

UNIVERSITY OF NORTH BENGAL

Syllabus for B. A. General
under revised new course structure
for Part - I, Part - II and Part - III

in

GEOGRAPHY



University of North Bengal
Raja Rammohunpur, Darjeeling - 734430
West Bengal, India.

UNIVERSITY OF NORTH BENGAL
Syllabus for the Three-Year B.A. / B.Sc.
General and Honours Courses in Geography



Geography (General)

PART I	: Total marks : 150	Duration : One year
Paper I	: Physical Geography	: 50 Marks
Paper II	: Climatology & Biogeography	: 50 Marks
Paper III	: Practical (Duration of examination: three hours)	: 50 Marks.

PART II	: Total marks : 150	Duration: One year
Paper IV	: Human Geography	: 50 Marks
Paper V	: Economic Geography	: 50 Marks
Paper VI	: Practical	: 50 Marks
	(Duration of examination: 2 hours and viva voce on field report to be started after completing the written examination and duration of which should be 5 minutes each candidate)	

PART III	: Total marks : 100	Duration: One year
Paper VII	: Regional Geography of India	: 50 Marks
Paper VIII	: Practical	: 50 Marks
	(Duration of examination: 3 hours)	

Geography (Honours)

PART I	: Total marks : 200 Marks	Duration: One year
Paper I	Physical Geography	: 50 Marks
Paper II	Physical Geography	: 50 Marks
Paper III	Geography of Resources	: 50 Marks
Paper IV	Practical	: 50 Marks
	(Duration of examination: 3 hours)	

PART II	: Total marks : 200 Marks	Duration: One year
Paper V	Economic Activities	: 50 Marks
Paper VI	Population Geography	: 50 Marks
Paper VII	Settlement & Political Geography	: 50 Marks
Paper VIII	Practical	: 50 Marks
	(Duration of examination: 3 hours)	

PART III	: Total marks: 400 Marks	Duration: One year
Paper IX	Climatology	: 50 Marks
Paper X	Podology and Biogeography	: 50 Marks
Paper XI	Geography of India	: 50 Marks
Paper XII	Nature & Methodology of Geography	: 50 Marks
Paper XIII	Social & Cultural Geography	: 50 Marks
Paper XIV	Optional Paper	: 50 Marks
	(Agricultural Geography, Population Geography, Urban Geography, River Geography, Cartography, Regional Planning & Environmental Geography)	
Paper XV	Practical	: 50 Marks
	(Duration of Examination: 3 hours)	
Paper XVI	Practical	: 50 Marks

(Duration of Examination: 1 hour and after completing the written examination the viva voce will be started and duration of viva voce for each candidate should be 10 minutes)

Note:

- Duration of examination (theory) for General Course of one paper carrying 50 marks is 1 & half hour
- Duration of examination (theory) for Honours Course of one paper carrying 50 marks is 2 hours
- Number of suggested periods to be taken against topic(s) in theory papers is given within bracket

GEOGRAPHY (GENERAL)

PART I

Paper I

Physical Geography

Marks: 50

The origin and constitution of the earth: origin of the earth (1); interior of the earth (2); continental-drift theory (2)

Earth Movement: broad outlines of plate tectonics and crustal deformations (3); Folds and faults - origin, classification & landforms expressions (3).

Rocks: origin, classification and characteristics of rock; influence of the rocks on landforms and topography (5)

Hydrological system: hydrological cycle and its importance (3).

Geomorphic agents and processes: works of running water; wind, glacier and wave and the resultant topographic features; karst topography (9); the concept of fluvial cycle of erosion (2).

Suggested Readings:

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|-------------------------------------|-----------------------|
| 1. Physical Geography | : A. N. Strahler |
| 3. Physical Geography | : Enayat Ahmed |
| 4. Physical Geography | : S. Singh |
| 5. Principles of Physical Geography | : F. J. Monkhouse |
| 6. Geomorphology | : S. Singh |
| 7. Modern Physical Geography | : Strahler & Strahler |
| 8. Physical Geography | : R. N. Tikka |

Paper II

Climatology and Biogeography

Marks: 50

Elements of climate: atmospheric temperature and pressure (4); pressure belts (1); wind systems: planetary & periodic (3), monsoon (2) and local winds (1).

Atmospheric moisture: humidity, evaporation and condensation; types of rainfall and forms of precipitation (4).

Climatic classification by Köppen (2). ✓

Biogeography: definition (1), factors of soil formation (2), soil profiles (2); factors responsible for plant growth: water, light, soil and its distribution (5).

Nature of adaptation and characteristics of mangrove and xerophytes (4).

Suggested Readings:

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|---------------------------|---------------------|
| 1. Andhanik Jalvayu Didya | : P. K. Saha |
| 2. General Climatology | : H. J. Chrichfield |

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| 3. Climatology | : B. S. Lal |
| 4. A B C of Soils | : J. S. Joffe |
| 5. The Monsoon | : P. K. Das |
| 6. Biogeography | : H. Robinson |

Paper III

Practical

Marks: 50

Scale: Simple scale and scale conversion

(5 marks)

Map Projection: Cylindrical Equal Area; Gnomonic (polar case) and Simple Conical (with one standard parallel).

(15 Marks)

Geological map: simple folded structures with given dips

(10 Marks)

Interpretation of Indian Topographical maps: plains and plateaus; scale 1:50,000, (broad physiography, drainage, natural vegetation, settlement, communication and transport, simple profiles and transect chart)

(15 Marks)

Laboratory Note Book

(2 marks for laboratory note book and 3 marks for viva-voce).

(5 Marks)

Suggested Readings:

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|--|-------------------------------|
| 1. Elements of Practical Geography | : R. L. Singh & R.P. B. Singh |
| 2. Maps and Diagrams | : Monkhouse & Wilkinson |
| 3. A Text Book of Practical Geography | : M. Ishtiaq |
| 4. Practical Geography: A Systematic Approach | : A. Sarkar. |
| 5. Text Book of Practical Geography | : Md. Zulfequar Ahmed Khan. |
| 6. Map work and Practical Geography | : Gopal Singh |
| 7. Handbook of Aerial Photography & Interpretation | : K. K. Rampal |
| 8. Principles of Remote Sensing | : Curran |

PART II

Paper IV

Human Geography

Marks: 50

Human geography: Scope and contents of human geography (2); Man's adaptation of the environment: cold region (Eskimos), hot region (Bushman), Plateau (Masai), mountains (Gujjars) (8).

Population: world population distribution and factors responsible for uneven distribution, growth of world population and related problems (6).

Settlement: definition, types and characteristics of settlements (5).

Social geography: scope and content of social geography; race: characteristics and distribution (5).

Factors and characteristics of underdevelopment (4).

Suggested Readings:

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|----------------------------------|-------------------------------|
| 1. Habitat, Economy and Society | : C. D. Forde |
| 2. Human Geography | : B. S. Negi |
| 3. Human and Economic Geography | : Goh C. Leong & G. C. Morgan |
| 4. Cultural Geography | : Neytesuen |
| 5. Human Geography | : M. Hussain |
| 6. Social Geography | : Ajjazuddin Ajjaz |
| 7. A Geography of Population | : R. C. Chandana |
| 8. The Geography of Transhumance | : Rafiullah |

Paper V
Economic Geography

Marks: 50

Economic geography: scope and content of Economic Geography; concept of economic activities: primary, secondary and tertiary (4).

Agriculture: concept (1), cultivation and their association with different natural and human conditions of the following cereal crops: wheat, rice, and plantation crops: rubber (5); agricultural systems of the world: commercial grazing – cattle and sheep rearing (2).

Power resources: coal, petroleum and water (6).

Industry: factors affecting localization of industries (2); study of iron and steel and aluminium industry (4).

Resource: meaning and classification (1); infra-structural facilities for development of resources (2) and resource conservation (2).

Suggested Readings:

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|---|--------------------------------|
| 1. Habitat, Economy and Society | : C. D. Forde |
| 2. Human and Economic Geography | : Goh C. Leong & G. C. Morgan |
| 3. Cultural Geography | : Neytesuen |
| 4. Economic and Commercial Geography | : S. A. Quazi |
| 5. আঞ্চলিক ভৌগোলিক ও সাম্প্রদায়িক শাস্ত্রের
পরিচয় (1980) | : A. Chattopadhyay |
| 6. The Geography of Transhumance | : Rafiullah |
| 7. Economic Geography | : C.F. Jones & G.C. Darkenwald |

Paper VI**Practical****Marks: 50**

Enlargement and Reduction of maps (graphical method) (5 marks)

Surveying: Chain Survey, Prismatic Compass Survey (closed traverse), Plane Table Survey (intersection method) (15 Marks)

Remote Sensing: concept of remote sensing, aerial photo interpretation with the help of pocket stereoscope (10 Marks)

Field Report : (to be prepared on the basis of study of a given area on the basis of primary data); participation in fieldwork is compulsory and the report is to be duly signed by the teacher concern. Fieldwork would cover one rural mouza or an urban ward and should be based on primary data for analysis of physical and social conditions. A hand written report is to be submitted by individual student within five thousand words along with approx. 10 maps and illustrations.
(10 marks for field report, 5 marks for viva-voce) : 15

Laboratory Note Book (5 Marks)
(2 marks for laboratory note book and 3 marks for viva-voce).

Suggested Readings:

1. Elements of Practical Geography : R. L. Singh & R.P. B. Singh
2. Maps and Diagrams : Monkhouse & Wilkinson
3. A Text Book of Practical Geography : M. Ishtiaqu
4. Practical Geography: A Systematic Approach : A. Sarkar.
5. Text Book of Practical Geography : Md. Zulfiquar Ahmed Khan
6. Map work and Practical Geography : Gopal Singh
7. Handbook of Aerial Photography & Interpretation : K. K. Rampai
8. Principles of Remote Sensing : Curran

Part III**Paper VII****Regional Geography of India****Marks: 50**

Physical: relief (2), drainage (1), climate (2), soil (1) & natural vegetation – types, characteristics & distribution (3); deforestation and conservation of forest (2).

Agriculture: salient features, problems & remedial measures, agricultural regions (4)

Power resources: coal (2), petroleum (2), nuclear (1), hydroelectric (1) and non-conventional power resources – solar & wind (3).

Industry: cotton textile and iron & steel (4).

Population: growth, distribution and migration (5).

Ethnic composition: castes, tribes (*Santals, Nagas & Bhis*), race and religion (7).

Suggested Readings:

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|---|--------------------------------|
| 1. A New Approach to Economic Geography | : J. L. Guha & P. R. Chatteraj |
| 2. Economic Geography | : P. Roy and S. Mukherjee |
| 3. India | : D. R. Khullar |
| 4. Indian Industries | : National Book Trust |
| 5. India: A Regional Geography | : R. L. Singh |
| 6. Social Geography | : Aijazuddin Ahmed |
| 7. Caste & Race in India | : G. S. Ghurye |
| 8. Geography of India | : C. B. Mamoria |
| 9. Geography of India | : C. B. Mamoria |

Paper VIII

Practical

Marks: 50

Statistical methods: preparation of frequency distribution tables (2); histograms (1), frequency curve (1); frequency polygon (1), cumulative frequency curve (1); Measures of central tendency: mean (arithmetic), median and mode (3), Measures of dispersion: mean deviation & standard deviation (4).

Marks: 20

Cartograms: choropleth, proportional circles, pie graph, age-sex pyramid, chorochromatic diagram, proportional divided circle (8).

Marks: 15

Meteorological instruments: study of maximum & minimum thermometers, rain gauge, dry and wet bulb thermometers (3).

Marks: 10

Laboratory Note Book and Viva voce

Marks: 5 (3+2)

Suggested Readings:

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|---------------------------------------|--------------------------------|
| 1. Statistics | : N. M. Shah |
| 2. Statistical Methods | : S. N. Gupta |
| 3. A Text book of Practical Geography | : Md. Zulfequar Ahmed Khan |
| 4. Maps and Diagrams | : Monkhouse & Wilkinson |
| 5. Elements of Practical Geography | : R. L. Singh & R. P. B. Singh |