

SYLLABUS

Paper I: Geography of Asia

Section A

Asia in the context of the world, geological structure, relief, drainage system, climate and climatic regions based on Koppen and Thronthwaite. Natural vegetation and soil regions, population: distribution, density and growth; trends of urbanization.

Section B

Agriculture: main characteristics and problems of Asian agricultural; distribution and production of major crops: rice, wheat, cotton, tea, coffee, sugarcane, rubber; problems and solutions of Asian agriculture, fisheries: distribution and production; mineral resources: distribution, deposits and production of iron ore, copper, mica, aluminium; power resources: distribution, deposits and production of coal, petroleum and natural gas. Industries: distribution and production iron and steel industry, cotton textile and paper industry; transport network and international trade in Asia.

Section C

Regional geography of Japan, China, Pakistan, Turkey and Indonesia in terms of physiography, climate, drainage pattern, soils, vegetation, minerals, agriculture, industry, human resources, trade, commerce and major geographical regions.

Recommended Readings:

- Hussain, M. 2004: World Geography. Rawat Publication, Jaipur.
Johnson, D.L. et al 2012: World Regional Geography: A Development Approach. PHI Learning Pvt. Ltd., New Delhi.
ममोरिया एवं अग्रवाल 2012: एशिया का भूगोल। साहित्य भवन, आगरा।
राव, बी.पी. एवं सतपथी, डी.पी. 2002: एशिया की भौगोलिक समीक्षा। वसुन्धरा प्रकाशन, गोरखपुर।
सतपथी, डी.पी. 1995: चीन की भौगोलिक समीक्षा। वसुन्धरा प्रकाशन, गोरखपुर।
Shafi, M. 2000: Agricultural Geography of Asia. Macmillan, Delhi.
सक्सेना, एच.एम. 2010-11: विश्व का प्रादेशिक भूगोल। रस्तोगी पब्लिकेशन्स, मेरठ।
Tikkha, R.N. 1997: World Regional Geography. New Academic Publishing Company, Jalandhar.
Trewarth, G.T. 1961: Japan: A Physical, Cultural and Regional Geography. Mathu and Company, London.

Paper II: 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.

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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. NGSI, Varanasi.
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)
तिवार, आर.सी. 2012: भारत का भूगोल। प्रयाग पुस्तक भवन, इलाहाबाद।

Practicals

Scheme of Examination

Min. Pass Marks: 18

Written test
Field survey and viva voce
Record and viva voce

Bifurcation of Marks

24

10+04

08+04

Max. Marks: 50

Time

3 hrs.

2 1/2 hrs.

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- 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.

SYLLABUS

Section A

Definition, classification, uses and characteristic of map projection: (graphical constructions).

Conical projections:

1. with the one standard parallel
2. with two standard parallels
3. Bonne's
4. Polyconic

Cylindrical projections:

1. Equidistant
2. Equal Area
3. Mercator's, Universal Transverse Mercator (UTM)
4. Gall's Stereographic

Section B

Zenithal Projections: (Only Polar Case)

1. Equidistant
2. Equal Area
3. Gnomonic
4. Stereographic
5. Orthographic

Three dimensional diagrams: sphere, block pile, cube.

Section C

Plane table surveying: Equipments, procedure, traversing – open and closed traverse, methods- radial and intersection, concept of resectioning.

Height calculation using Indian pattern clinometer.

Recommended Readings:

- चौहान, पी.आर. 2005: प्रायोगिक भूगोल। वसुन्धरा प्रकाशन, गोरखपुर।
- Raisz, E. 1962: General Cartography. John Wiley and Sons, New York. 5th edition.
- Rampal, K.K. 1993: Mapping and Conflation: Methods and Techniques Concept Publishing Company, New Delhi (Reprint 2009)
- Robinson, A.H. et al. 2004: Elements of Cartography. John Wiley & Sons, Inc., New York (Sixth Edition)
- Singh, L.R. 2006: Practical Geography. Prayag Pustak Publisher, Allahabad U.P.
- Singh, R.L. and Singh, R.P.B 1991: Elements of Practical Geography. Kalyani Publisher, New Delhi (Reprint 2002)
- शर्मा, जे.पी. 2010-11: प्रायोगिक भूगोल की रूपरेखा। रस्तोगी पब्लिकेशन, मेरठ।

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