

RajRishi Bhartrihari Matsya University, Alwar

Syllabus - B.A. Geography (HONS.) PART-I

Scheme of Examination

Min. Pass Marks 160 (40% in each Paper)		Max. Marks 400
Paper- I 3 hour duration	Physical Geography	Max. Marks 80
Paper —II 3 hour duration	Human Geography	Max. Marks 80
Paper —III 3 hour duration	Economic Geography	Max. Marks 80
Paper —IV 3 hour duration	Geography of Rajasthan	Max. Marks 80
Practical		Max. Marks 80

Notes

1. Students are permitted to use the stencils, simple calculator and log tables wherever needed in both theory and practical examinations. Each theory paper will have a teaching of 4 hours per week.
2. There will be a common paper for Arts and Science.
3. Q.1 will be compulsory and will cover the entire course of the paper.
Q.No. 1 will be of 40% marks of the maximum marks be set in two parts.
Part (a) will have eight items (out of ten) for locating on a map (to be supplied by examination centre) carrying 20% marks of the maximum marks.
Part (b) will have 05 short answer questions carrying 20% marks of the maximum marks and candidates shall attempt any four items.
4. Remaining 6 questions carrying equal marks will be set with two questions from each section of the syllabus. (Essay type/descriptive answer)
5. Candidate will attempt 4 questions in all including question No. 1 selecting at least one question from each section.
6. Practical examination will be conducted by the board of examiners.
7. The candidate will have to pass in theory and practical separately.

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Paper I: Physical Geography

Section A

Definition, scope and development of physical geography, geological history of the Earth; zoning of Earth's interior, rocks, origin of continents and oceans; continental drift theory and plate tectonics; concept of isostasy: views of Airy, Pratt, Joly and Holmes. Earth movements: epeirogenic and orogenic; mountain building theories: Kober, Jeffreys, Daly, Joly and Holmes and plate tectonics; denudation, cycle of erosion: views of W.M. Davis and W. Penck, erosional and depositional topographies: river, underground water, glacier, wind and oceanic waves.

Section B

Surface configuration of oceans bottom: Pacific, Atlantic and Indian oceans, ocean deposits, horizontal and vertical temperature of oceans, oceanic salinity, tides, oceanic waves and currents, coral reefs and their origin: views of Darwin and Dana, W.M. Davis, Murray, classification of marine resources, biosphere and its components, ecosystems, plant community and animal kingdom, biome::: equatorial rainforest, monsoon, savanna and temperate grasslands.

Section C

Composition and structure of the atmosphere, insolation, air temperature, air pressure, pressure belts and planetary winds, monsoon and local winds, humidity, classification of clouds and precipitation, air masses, fronts and cyclones: tropical and temperate, classification of the world climates: Koppen and Thornthwaite, general climatic classification.

Recommended Readings:

- चौहान वी.एस. व गौतम, ए. 2005^ण भौतिक भूगोल (जीवमण्डल सहित)। रस्तोगी पब्लिकेशन्स, मेरठ।
- दयाल पी. 2012, भौतिक भूगोल। राजेश पब्लिकेशन्स, नई दिल्ली।
- गौतम, अल्का, 2012 : भौतिक भूगोल। रस्तोगी पब्लिकेशन मेरठ।
- Husain, M. 2001, Fundamentals of Physical Geography. Rawat Publication, Jaipur
- Hess, D. 2012: Physical Geography : A Landscape Appreciation. PHI Learning Private Limited, New Delhi, Mcknight's Tevtt Edition.
- Khullar, D.R. 2012: Physical Geography. Kalyani Publishers, New Delhi
- सिंह, सविन्द्र, 2005 : भू-आकृति विज्ञानं तारा पब्लिकेशन, वाराणसी।
- सिंह, सविन्द्र, 2011 : भौतिक भूगोल का स्वरूप। प्रयाग पुस्तक भवन, इलाहाबाद।
- शर्मा, एचएस, शर्मा एम.एल. एण्ड मिश्रा आर. एन. 2008 भौतिक भूगोल। पंचशील प्रकाशन जयपुर।
- Sharma, R.C. and Vatal M. 1999: Oceanography for Geographers. Chaitanya Publishing House, Allahabad.
- Strahler, A.N. and Strahler, A.H. 1989: Elements of Physical Geography. John Wiley & Sons, New York.
- Tikkha, R.N. 1999: Physical Geography. Keda; Nath Rain Nath & C., Meerut.


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Paper II: Human Geography

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, stop and go determinism, contribution of various scholars: Fredrick Ratzel, Miss Ellen Sample, Vidal de la Blache, Huntington.

Section B

Evolution of man and races of mankind; distribution and characteristics. Early civilizations:- Indo-Gangatic, Egyptian and Tigris-Euphratis, centres of human civilization, human life and its adaptation of changing environment:- Eskimo, Pygmy, Bushmen, Khirgiz, Naga, Bhil, Gonds and Santhal.

Section C

Building materials and house types, types and patterns of rural & urban settlement, internal structure of cities, transport foci and centers of specialized services, principal Human occupations and principal agglomerations, their ecological and distributional aspects, trends of urbanization movement of mankind: definition, types, causes and effects in past and present times.

Recommended Readings:

Dohrs, F.E. and Summners, L. W. (eds.) 1967: Introduction to Geography. Thomas Crowell Co. , New York.

Dear, M.J. and Flusty, S. (ed.) 2002: The spaces of Post modernity, Reading in Human Geography. BlackWell Publishers Ltd., Oxford.

Fellmen, Getis and Getis, J. 1998: Human Geography-Landscape of human activities Longman-London.

गुर्जर आर.के. एवं जाट बी.सी. 2014 : मानव भूगोल। पंचशील प्रकाशन, जयपुर।

Husain, M. 2012: Human Geography. Rawat Publications, Jaipur

हारुन, एम. 2006 : संसाधन भूगोल। वसुन्धरा प्रकाशन, गोरखपुर।

Leong, G.C. and Morgan, E.C. 1982: Human and Economic Geography. Oxford University Press, Oxford 2nd Edition.

कौशिक, एस.डी. 2012 : मानव भूगोल। रस्तोगी पब्लिकेशन्स, मेरठ।

राव, बी.पी. एवं श्रीवास्तव, बी.के. 2008 : मानव भूगोल। वसुन्धरा प्रकाशन जयपुर।

प्रसाद, रामा एवं मीना, जे. 2013: जनसंख्या भूगोल। रीतु पब्लिकेशन, जयपुर।

Singh, R.L. 2005: Fundamentals of Human Geography. Sharda Pustak Bhawan, Allahabad.


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Paper III: Economic Geography

Section A

Meaning and scope of economic geography, study of the geographical factors affecting production, consumption and distribution of principal raw materials and food stuffs. Man's utilization of natural resources and conservation.

Section B

Agricultural types and agricultural region of the world, irrigation systems, Important minerals and their distribution iron, copper, aluminium and uranium, coal and petroleum.

Section C

Industrial region of the world, major manufacturing industries and their localisation Iron and steel, textile and chemical, study of economic regions — Damodar Valley, Hoogly and Ruhar, region, world trade and transport, trade and trade routes — Sea, Air and Pipe lines.

(Questions will be on the basis of world regions and not on countries.)

Recommended Readings:

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.

गौतम, अल्का, 2010 : आर्थिक भूगोल। रस्तोगी प्रकाशन, मेरठ।

Guha, J.L. and Chattoraj, P.R. : A New Approach to Economic Geography. World-press Kolkatta.

हारून, एम. 2006 : संसाधन भूगोल। वसुन्धरा प्रकाशन, गोरखपुर।


Janaki, V.A. 1985: Economic Geography. Concept Publishing Co., New Delhi

जाट, बी.सी. 2014 : आर्थिक भूगोल। पंचशील प्रकाशन, जयपुर।

Leong, G.C. and Morgan, G.C. 1982: Human and Economic Geography. Oxford University Press, London.

Singh, Kashi Nath and Siddiqui, A.R.: Economic Geography, Prayag Pustak Bhawan, Allahabad.

Wheeler, J.O. and Muller, O.P. 1995: Economic Geography. John Wiley, New York.


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Paper IV: Geography of Rajasthan

Section A

Physical aspects of Rajasthan: geological structure, relief, climate, drought, drainage, natural vegetation. Environmental pollution - causes and types; desertification, soils, soil erosion and conservation; availability, problems and conservation of water resources.

Irrigation sources, irrigation intensity, crop wise irrigation, quality of irrigation water problems, irrigation projects: detailed study of Indira Gandhi canal project, Chambal valley project, Mahi Bajaj Sagar projects on physical and socio-economic aspects.

Section B

Agriculture: development under five year plans, problems of agriculture development, general land use, live-stock dairy development, minerals. Cultural and development aspects: population-number, growth, distribution and density, rural and urban, male and female population, literacy status, occupational structure, schedule castes and schedule tribes, population problems, study of Bhil, Meena and Garasia. Settlement pattern: types of settlements, building materials and house types in Rajasthan with examples, factors affecting settlement.

Section C

Mineral resources: distribution and production; Power and energy resources: distribution and production (hydro-electricity, coal, petroleum, solar energy and bio-energy)

Industries: textile, sugar, cement, marble and granite, fertilizer, zinc and copper smelting. Transport & trade, development of tourism, desert development

programme, tribal areas development programme, Aravali hill development programme.

Detailed study of Marusthal, Aravali, Hadoti and Eastern plain region with following heads: Physical Social and cultural environment and economic development.

Recommended Readings:

Bhalla, L.R. 1996-97: Geography of Rajasthan. Kuldeep Publications, Jaipur.

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

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

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

नाथुरामका, एल.एन. 2012-13: राजस्थान की अर्थव्यवस्था। कॉलेज बुक हाउस, जयपुर।


साईवाल, स्नेह 2012: राजस्थान का भूगोल। कॉलेज बुक हाउस, जयपुर।

Singh, R.L. 1971 (ed.): India A Regional 'Geography NGSI. Varanasi,

Attar Singh. 1992: Flood Prone Areas of India. Aviskar Publishers Jaipur

Sharma H.S. and M.L. Sharma 2014: Geography of Rajasthan. Panchcil Puplicher, Jaipur.

सक्सेना, एच.एम., 2012: राजस्थान का भूगोल। राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर।


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Practical

Scheme of examination

Min. Pass marks: 32	Bifurcation of marks	Max. Marks : 80
		Time
Written test	40	3 hrs.
Field survey and viva voce	15+5	2 ^{1/2} hrs.
Record and viva voce	15+5	
Total Marks	80	

N.B. 1. There shall be 6 questions in written test selecting at least one questions from each section.' Candidates are required to attempt 4 questions selecting 1 question from each section. All question carry equal marks. Each practical batch of 30 students will be allotted a teaching of 4 hrs. per week for practicals.

SYLLABUS

Section A

The nature and scope of cartography, classification of maps, scales (plain, diagonal, comparative, vernier).

Section B

Methods of showing relief: hachures, hill shading, contours. Profiles-serial, longitudinal, transverse, superimposed composite, projected and their use in landform study.

Section C

Representation of temperature, pressure and rainfall' data, use of line and ,bar graphs, isotherms, isobars and isohytes, construction and significance of climograph, hythergraph and climatograph.

Section D

Enlargement and reduction of maps, use of pantograph, Study and interpretation of weather maps of India (particularly July and January)

Section E

Prismatic Compass survey: equipments, methods of measurement of bearings, correction of bearings, record of survey closing error and its corrections.

Recommended Readings:


Monkhouse, F. J. and Wilkinson, F.J. 1985: Maps and Diagrams. Methuen, London.

Raisz, E. 1962: General Cartography. John Wiley and Sons, New York. 5th edition.

Monkhouse, F. J. and Wilkinson, F.J. 1985: Maps and Diagrams. Methuen, London
Raisz, E. 1962: General Cartography. John Wiley and Sons, New York. 5th edition.

Sarkar, A. K. 1997: Practical Geography: A systematic Approach. Orient Longman, Kolkata.

Singh, R.L. and Singh Rana P.B. 1991: Elements of Practical Geography. Kalyani Publishers,


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