

121 GEOGRAPHY

B.A./B.Sc. (Hons.) Geography Part-III Examination Scheme of Examination

Min. Pass Marks 160 (40%)		Max. Marks 400
Paper -IX 3 hour duration	Geography of India	Max. Marks 80
Paper -X 3 hour duration	Evolution of Geographical Thoughts	Max. Marks 80
Paper -XI 3 hour duration	Fundamentals of Agricultural Geography	Max. Marks 80
Paper -XII 3 hour duration	Applied Geography	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.
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 of 20% marks of the total marks be set in two parts.
 - (a) Part (a) will have ten items for locating on a map (to be supplied by examination centre) carrying 10% marks of the maximum marks and candidates shall attempt any five items.
 - (b) Part (b) will have 10 short answer questions carrying 10% marks of the maximum marks and candidates shall attempt any five items.
4. Remaining 9 questions will be set with three questions from each section of the syllabus carrying equal marks.

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3. Candidate will attempt 5 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.

SYLLABUS

Paper IX: Geography of India

Section A

India in the context of South and Southeast Asia, geological structure, physiographic divisions, climate: seasons, mechanism of Indian monsoon, major climatic regions; vegetation, major soils and regions; drainage system, water resources and irrigation projects; forests, mineral and power resources: their utilization policy and conservation strategies.

Section B

Agriculture:-typology, major crops, changing pattern of crops, agricultural growth during plan period and green revolution, livestock resources and their development, industrial growth and development; industrial localization with reference to iron and steel, cotton textile, cement and chemical industries, industrial regions; population growth, distribution, problems, policy implication, trends of urbanization and human resource development.

Section C

Regional disparities in economic development, planning and economic regions of India, multilevel planning, problems and prospects of linking of rivers, environmental issues in India, transport development: rail, road, air and waterways, foreign trade: challenges and prospects.

Recommended Readings:

- Gautam, Alka, 2010: Geography of India. Rastogi Publications, Meerut.
- Gopal Krishnan, R. 2001: Geography of India, Jawaher Publishers & Distributions, New Delhi, 2nd Edition
- गुर्जर, आर.के. एवं जाट, बी.सी. 2013: भारत का भूगोल, पंचशील प्रकाशन, जयपुर।
- Khullar, D.R. 2006. India a comprehensive Geography; Kalyani Publishers, New Delhi
- मामोरिया, सी. 1999: आधुनिक भारत का वृहत्त भूगोल। साहित्य भवन पब्लिकेशन्स, आगरा।
- Sdasyuk, G. and Sengupta, 1968: Economic Regionalisation of India, Census of India Publication, New Delhi.
- Singh, G. 1998: A Geography of India, Atma Ram & Sons, Delhi, Sixth Edition.
- Singh, R.L. (ed.) 1971: India: A Regional Geography. N.G.S., Varanasi.

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Spate, O.H.K. and Learmonth, A.T.A. 1967: India and Pakistan, Land, People and Economy, Methuen and Co., London.

Tirtha, R 2000: Geography of India, Rawat Publications, Jaipur 2nd Edition (India)

तिव्वर, आर.सी. 2012: भारत का भूगोल। प्रयाग पुस्तक भवन, इलाहाबाद।

Paper X: Evolution of Geographical Thought

Section A

The scope and nature of geography in the ancient classical period, contributions of Herodotus, Eratosthenes, Strabo and Ptolemy, dark age, development of Geography during medieval period with special reference Al- Biruni, Al-Masudi, Ibn Batutta and Ibn Khaldun.

Section B

The revival of geography from the 14th to the 18th century, works of Varenius and Kant; foundation of modern of geography, contributions of Humboldt and Ritter, Ratzel, Mackinder, dualism and its implication in the development of geography: physical versus human geography, regional versus systematic, determinism versus possibilism, qualitative versus quantitative geography.

Section C

Basic concepts in geography: geography as the study of areal differentiation and landscape morphology, regions: concept and types, geography as human ecology and environmental science, quantitative revolution, development of Geography in India.

Recommended Readings:

Adhikari, S. 2009. Fundamentals of Geographical Thought. Chaitanya Publishing House, Allahabad.

Dickinson, R. E. 1967. The Makers of Modern geography. Routledge & Kegan Paul Limited, London.

Dikshit, R. D. 2004. Geographical Thought. A Critical History of Ideas. Prentice-Hall of India, New Delhi. (in English and Hindi).

Holt-Jensen, A. 1988. Geography: History and Concepts – A Student's Guide. Sage, Los Angeles (Fourth Edition).

James, P.E.; All Possible Worlds 1972: A History of Geographical Ideas; Odessey Press, 622 pages.

जाट, बी.सी. 2013: भौगोलिक चिन्तन का इतिहास। मलिक एण्ड कम्पनी, जयपुर।

जैन, एस.एम. 2005: भौगोलिक चिन्तन एवं विधि तंत्र। साहित्य भवन पब्लिकेशन्स, आगरा।

Johnston, R, et al 2003: The Dictionary of Human Geography. Blackwell Publishers, Oxford. 5th edition.

Majid. H. 2007. Evolution of Geographical Thought. Rawat Publications, Jaipur.

मौर्य, एस.डी. 2007, भौगोलिक चिन्तन का इतिहास, प्रयाग पुस्तक भवन, इलाहाबाद।

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Paper XI: Fundamentals of Agricultural Geography

Section A

Meaning, nature, scope and approaches (systemic and regional) of agricultural geography, determinants of agricultural land use: physical, social, economic and cultural.

Section B

Concept of agricultural region: Whittlesey's classification of agricultural regions, agricultural typology, land use and land capability classification: methods and applications.

Section C

Agro-climatic regions of India and their characteristics, green revolution: its impact and consequences, agricultural policy in India and contemporary issues: nutrition, hunger and food security.

Recommended Readings:

Jat, B.C. Arthik Bhugol, 2013: Panchsheel Prakashan, Jaipur.

Husain, M., 1996: Systematic Agricultural Geography, Rawat Publication, Jaipur.

कुमार, पी. एवं शर्मा, एस. 1996: कृषि भूगोल। मध्य प्रदेश हिन्दी ग्रन्थ अकादमी, भोपाल।

Morgan, W.B. and Muton. R.J.C. 1971: Agriculture Geography. Methuen, London.

Singh, J. and Dhillon, S.S. 1984: Agricultural Geography, Tata McGraw Hill Publishing Co. Ltd. New Delhi.

Shafi, M. 2000: Agricultural Geography of Asia. Macmillan, New Delhi.

तिवारी, आर.सी. एवं सिंह, बी.एन. 1994: कृषि भूगोल। प्रयाग पुस्तक भवन इलाहाबाद।

Paper XII: Applied Geography

Section A

Nature, scope and content of applied geography, identification of problems of interdisciplinary nature like environments resource base, resource utilization sustainable development, issues related to spatial variations in physical environments, land capability, agricultural productivity, environmental degradation, environmental challenges and environmental management.

Section B

Issues related to human resource development: quality versus numbers, social and demographic issues: diversity and disparity; carrying capacity of the earth, man power planning and employment, issues related to economy: spatial organization of economic activities (like agriculture, industry, transport, trade etc.).

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Section C

Environment and sustainable development with a focus on man-environment relationship: regional and interregional stresses, review of policies and multiple planning: local, regional and national level with special reference to India.

Recommended Readings:

- Bhat, L.S. et al 1976: Micro-Level planning: A Case Study of Karnal Area. Haryana, K.B. Publications, New Delhi.
- Blair, J. P. and Carroll, M. C. 2009. Local Economic Development - Analysis, Practices, and Globalization. SAGE PUBLICATIONS, INC., NEW DELHI.
- Dutta, A.K., et al 2008 (eds.): Explorations in Applied Geography. Printice-Hall of India Private Limited, New Delhi.
- Friedmann, J. 1992: Empowerment: The Politics of Alternative Development. Blackwell, Oxford.
- Gupta, P., and Sdasyuk, G. 1968: Economic Regionalization of India: Problems and Prospects. Census of India, New Delhi
- Johnson, E.A.J. 1970: The Origanisation of Space in Developing Countries. Harvard University Press, Cambridge.
- Kundu, A. and Raza, M. 1982: Indian Economy, The Regional Dimension. Spectrum Publishers, New Delhi.
- Misra, R. P. (ed.) 1992: Regional Planning: Concepts, Techniques, Policies and Case Studies. 2nd edition. Concept Publishing Company., New Delhi.
- Pathak, C. R. 2003: Spatial Structure and Processes of Development in India. Regional Science Association., Kolkata.
- Raza, M. 1988: Contributions to Indian Geography. Volume X, Regional Development, Heritage Publishers, New Delhi.
- श्रीवास्तव, वी.के. 1997: प्रादेशिक नियोजन और सन्तुलित विकास। वसुन्धरा प्रकाशन, गोरखपुर।

Practicals

Scheme of examination

Min. Pass Marks: 32

Max. Marks: 80

	Marks	Time
Written test	30	3 hrs.
Field survey and viva voce	10+05	2½ hrs.
Report of socio- economic survey and viva voce	10+05	
Record and viva voce	12 + 08	
Total Marks	80	

N.B. 1. There shall be 6 questions in written paper selecting at least two questions from each section. Candidates are required to attempt 3 questions selecting 1 question from each section. All question carry equal marks.

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SYLLABUS

Section A

Map projections: bases of classification, uses and choice of projections.

Mathematical construction of map projections: cylindrical –simple, equal area and Mercator's

Section B

Conical: one standard parallel two standard parallels, Bonne's, polyconic and modified polyconic (international).

Zenithal: equidistant and equal area (Polar cases only), gnomonic, stereographic, orthographic.

Section C

Conventional: sinusoidal and Mollweide's (normal cases only).

Dumpy level: survey and contouring.

Socio-economic survey of a town/village: survey planning, data collection, compilation, analysis and interpretation, report writing

Recommended Reading:

चौहान, पी.आर. 2005: प्रयोगात्मक भूगोल। वसुधरा प्रकाशन, गोरखपुर।

Khullar, D.R. 2000: Essentials of Practical Geography. New Academic Publishing Co., Jalandhar.

Punmia, B.C. 1988: Surveying and Field Work. Laxmi Publications, New Delhi Vol. I.

Robinson, A.H. et al. 2004: Elements of Cartography. John Wiley & Sons, Inc., New York.

Rampal, K.K. 1993: Mapping and Compilation: Methods and Techniques Concept. Publishing Company, New Delhi.

शर्मा, जे.पी. 2012: प्रायोगिक भूगोल। रस्तोगी पब्लिकेशन्स, मेरठ।

Singh, R.L. and Singh RPB 1991: Elements of Practical Geography. Kalyani Publishers, New Delhi.

तिवारी, आर.सी. एवं सुधाकर, त्रिपाठी 2009: प्रयोगात्मक भूगोल। प्रयाग पुस्तक भवन, इलाहाबाद।

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