USA), Administrative Law and Administrative Courts (France), Federal Tribunal (Switzerland)

UNIT-III**Political Dynamics**

Party system in UK, USA, France, Switzerland and China, Pressure groups in UK & USA.

Selected Readings:

1. A.H. Brich : British System of Government 4th edn., London, George Allen and Unwin, 1980.
2. A. Lijphart (ed.) : Parliamentary Versus Presidential Government, Oxford and New York, Oxford University Press, 1992.

PAPER-VIII: COMPARATIVE GOVERNMENT AND POLITICS

3. Bombwal and Bhandari : Major Contemporary Constitutional Systems American Government & Politics
4. Charles A. Beard : American Government and Politics
5. Dorothy Pickles : The Fifth French Republic
6. G. Almond et. : Comparative Politics Today : A World View, 7th Edn. New York, London, Harper/ Collins, 2000.
7. H. Finer : Theory and Practice of Modern Government, London, Methuen, 1969.
8. J. Blondel : An Introduction to Comparative Government London, Weidenfeld and Nicolson, 1969.
9. J.C. Johari : Comparative Governments
10. K.C. Wheare : Federal Constitution
11. R.C. Agarwal : World Constitutions
12. Ramsay Muir : How Britain is Governed
13. Ray Samirendra N. : Modern Comparative Politics : Approaches, Methods and Issues, Prentice Hall of India Pvt. Ltd., New Delhi, 2000.
14. Rod Hague & Martin Harrop : Comparative Government and Politics-An Introduction 5th ed., Palgrave, 2002
15. S.R. Maheshwari : Comparative Government and Politics 7th ed. Narain's Publications, 2000.
16. V. Bhagwan : World Constitutions
17. V. Wright : Government and Politics of France, 3rd edn., London, Unwin Hyman, 1989.
18. Vidya Bhusan, : Comparative Politics, Atlantic Publishers New Delhi, 2008.
19. W. Zhang : Transforming China : Economic Reforms and its Political Implications, New York, St. Martin's Press, 2000.
20. प्रभूदत्त शर्मा : तुलनात्मक राजनीति संस्थाएं
21. सी.बी. गैना : तुलनात्मक राजनीति एवं राजनीतिक संस्थाएं
22. जे.सी. जोहरी : तुलनात्मक राजनीति
23. ओ.पी. गाबा : तुलनात्मक राजनीति

24. तुलनात्मक शासन : डॉ. एस.सी. सिंघल
एवं राजनीति
25. डॉ. पुखराज जैन व : तुलनात्मक शासन एवं राजनीति
डॉ. बी.एल. फड़िया

3. ECONOMICS

Scheme of Examination

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 V	3 hrs Duration	40	100 marks
Paper VI	3 hrs Duration	40	100 marks
Paper VII	3 hrs Duration	40	100 marks
Paper VIII	3 hrs Duration	40	100 marks

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-V

DEVELOPMENT AND ENVIRONMENTAL ECONOMICS

3 hrs. duration

Max. Marks 100

Unit I

Development and Economic Growth

Economic growth and development - Factors affecting economic growth - Capital, labour and technology; Growth models - Harrod and Domar; Instability of equilibrium - Neo-classical growth models - Solow and Meade, Mrs. Joan Robinson's growth model; Technological progress - Embodied and disembodied technical progress - Technical progress of Hicks, Harrod; Learning by doing; Production function approach to the sources of growth. Environment policy of India, UNEP.

Economic Development, Population and Institutions

Development and underdevelopment - Perpetuation of underdevelopment; Poverty-absolute and relative; Measuring development and development gap - per capita income, inequality of income and wealth, Human development index and other indices of development and quality of life; Concept of intellectual capital; Food security, education, health and nutrition - Human resource development - Population problem and growth pattern of population; Theory of demographic transition; Population, poverty and environment; Economic development and institutions; Markets and market failure; State and state failure.

Unit II

Theories of Economic Development

Theories of development - Classical theory of development; Karl Marx in the theory of development - theory of social change; immutable laws of capitalist

development - Crisis in capitalism; Schumpeter and capitalistic development. Gandhian and Pt. Deen Dayal Upadhyaya's views on economic growth and development.

Approaches to Economic development

Partial theories of growth and development - Vicious circle of poverty; circular causation, unlimited supply of labour, big push, balanced growth, unbalanced growth, critical minimum effort thesis; Low income equilibrium trap - Dualism: Technical, behavioural and social.

Choice and Pattern of Investment

Need for investment criteria in LDCs; Present vs. future growth; Alternative investment criteria; Cost-benefit analysis.

Planning and Development

Need for planning - Democratic, decentralized and indicative planning, micro level planning.

Unit III

Environment and Ecology

The Principles of Environmental Economics. Environment-economy linkages; Environment as a necessity and luxury; Population-environment linkage; Environmental use and environmental disruption as an allocation problem; Market failure for environmental goods; Environment as a public good; The commons problem; Property right approach to environmental problem; Valuation of environmental damages; Land water, air and forest. Ancient Indian Thought on sustainability of environment and economic development.

Pollution Control

Prevention, control and abatement of pollution; Choice of policy instruments in developing countries; Environmental legislation; Indicators of sustainable development; Environmental accounting.

BASIC READING LIST

- Adelman, I. (1961), Theories of Economic Growth and Development, Stanford University Press, Stanford.
- Behrman, S. and T.N. Srinivasan (1995), Handbook of Development Economics, Vol. 1 to 3, Elsevier, Amsterdam.
- Ghatak, S. (1986), An Introduction to Development Economics, Allen and Unwin, London.
- Hayami, Y. (1997), Development Economics, Oxford University Press, New York.
- Higgins, B. (1959), Economic Development, Norton, New York.
- Kindleberger, C.P. (1977), Economic Development, 3e, McGraw Hill, New York.
- Meier, G.M. (1995), Leading Issues in Economic Development, 6e, Oxford University Press, New Delhi.
- Myint, Hla (1971), Economic Theory and Under Developed Countries, Oxford University Press, New York.
- Thirwal, A.P. (1999), (6th Edition), Growth and Development, Macmillan, London.
- Eugen Odum, Fundamentals of Ecology, Natraj Publishers, Dehradun.

ADDITIONAL READING LIST

- Arestis, P.(Ed.) (1993), Employment, Economic Growth and the Tyranny of the Market, Edward Elgar, Aldershot.
- Bhagwati, J. and P. Desai (1970), India: Planning for Industrialization, Oxford University Press, London.
- Boserup, E. (1991), Population and Technological Change: A Study of

- Long Term Change. Chicago University Press, Chicago.
- Brahmaanda, P.R. and C.N. Vakil (1956), Planning for an Expanding Economy, Vora and Co. Bombay.
 - Chakravarti, S. (1982), Alternative Approaches to the Theory of Economic Growth, Oxford University Press, Delhi.
 - Chakravarty, S. (1987), Development Planning : The Indian Experience, Clarendon Press, Oxford.
 - Chenery, H.B. et. al (Eds.) (1974), Redistribution with Growth, Oxford University Press, New York.
 - Dasgupta, P., A.K. Sen and S. Marglin (1972), Guidelines for Project Evaluation, UNIDO, Vienna.
 - Ehrlich, P.A. Ehrlich and J. Holden (1997), Economics, Population Resources, Environment. W.H. Freeman, San Francisco.
 - Government of India (2000), India 2000, Ministry of Information and Broadcasting, New Delhi.
 - Hemple, Lamont C. (1998), Environmental Economics : The Global Challenge, First East West Press, Edinburgh.
 - Hirsch, A.O. (1958), The Strategy of Economics Development, Yale University Press, New Haven.
 - Kankanon, S. and M. Olson (2000), A New Institutional Approach to Economic Development, Vistaar.
 - Kuik, O.J. et. al (Eds.) (1997), Environment Policy, Pollution Control in the South & North : A Comprehensive Assessment of Approach in India and Netherlands; Indo-Dutch Studies on Development Alternatives, Sage Publications, New Delhi.
 - Little, I.M.D. (1982), Economic Development : Theory and International Relations, Basic Books, New York.
 - Lopez, R.E. (1997), Where Development Can Go Or Can Not Go. The Role of Poverty - Environmental Linkages, Annual World Bank Conference on Development Economics, World Bank, Washington D.C.
 - Maler, K.G (1997), Environment, Poverty in Economic Growth, Annual World Bank Conference on Development Economics, World Bank, Washington D.C.
 - Mehrotra, S. and J. Richard (1998), Development With a Human Face, Oxford University Press, New Delhi.
 - Mishan, E.J. (1975), Cost-Benefit Analysis, (2nd Edition), Allen and Unwin, London.
 - Sen, A.K. (Ed.) (1990), Growth Economics, Penguin, Harmondsworth.
 - Therberge, J.D., (Ed.) (1968), Economics of Trade and Development, John Wiley, New York.
 - Thirwal, A.P. (1974) Inflation, Savings and Growth in Developing Economies, Macmillan, London.
 - Todaro, M.P. (1971), Development Planning : Models and methods, Oxford University Press, Oxford.

Paper-VI -INTERNATIONAL ECONOMICS

3 hrs. Duration

Max. Marks 100

Unit I

Importance of Trade and Trade Theories

Importance of the study of international economics; Inter-regional and

International trade; Theories of absolute advantage, comparative advantage and opportunity costs; Heckscher-Ohlin theory of trade - its main features, assumptions and limitations.

Gains from Trade

Gains from trade - Their measurement and distribution; Trade as an engine of economic growth; Concepts of terms of trade and their importance in the theory of trade; Doctrine of reciprocal demand - its importance and limitations in the theory of trade.

Unit II

Module - 3 : Tariffs and Quotas

Types of tariffs and quotas; Their impact in partial equilibrium analysis; Free trade and policy of tariffs in relation to economic growth with special reference to India; Concept of optimum tariff.

Balance of Trade and Balance of Payments

Concepts and components of balance of trade and balance of payments; Equilibrium and disequilibrium in balance of payments; Consequences of disequilibrium in balance of payments; Various measures to correct deficit in the balance of payments; Relative merits, demerits and limitations of devaluation; Concept and implications of foreign trade multiplier; Functions of IMF, World Bank and GATT/WTO; Reform of the international monetary system and India.

Unit III

Foreign Trade in India

Recent changes in the composition and direction of foreign trade; Causes and effects of persistent deficit in the balance of payments; Measures adopted by the government to correct the deficit after 1991; Need for and rationale of trade reforms in India (including partial and full convertibility of rupee); Instruments of export promotion and recent export and import policies of India; Role of multinational corporations in India.

BASIC READING LIST

- Kenan, P.B. (1994), The International Economy, Cambridge University Press, London.
- Kindberger, C.P. (1973), International Economics, R.D. Irwin, Homewood.
- Krugman, P.R. and M. Obstfeld (1994), International Economics : Theory and Policy, Glenview, Foresman.
- Salvatore, D.L. (1997), International Economics, Prentice-Hall, Upper Saddle River, N.J.
- Sodersten, Bo (1991), International Economics, Macmillan Press Ltd. London.

ADDITIONAL READING LIST

- Aggarwal, M.R. (1979), Regional Economic Cooperation in South Asia, S. Chand and Co., New Delhi.
- Bhagwati, J. (Ed.) (1981), International Trade, Selected Readings, Cambridge University Press, Mass.
- Crockett, A. (1982), International Money : Issue and Analysis, ELBS and Nelson, London.
- Greenaway, D. (1982), International Trade Policy, Macmillan Publishers Ltd., London.
- Heller, H.R. (1968), International Monetary Economics, Prentice Hall, India.
- Joshi V. and I.M.D. Little (1998), India's Economic Reforms, 1999-2000, Oxford

University Press. Delhi.

- Nayyar, D. (1976), India's Exports and Export Policies in the 1960s. Cambridge University Press, Cambridge.
- panchmukhi, V.R. (1978), Trade Policies of India : A Quantitative Analysis. Concept Publishing Company, New Delhi.
- Patel, S.J. (1995), Indian Economy Towards the 21st Century, University Press Ltd., India.

Paper-VII - PUBLIC ECONOMICS

3 hrs. Duration

Max. Marks 100

Unit I

Nature and Scope of Public Finance

Meaning and scope of public finance; Distinction between private and public finance; Public goods vs. private goods; The Principle of maximum social advantage; Market failure; Role of the Government. Optimal Budgeting.

Public Expenditure

Meaning, classification and principle of public expenditure; Canons of Public Expenditure. Effects of public expenditure of Production and Distribution; Trends in public expenditure and causes of growth of public expenditure in India. Wagner's Law. Crowding out.

Unit II

Taxation

Sources of public revenue; Taxation - meaning, canons and classification of taxes; Division of tax burden - The benefit and ability-to-pay approaches; Impact, incidence and shifting of taxes; Factors affecting shifting of taxes. Taxable capacity; Effects of taxation; Characteristics of a good tax system. Laffer Curve. Major trends in tax revenue of the central government and Government of Rajasthan.

Public Debt

Sources of public borrowing; Effects of public debt; methods of debt redemption; Burden of Public debt on future generation. Growth of India's public debt.

Fiscal policy - objectives, tools and effectiveness.

Unit III

Financial Administration

The public budget - Kinds of budget; Economic and functional classification of the budget. Preparation and passing of budget in India. Concept of Deficit - Budget Deficit. Fiscal Deficit, Primary Deficit and Monetised Deficit. Centre-State Financial Relations. Latest Recommendations of the Finance Commission. N.D.C. formula for plan-allocation.

Reading List

- R.A. Musgrave : Theory of Public Finance.
- R.S. Musgrave and P. Musgrave : Public Finance in Theory and practice.
- S. Ganguli : Public Finance.
- H.L. Bhatia : Public Finance.
- Houghton, E.W. (Ed.) (1988), Public Finance, Penguin, Baltimore.
- Jha, R. (1998), Modern Public Economics, Routledge, London.
- Mithani, D.M. (1998), Modern Public Finance, Himalaya Publishing House, Mumbai.
- Musgrave, R.A. and P.B. Musgrave (1976), Public Finance in Theory and

Practice, McGraw Hill, Kogakusha, Tokyo.

ADDITIONAL READING LIST

- Due, J.F. (1963). Government Finance, Orwin, Homewood.
- Government fo India, Economic Survey (Annual), New Delhi.
- Herber B.P. (1976), Modern Public Finance, Richard D. Irwin, Homewood.
- Musgrave, R.A. (1959), The Theory of Public Finance, McGraw Hill, Kogakusha, Tokyo.
- Reserve Bank of India (1983), The Reserve Bank of India : Functions and Working, Bombay.
- Govt. of India, Economic and Functional Classification of Central Government Budget.
- M.C. Vaish and H.S. Agarwal : Public Finance.

Paper-VIII - MACRO ECONOMICS

3 hrs. Duration

Max. Marks 100

Unit I

Introduction and National Income Accounting

Nature and scope of economics; Fallacy of composition. Macroeconomics Models. The Major Schools of macro economic theory. concept and measurement of National income; National income identities with 4 sectors. Matrix representation of National Income.

Demand and Supply of Money

traditional version of Quantity theory of money. Friedmen's quantity Theory of Money and its empirical evidence. Tobin's and Baumol analysis, Money multiplier theory of Money supply. Inflation : causes, consequences and cures. P'hillips curve hypothesis : and effectiveness of monetary policy.

Unit II

Theories of Employment and Output

classical Model of determination of level of output and employment. Consequences of changes in money supply, shifting technology, shift in supply curve of labour and formation of Trade Union. Criticism against classical theory. Keynesian theory of employment : Partial and general equilibrium analysis. Multiplier analysis in four sector economy.

Unit III

Trade Cycles, Consumption and Investment

Samuelson and Hicks multiplier and accelerator Model of business cycle. Theories of consumption : Absolute, relative, permanent and life cycle hypothesis. Theory of investment autonomous and induced investment and MEC.

Economic Growth

Sources of growth; Growth models - Harrod and Domar; Instability of equilibrium; Neo-classical growth models - Solow; Economic Growth and technical progress.

BASIC READINGS LIST

- Ackley, G. (1970) Macroeconomics : Theory and Policy, Macmillan Publishing Company, New York.
- Day, A.C.L. (1960), Outline of Monetary Economics, Oxford University Press, Oxford.
- Gupta, S.B. (1994), Monetary Economics, S. Chand and Co., Delhi.
- Hejindra, B.J. and F.V. Ploeg (2001), Foundations of Modern

- Macroeconomics**, Oxford University Press, Oxford.
- Lewis, M.K. and P.D. Mizan (2000), **Monetary Economics**, Oxford University Press, New Delhi.
 - Shapiro, E. (1996), **Macroeconomic Analysis**, Galgotia Publications, New Delhi.

ADDITIONAL READING LIST

- Dillard, D. (1960), **The Economics of John Maynard Keynes**, Crossby Lockwood and Sons, London.
- Hanson, A.H. (1953), **A Guide to Keynes**, McGraw Hill, New York.
- Higgins, B. (1963), **Economic Development : Principles, Problems and Policies**, Central Book Depot, Allahabad.
- Keynes, J.M. (1936), **The General Theory of Employment, Interest and Money**, Macmillan, London.
- Kindleberger, C.P. (1958), **Economic Development**, McGraw-Hill Book Company, New York.
- Lucas, R. (1981), **Studies in Business Cycle Theory**, MIT Press, Cambridge, Massachusetts.
- Mich. G.M. and R.E. Baldwin (1957), **Economic Development: Theory, History and Policy**, Wiley & Sons Inc., New York.
- Powelson, J.P.C. (1960), **National Income and Flow of Funds Analysis**, McGraw Hill, New York.

4. Geography

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

(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-V: POLITICAL 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**

Nature, History & development, Scope and significance of Political Geography; Political Geography and Geopolitics. Approaches to the study of political Geography - Morphological and Functional, Unified field Theory of S.B. Jones. Role of physical, demographic, economic and social factors in political geography.

Unit - II

State as a politico-territorial phenomenon. The changing value of locations. Size and shape in political geography of states. Organization of government over the national territory - unitary and federal. Boundaries and frontiers : Functions and classification of International boundaries, Capital and core areas.

Unit - III

Global strategic views - Mackinder, Spykman, De-seversky and Mahan, under development and international policies. North-South Dialogue and New international economic order. International economic order.

International tensions-Identification of areas with special reference to West Asia and the Indian Ocean Region, Regionalism in International Relations, Nature & effects of international and national terrorism.

Election Geography : Nature, approaches and importance, election in national perspective, voting behavior and voting system in India.

Suggested Books:

1. भट्टाचार्य एवं आच्छा : राजनैतिक भूगोल, राजस्थान हिन्दी ग्रंथ अकादमी।
2. सक्सेना, हरिमोहन : राजनैतिक भूगोल, रस्तोगी एण्ड कम्पनी, मेरठ।
3. Blij, H.J.De : Systematic Political Geog., John Willey & Sons, New York.
4. Dixit, R.D. : Political Geography : A contemporary perspective, Tata McGraw Hill, New Delhi.
5. Muir, R. : Modern Political Geography, McMillan, London.
6. Prescott, J.R.V. : Political Geography, Methuen & Co. London.
7. Taylor P. : Political Geography, Longman, London.

PAPER-VI: AGRICULTURAL 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**

Nature, scope and significance of Agricultural Geography. Approaches to the

study of Agricultural Geography – Commodity, Environmental, Systematic and Regional. Determinants of agricultural land use : Physical, Social, economic and cultural.

Unit – II

A critical review of Whittlesey's agricultural classification, agricultural types – their characteristics and distribution in the world. Patterns of land use with special reference to India. Agricultural of U.S.A., China & India.

Agro and social forestry; Green and blue revolution in India.

Unit – III

Agricultural statistics and their mapping; agricultural regionalization – concept, methods of delimitation; Traditional and statistical methods; Crop-ranking; Crop-combination regions; Weaver's crop-diversification, concentration methods. Agricultural Efficiency – concept and methods of measurements, Nutrition and food balance sheet, crop-pattern and deficiency disease.

Suggested Books :

1. Gregor, H.F. : Geography of Agriculture – Themes in Research, Prentice Hall inc. London.
2. Hartshorn & Alexander : Economic Geography, Prentice Hall of India (EEE), New Delhi.
3. Hussain M. : Agricultural Geography, Inter-India Publications, New Delhi.
4. Singh & Dhillon : Agricultural Geography, Tata McGraw Hill, New Delhi.
5. Symons, L. : Agricultural Geography, G.Bell & Sons, London.
6. Tewari, P.S. (Ed) : Contribution to Agriculture, Themes in Heritage, Delhi.
7. Whittlesay, D.S. : Major Agricultural Regions of the Earth, A.A.A.G Vol. 26.
8. Shafi, M. : Land use in Eastern U.P., A.M.U. Press, Aligarh (U.P.)

PAPER-VII: BIO-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**

Definition, scope and significance of Bio-Geography; its relation to other sciences; Basic ecological principles; Bio-energy cycle in the terrestrial eco-system; energy budget of the earth; Trophic levels, food chain and food webs; Darwin's Theory of Evolution; concepts of Biome; Ecotone and community.

Unit-II

Origin and extinction of Fauna and Flora : Geographical distribution, major gene centre, domestication of plants and animals; Migration and dispersal,

distribution of plant life (Floristic realms) on the earth and its relation to soil types, climates and human practices.

Geographical distribution of animal life (zoo geographical realms) on the earth and its relation of vegetation types, climate and human practices.

Biodiversity-definition, types, value, various levels, Hotspots, threats, conservation of biodiversity.

Unit – III

Problem of pollution - types of pollution, water pollution in river Ganga, Environmental degradation and consequences, its effects on major plants and animal life; study of Mangrove, tropical rainforest and mountain, Bio-geographical regions of India in relation to their plant and animal life, problems, conservation and management.

Suggested Books :

1. Robinson M.H. : Bio Geography, E.L.B.S. McDonal Evans, London.
2. Symmons, I.G. : Bio-geographical Processes, George Allen and Unwi, London.
3. Berry, C. : Biogeography – An ecological and Evolutionary Approach, Cox Blackwell, Oxford, 1977.
4. Joy, T. : Biogeography – A Study of Plants in 1971 the Ecosphere, Oliver and Boyd, Edinburgh.
5. Mathur, H.S. : Essentials of Bio Geography, Jaipur.
6. Seddon, B. : Biogeography, Duckworth, London, 1971.
7. Martin, C. : Plant Geography, Mathuen, 1975.
8. Philip, J. : Zoo Geography- The Geographical Distribution of Animals, John Willey, New Yourk, 1957.
9. कुलश्रेष्ठ, के.पी. जैव भूगोल, किताब घर, कानुपुर।
10. जोशी रतन : जैव भूगोल एवं जैव विविधता, राजस्थान हिन्दी ग्रन्थ अकादमी, जयपुर।

PAPER-VIII: STATISTICAL METHODS IN 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**

Nature, scope and significance of the statistical techniques in geography. Data – types, sources, collection, editing tabulation and classification. Frequency distributions, characteristics of frequency distribution : Number of classes, class interval; Types of frequency graphs – histogram; frequency polygon and frequency curve. Measures of central tendency-arithmetic, harmonic and geometric mean; median, quartile and mode.

Unit-II

Measures of variations of dispersion – range, quartile deviation, mean deviation, standard deviation; Lorenz curve; Normal curve; Relative variation; measures of Skewness; Kurtosis.

Methods of Correlation – Graphical, Spearman's Rank, Carl Pearson's.

Unit-III

Regression line and confidence limits; Methods of interpolation and extrapolation, index number.

Suggested Books

1. Aslam, Mahmood : Statistical Methods in Geographical Studies, Rajesh Publication, Delhi 1977.
2. Duncan, C.D. et.al : Statistical Geography C. Problems in Analysis Areal Data, Free of Glencoe, New York, 1961.
3. Gregory, S. : Statistical Methods and the Geographer, Longman's London, 1963.
4. King, L.J. : Statistical Analysis in Geography, Prentice Hall, Englewood Cliff, N.J.
5. Lewis Peter : Maps and Statistics, Methuen & Co.Ltd., London, 1977.
6. Norchiffe, : Inferential Statistics for Geographers, Kalyani Publishers, New Delhi, 1979.
7. Yeats Mauries, : An Introduction to Quantitative Analysis in Economic Geography, McGraw Hill, New York. 1968

GEOGRAPHY (HONS) PRACTICAL

Duration : 8 hrs.	Min. Pass Marks – 32	Max Marks : 80
Distribution of Marks for the purpose or 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
	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.

1. Types and uses of cartographic symbols – point, line and area symbols, classification of distribution maps.
2. Representation of population data – distribution (dot), density (choropleth), growth (ring), age and sex-composition (Pyramid-simple, superimposed and compound), urban & rural population (dot & circle, dot & sphere).
3. Agriculture data – land use (divided circle), production (square and rectangle), irrigated area as percent to total cropped area (choropleth), distribution (dot and symbols).
4. Industrial data – Production and trade (Polyline graph, Bandgraph, Blok pile, Bar-simple, compound and multiple), Transport data – traffic flow diagram.
5. Plane table survey – Radiation, intersection, traversing, resection (two and three pint problems), Mechanical Method, Llano's, Bassel's, Trial and error.
6. Indian clinometers – Its parts, methods and determining the height of distant

points. Six days Environmental Survey Camp of any village/ town in Rajasthan state. Report should be prepared by each student separately.

Books Recommended

1. Monkhouse E.J. : Maps and diagrams, Methuen Co. London.
2. Robinson, A.H. : Maps and diagrams, John Willey & Sons, New York.
3. Mishra R.P. : Fundamental of Cartography, MacMilon, New Delhi.
4. Singh R.L. : Elements of Practical Geography, Kalyani Publishers, New Delhi.
5. जे.पी. शर्मा : प्रायोगिक भूगोल, रस्तोगी प्रकाशन, मेरठ।
6. एम.एस. जैन : प्रायोगिक भूगोल, साहित्य भवन, आगरा।

5. HISTORY (Hons.)**Part A****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.

PAPER – V MEDIEVAL INDIAN HISTORY**(1000-1761 A. D.)****Time: 3 hrs.****Max Marks. 100****Part 'A'**

Turkish invasion and Rajput resistance – Establishment and consolidation of Delhi Sultanate – Khalji imperialism and tughlaq innovations. A Survey of growth of provincial Kingdoms. Contribution of Bahamani and Vijaynagar Kingdoms.

Part 'B'

Mughal Imperialism with special reference to Akbar, Shahajahan and Aurangzeb – Mughal policy towards the Rajputs, the Decan and the North-West Frontier, Religious policy. Rise of Shivaji and Expansion of the Marathas upto 1761. Fall of the Mughal Empire – Third battle of Panipat.

Part 'C'

Bhakti Movement and efforts at Cultural Synthesis- Development of Art, Architecture and Literature. Nature of State and growth of administrative agrarian agra systems. Life and condition of the people main source for the history of the period.

PAPER VI – SURVEY OF THE HISTORY OF RAJASTHAN**Time: 3 hrs.****Max Marks: 100****Part 'A'**

- (a) An outline of pre-historic and proto-historic Rajasthan with special reference to chief archaeological sites of Kalibanga, Ahar and Bairath.
- (b) Outline of Matsys and Malva Janepadas only.
- (c) Rise of Guhilots, Gurjara, Pratiharas (Nag Bhatt II, Bhoj II) Prithviraj III
- (d) Expansion of Allauddin Khalji's power in Rajasthan with special reference of

Ranthambhor, Chittor and Jalore.

Part 'B'

- (a) Rise of Mewar under Kumbha and Sanga
- (b) The policy of collaboration and resistance of the Rajput states with reference to Man Singh of Amber, Matharana Pratap and Ajit Singh.
- (c) Sawai Jai Singh's relations with the neighbouring Rajput states and the Mughal Court Rajput states and the Marathas with special reference to Bajji Rao I.

Part 'C'

- (a) Rajput Feudal system
- (b) Causes of National awakening in Rajasthan (Peasant Movement in Mewar: Tribal Movement under Guru Govind Giri and Motilal Praja Mandal Movement with special reference to Marwar and Bharatpur. Integration of Rajasthan (1948-56)

PAPER VII-OUTLINES OF THE HISTORY OF SOUTH INDIA

Time: 3 hrs.

Max Marks: 100

Section 'A'

Geographical and Prehistoric background of South India India and Deccan, The Sangam Age-Political, Social, Economic and Cultural conditions. The Satavahanas - Political History and Cultural achievements.

Sections 'B'

The pallavas of Kanchi and the Chalukayas of Vatapi-Political. Economic and Cultural Achievements.

Sections 'C'

The Rashtrakutas of Manyakheta and Cholas Political, Economic and Cultural achievements. The local-self government under the cholas.

PAPER VIII - WORLD HISTORY - II (1976-1917 A.D.)

Time: 3 hrs.

Max Marks: 100

Section 'A'

Causes of the American Revolution - its nature and consequences Back-ground and causes of the French Revolution. National Assembly and the Regime of terror - its achievements. Rise of Napoleon Bonaparte-Reforms and causes of his defeat. Impact of French Revolution of Europe.

Industrial Revolution-causes and nature-revolutions of 1848; causes and nature of opium wars and the establishments of European influence in china.

Section 'B'

National unification in Italy and Germany-American Civil War consequences, nature and its impact. Bismarck an Foreign Policy after 1871. Congress of Berlin, Growth of Industrialization in Europe in the 19th century. Imperialism in Africa-Egypt and Congo-Modernization of Japan in 19th Century.

Section 'C'

Foreign policy of William II-Moroccan Crisis Wars of 1912-13.

Background and causes of World War - I

Russ Japanese War - its causes and results - Russian.

Revolution of 1905 - Causes and nature of the revolution of 1917.

Contribution of Lenin - Impact of the Revolution.

Ideas of Yet Sen - Nature and causes of the Chinese Revolution of 1911.

