

## **B.A./B.Sc Part-III**

### **GEOGRAPHY**

Note: There will be two theory papers of 3 hours duration carrying 75 marks each, and a practical of 50 marks. Candidates will have to pass in theory and practical separately.

#### **New Examination Scheme 2015:**

<b>Part</b>	<b>Total No. Q.</b>	<b>Marks each Q.</b>	<b>Total Marks</b>
<b>A</b>	<b>10</b>	<b>1</b>	<b>10</b>
<b>B</b>	<b>5</b>	<b>7</b>	<b>35</b>
<b>C</b>	<b>3</b>	<b>10</b>	<b>30</b>
		<b>Total</b>	<b>75</b>

**Theory - Max. Marks: 75      Min marks: 27**

**Practical- Max. Marks: 50      Min marks: 18**

#### **PAPER 1**

#### **ECONOMIC GEOGRAPHY**

- Unit 1 : Nature, scope and methods of economic geography ; economic resources; their classification and conservation; fundamental occupations of man: fishing and livestock raising
- Unit 2 : Agriculture : subsistence, intensive commercial grain farming, plantation agriculture and mixed farming, dairying; principal agricultural crops: wheat, rice, maize, tea, coffee, rubber, cotton, sugarcane and sugar beet
- Unit 3 : Minerals : Iron ore, Manganese and Copper ore; Sources of power: Coal, Petroleum, Hydroelectricity and Nuclear
- Unit 4 : Industries : Iron and Steel, Cotton Textile, Pulp and Paper, Major Industrial Regions: The Lake region of U.S.A., Ruhr basin of Germany and Manufacturing belts of Japan.
- Unit5 : Transportation : Rail, Water-major ocean routes and inland waterways of Europe, former USSR; Air-factors affecting air transportation, Principal air-routes of the

world; International trade: Bases of international trade; barriers to trade and pattern of world trade

### BOOKS RECOMMENDED

- Hartshorn, T.A. and Alexander, J.W. : Economic Geography, prentice-Hall of India Pvt.Ltd.,New Delhi, 1988.
- Das, Gupta and Kapur: Adhunik Arithik va Vanijiya Bhugol, Premier Publishing Company, Delhi
- Dubey, R.N. : Economic and Commercial Geography Kitab Mahal, Allahabad
- Leong, G.C. and Morgan, G.C. : Human and Economic Geography, OUP, Oxford, 1986.
- Wheeler and Muller : Economic Geography, Jonh Wiley and Sons, N.Y. II Edition.
- Mamoria, C.B. : Arithik Vanijiya Bhugol, Gaye Prasad and Sons, Agra
- Negi, B.S. : Geography of Resources, Kedarnath Ramnath, Meerut, 1980.
- Ranner, G.T. : World Economic Geography
- Singh, A and Raza : Parkratik Sansadhan, 1980
- Singh, K.N. and Singh J. : Arithik Bhugol ke Multatva, Gyanodaya Prakashan, Gorakhpur, 1996.
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### PAPER II

#### ENVIRONMENTAL GEOGRAPHY

- Unit 1: Definition and scope of Environmental Geography : its relationship with other subjects; elements of environment; man-environment relationships, Percipient and quality of environment.
- Unit 2: Ecology: definition\scope and types; ecosystem; meaning, types; components, functioning, productivity and stability; geobiochemical cycles : Water, Carbon, Nitrogen and oxygen
- Unit 3: Environments problems: Causes, population increase; urbanisation, industrialisation, transportation, pesticides and wars; environmental pollution: air, water, soil and noise, measure for control
- Unit 4 : Environmental hazards: Ozone depletion, green house effect, El-nino, Global warming, acid rain, floods, droughts, volcanoes, earthquakes, landslides, collapse of big dams, health hazards and energy crisis
- Unit 5: Ecological basis of environmental management: sustainability of human ecosystem; conservation of natural resources: soil, water, forests, minerals and energy ; national and international efforts on environmental management; environmental education

### RECOMMENDED READINGS

Arvilla, R: Man and Environmental: Crisis and Strategy of Choice, Penguin, Hammonds – Worth, 1967.  
 Botkin, D.B. and E.A. Keller: Environmental Studies, C.F. Merrill Pub. Co. Columbus, Ohio, 1982.  
 Das Saman, R.F. : Environmental Conservation, John Wiley & Sons, New York, 1976.  
 Detwyler, R. : Man's Impact on Environment, John Wiley & Sons, New York 1972.  
 Duffey, E : Conservation of Nature, Collins, London, 1970.  
 Edington J.M. and M.A. Edington : Ecology and Environmental Planning, Champan and Hall, London,1977.  
 Furley, P.A. and W.W. Newey : Man and the Biosphere, Butterworths, London, 1983.  
 Gerasimov, I.P. : Geography and Ecology , Progress Publication, Moscow, 1983.  
 Jonathan T : Introduction to Environmental Studies Sanders College Publishing, Philadelphia Holt-Saunders, Japan, 1985.  
 M.I.T. : Study of Critical Environmental Problems, The M.I. T. Press, Cambridge, Massachusetts, 1970.  
 Park C. C. : Ecology and Environmental Management, Butterworths, London, 1980.  
 Singh, P. : Environmental Pollution and Management, Chugh Publication, Allahabad, 1985.  
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## **GEOGAPHY PRACTICAL**

### **SCHEME**

**Four Practical Periods per week per group of 20 students**

Max. Marks : 50      Min marks : 18      Duration : 6 Hrs.

		Marks
1.	Lab Work (Written paper) :	02 Hours 21 Marks
2.	Record Work & Viva-voce :	02 Hours 9+5 = 14Marks

3. Field Survey & Viva-Voce : 02 Hours 10+5=15 Marks

Total Marks: 50 Marks

Note : Each Candidate is required to complete at twenty five exercises.

Syllabus:

1. Study and interpretation of topographical sheets of typical areas of India; scheme of Indian topographical sheets with a complete knowledge of their latest version
2. Profile drawing: serial, super-imposed, composite and projected; Knowledge of vertical exaggeration
3. Geographical construction of following map projections: Cylindrical projection; Simple Cylindrical (Equidistant), Cylindrical Equal Area, Mercator; Conical Projection: One standard parallel, Two standard parallel, Bonne, Poly-Conic, Zenithal Projection ( Polar (Case only) : Equidistant, equal area, Gnomonic, Stereographic, Orthographic
4. Measure of Central Tendency : Mean, Median Mode and Standard Deviation
5. Prismatic Compass Survey: Corrections of Bearings and Closing of errors by Bowditch method

RECOMMENDED READINGS

Sing, R.L. : Elements of Practical Geography, Students Friends, Varanasi, 1987.

Singh, R. and Kanaujia, L.R.S. : Map work and Practical Geography, Central Book Depot, Allahabad.

Monkhouse, F.J. and Wilkinson, H.R. Map and Liagrams, Methudn, London 1994.

Robinson, A.H. : Elements of Cartography, Jonh Willy & Sons, New York.

Mishra, R.P.: Fundamental of cartography, Macmillan, New Delhi.

Kellay, Georgrp : Map Projections, Methuen & Co., London.

Steers, J.K. : Map Projections, University of London Press, London.

Sharma, J.P. : Prayogik Bhoogol, Rastogi Prkashan, Meerut.

Jain, S.M.: Prayogatmak, Bhoogol, Sahitya Bhawan, Agra.

**भूगोल**  
**प्रथम प्रश्न-पत्र**  
**आर्थिक भूगोल**

**New Examination Scheme 2015:**

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Duffey, E : Conservation of Nature, Collins, London, 1970.

Edington J.M. and M.A. Edington : Ecology and Environmental Planning, Champan and Hall, London,1977.

Furley, P.A. and W.W. Newey : Man and the Biosphere, Butterworths, London, 1983.

Gerasimov, I.P. : Geography and Ecology , Progress Publication, Moscow, 1983.

Jonathan T : Introduction to Environmental Studies Sanders College Publishing, Philadilphia Holt-Saunders, Japan, 1985.

M.I.T. : Study of Critical Environmental Problems, The M.I. T. Press, Cambridge, Massachusetts, 1970.

Park C. C. : Ecology and Environmental Management, Butterworths, London, 1980.

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U;qure vad : 18

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2 /k.Vs

9+5=14 vad

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10+5=15 vad

;ksx 50

vad



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