

B.A. (Hons) Part – I Examination 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-I : PHYSICAL BASIS OF 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 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. : 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, Chaitanya 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. 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
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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. 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 activites 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. कास्वो—मानव एवं पर्यावरण, मलिक प्रकाशन, जयपुर ।
9. गुर्जर. आर.के. एवं जाट बी.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 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.

PAPER-IV :GEOGRAPHY OF RESOURCES

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. 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

Resource Geography – Definitions, scope and subject matter, Principles of resource scarcity, classification of resources, Natural resources – Biotic, Soils and water resources, their distribution, utility and conservation; Mineral Resources –Metallic and non-metallic; Power resources-Coal, Petroleum, Hydro-electricity, Atomic & Solar Energy.

Unit – II

Human Resources- growth, distribution and density of population; Population – resources relationship; Migration of Human Resources; Human Resources Development: Agriculture- Food crops, beverages and industrial crops; livestock and their products, fisheries and other marine resources.

Unit – III

Problem of resource utility, planning and management: sustainable development and use of resources : resource utilization and their conservation world perspective of resources and Indian view point. Resource regionsof the world and India.

Suggested Books

1. कौशिक एवं गौतम : संसाधन भूगोल, रस्तोगी एण्ड कम्पनी, मेरठ।
2. मेहन्दी रजा एवं सिंह : संसाधन भूगोल।
3. Hartshorn, T.A. & Alexander. J.W. : Economic Geography, Prentice Hall of India (E.E.E.) New Delhi.
4. Guha&Chatterji : A New Approach to Economic Geography. Robinson, H : Economic Geography, Activity, Mc. Graw Hill.
5. Zimmerman, W.E. : World Resources and Industries, Harper & Row.

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.

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 Isohyts maps,) Simple and compound wind rose, climograph, hythergraph and climatograph, study & interpretation of weather maps of January & July months. 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)
6. Sixdays socio-economic survey camp of any village/town within Rajasthan state. Report should be prepared by each student seperately.

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 ।