

RajRishi Bhartrihari Matsya University, Alwar
B.A. (Hons) Part – I Examination
Geography

Paper	Duration	Max. Marks	Min. 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 30 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.

Note :-

1. Each theory paper is divided into three independent Sections. 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 Section, each question of 1.5 marks.
3. Part-B (20 marks) is compulsory and contains five questions, at least one from each Section. Candidate is required to attempt all five questions. Each question is of 4 marks (50-100 words).
4. Part-C-(45 marks) contains six questions. Two from each Section. Candidate is required to attempt three questions one from each Section. Each question is of 15 marks (400 words)
5. Practical examination will be conducted by the board of examiners.
6. The candidate will have to pass in theory and practical separately.

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PAPER-I : PHYSICAL BASIS OF GEOGRAPHY

3hr. Duration

Max. Marks : 80

Note :-

1. Each theory paper is divided into three independent Sections. 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 section, each question of 1.5 marks.
3. Part-B (20 marks) is compulsory and contains five questions, at least one from each section. Candidate is required to attempt all five questions. Each question is of 4 marks (50-100 words).
4. Part-C-(45 marks) contains six questions. Two from each unit Candidate is required to attempt three questions one from each Section. Each question is of 15 marks (400 words)

Course Contents :

Section A

Definition of Physical Geography; Origin of the earth, Shape and size of the Earth, Motions of the Earth and its Satellite, Physical and chemical state of the earth, structure and zones of the interior of the earth and Geological time scale, Origin of Continents and Oceans, Continental Drift Theory, Plate Tectonics, Concept of isostasy- view of Airy & Pratt. Earth movements; Diastrophic forces – Faults and folds; Sudden Endogenic forces; Earthquakes and Volcanoes.

Section B

Rocks. their types and characteristics, Theories of mountain building – Joly, Kober and Holmes; Exogenic Forces-Denudation, Concept of cycle of Erosion- Davis and Penck; Landforms associated with Fluvial. Glacier, Aeolian ,Coastal & Karst landscapes.

Composition and structure of the Atmosphere, Insolation, Temperature and Pressure, Pressure belts and Planetary winds, Monsoon and local winds, Humidity, classification of Clouds and Precipitation, Air masses, Fronts and Cyclones: Tropical and Temperate

Section C

Classification of the world climates: Koppen and Thornthwaite, General Climatic classification.

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. Classification of Marine Resources.

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. :MosamVigyan, Rajasthan Hindi Granth Academy Jaipur.
5. Gerald, S. : General Oceanography – An Introduction, John Willey & Sons, New York.
6. Finch &Trewarths :Elaments of Physical Geography.
7. Negi : Physical Geography.
8. Sharma. R.C. : Oceanography for Geographers, Chaitainya Publishers, Allahabad.
9. सविन्द्र सिंह : भौतिक भूगोल-वसुन्धरा प्रकाशन, गोरखपुर।
10. वी.एस. चौहान एवं अलका गौतम : भौतिक भूगोल-रस्तोगी प्रकाशन, मेरठ।
11. सी.बी. मामोरिया एवं रतन जोशी : भौतिक भूगोल, साहित्य भवन पब्लिकेशन, आगरा।
12. चौहान वी.एस. व गौतम, ए. 2005 भौतिक भूगोल (जीवमण्डल सहित) रस्तोगी पब्लिकेशन, मेरठ।
13. दयाल पी. 2012, भौतिक भूगोल। राजेश पब्लिकेशन, नई दिल्ली।
14. गौतम, अल्का, 2012: भौतिक भूगोल। रस्तोगी पब्लिकेशन मेरठ।
15. Husain, M. 2001, Fundamentals of Physical Geography. Rawat Publication, Jaipur
16. Khullar, D.R. 2012: Physical Geography. Kalyani Publishers, New Delhi
17. सिंह, सविन्द्र, 2011 : भौतिक भूगोल का स्वरूप। प्रयाग पुस्तक भवन, इलाहाबाद।
18. शर्मा, एचएस, शर्मा एम.एल. एण्ड मिश्रा आर. एन. 2008 भौतिक भूगोल। पंचशील प्रकाशन जयपुर।

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PAPER-II :HUMAN GEOGRAPHY

Max.Marks : 80

3hr. Duration

Note :-

1. Each theory paper is divided into three independent Sections. 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 Section, each question of 1.5 marks.
3. Part-B (20 marks) is compulsory and contains five questions, at least one from each Section Candidate is required to attempt all five questions. Each question is of 4 marks (50-100 words).
4. Part-C-(45 marks) contains six questions. Two from each Section Candidate is required to attempt three questions one from each Section. Each question is of 15 marks (400 words)

Course Contents :

Section A

Introduction of Human Geography: Meaning, Definition, Nature, Scope and importance, Branches of Human Geography and its relation with other Social Sciences, Principles of Human Geography, Essential Elements of Human Geography: Brunhes and Huntington, Approaches to Human Geography: Environmental Determinism, Possibilism, Neo Determinism, Contribution of various scholars: Fredrick Ratzel, Miss Ellen Sample, Vidal de la Blache, Huntington.

Section B

Human races: evolution and migration, zone-strata theory, classification of races: types, characteristics and distribution. Human races in India. Tribes of the world: Eskimos, Bushman, Pygmy, Masai, Badawins and Kirghiz. Tribes in India: Bhils, Nagas, Santhal, Gond, Gujjar of Jammu and Kashmir and Toda. Their Social and Economic activities and adaptation in modern society. Population growth and theories, Distribution and Density of world population.

Section C

Migration of Population: causes, types and impacts, Population regions and Population Policies in India. Problems of overpopulation in India and its remedial measures. Rural settlements, factors affecting development of Rural Settlement, Types and Pattern of Rural settlements, Building materials and House types, Urban settlements: process of Urbanization, Urban problems in India, Impact of human activities on environment.

Suggested Books:

1. Bergwan, Edward E :Humna Geography; Culture, Connection and Land Landscape, 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।

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9. Dohrs, F.E. and Summners, L. W. (eds.) 1967: Introduction to Geography. Thomas Crowell Co., New York.
10. Dear, M.J. and Flusty, S. (ed.) 2002: The spaces of Post modernity, Reading in Human Geography. BlackWell Publishers Ltd., Oxford.
11. rellmen, Getis and Getis. J. 1998: Human Geography-Landscape of human activities Longman-London.
12. Husain, M. 2012: Human Geography. Rawat Publications, Jaipur
13. हारून, एम. 2006 : संसाधन भूगोल। वसुन्धरा प्रकाशन, गोरखपुर।
14. Leong, G.C. and Morgan, E.C. 1982: Human and Economic Geography. Oxford University Press, Oxford 2nd Edition.
15. कौशिक, एस.डी. 2012 : मानव भूगोल । रस्तोगी पब्लिकेशन्स, मेरठा।

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PAPER-III : GEOGRAPHY OF RAJASTHAN

Max.Marks : 80

3hr. Duration

Note :-

1. Each theory paper is divided into three independent Sections. 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 Section each question of 1.5 marks.
3. Part-B (20 marks) is compulsory and contains five questions, at least one from each Section. Candidate is required to attempt all five questions. Each question is of 4 marks (50-100 words).
4. Part-C-(45 marks) contains six questions. Two from each Section Candidate is required to attempt three questions one from each Section. Each question is of 15 marks (400 words)

Course Contents :

Section A

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 programs; Biodiversity and Wildlife; Wasteland and desert development programs.

Section B

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.

Section C

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।

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4. दिनेश चन्द शर्मा व पुष्पा शर्मा, राजस्थान आजतक।
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.
8. P.K Sharma& Preeti Mishra : Geography of Rajasthan ,Pareek Publication, Jaipur

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PAPER-IV : ECONOMIC GEOGRAPHY

Max.Marks : 80

3hr. Duration

Note :-

1. Each theory paper is divided into three independent Sections. 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 Section, each question of 1.5 marks.
3. Part-B (20 marks) is compulsory and contains five questions, at least one from each Section. Candidate is required to attempt all five questions. Each question is of 4 marks (50-100 words).
4. Part-C-(45 marks) contains six questions. Two from each Section Candidate is required to attempt three questions one from each Section. Each question is of 15 marks (400 words)

Course Contents :

Section A

Meaning and scope of Economic Geography, Concepts . Study of the geographical factors affecting economic activities, economic activities of man – Primary, Secondary, Tertiary, World Production and distribution of important crops- Rice, Wheat, Maize, Cotton, Tea and Coffee.

Section B

Agricultural types and Agricultural Region of the world, Irrigation systems, Important minerals and their distribution (Iron, Copper, Aluminum and Uranium, Coal and Petroleum). Man's utilization of natural resources and conservation.

Section C

Industrial region of the world, Major manufacturing industries and their localization, Iron and Steel, Textile and Chemical, Study of economic regions Damodar Valley, Hoogly , Ruhr region, & Great Lake Region, World Trade and Transport, Trade and Trade Routes : Sea, Air and Pipe lines. WTO and Globalization, its effect on developing countries.

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" वसुन्धरा प्रकाशन, गोरखपुर।
5. जैन पी : "आर्थिक भूगोल" रस्तोगी प्रकाशन, मेरठ।
6. मामोरिया सी.बी. : "आर्थिक भूगोल" साहित्य भवन पब्लिकेशंस, आगरा।
7. नेगी बी.एस. : संसाधन भूगोल।
8. Alexander, J. W. 2001: Economic Geography. Prentice Hall. India, New Delhi Berry, B.J.L. et al 1976: Geography of Economic System. Prentice hall, Englewood, cliffs N.J., USA.
9. गौतम, अल्का, 2010 : आर्थिक भूगोल। रस्तोगी प्रकाशन, मेरठ।
10. Guha, J.L. and Chattoraj, P.R.: A New Approach to Economic Geography. World press Kolkatta.
11. हारून, एम. 2006 : संसाधन भूगोल। वसुन्धरा प्रकाशन, गोरखपुर।
12. Janaki, V.A. 1985: Economic Geography. Concept Publishing Co., New Delhi
13. Leong, G.C. and Morgan, G.C. 1982: Human and Economic Geography. Oxford University Press, London.
14. Singh, Kashi Nath and Siddiqui, A.R.: Economic Geography, Prayag Pustak Bhawan, Allahabad.
15. Wheeler, J.O. and Muller, O.P. 1995: Economic Geography. John Wiley, New York.

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8

GEOGRAPHY (HONS -I) PRACTICAL

Duration : 6.hrs.

Min. Pass Marks – 32

Max Marks : 80

Distribution of Marks for the purpose or Examination

1. Written paper (Lab work) (3hour) (3 Prob. out of 5)	30 Marks	
2. Record work and viva-voce (15+5)	20 Marks	
3. Field Survey and viva-voce (10+5) (3 hour)	15 Marks	
4. Camp report and viva-voce (10+5)	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 – isopleth 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. Three days Environmental 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 and PPT.

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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, Macmillon, New Delhi.
5. Kellaway, Georgep : Man Projections, Mathuen& Co., London.
6. Steers, J.K. : Man Projections, University of London Press, London.
7. जे.पी. शर्मा : प्रायोगिक भूगोल, रस्तोगी प्रकाशन, मेरठ।
8. एस.एम. जैन : प्रयोगिक भूगोल, साहित्य भवन, आगरा।
9. आर. एन.मिश्रा पी. के. शर्मा, प्रयोगिक भूगोल - रावत प्रकाशन, जयपुर।

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