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UNIVERSITY OF NORTH BENGAL
B.A./B.Sc. Honours 6th Semester Examination, 2023

CC13-GEOGRAPHY

EVOLUTION OF GEOGRAPHICAL THOUGHTS

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

SECTION-I

1. Answer any *five* questions from the following:

1×5 = 5

- (a) Social space
- (b) Dualism
- (c) Cultural Region
- (d) Chorology
- (e) Father of Geography
- (f) Age of Discovery
- (g) Milieu
- (h) Die-Erdkunde.

SECTION-II

Answer any *three* questions from the following

5×3 = 15

- 2. Briefly write about the geographical contribution by Ptolemy.
- 3. Briefly describe the contribution of Carl Ritter in modern geographical thoughts.
- 4. Mention the contribution of British School in Geography.
- 5. Assess the Regional approach in geographical study.
- 6. Discuss the concept of Space in Geography.

SECTION-III

Answer any *two* questions from the following

10×2 = 20

- 7. Critically explain the possibilistic approach in Geography.
- 8. Distinguish between systematic and regional approach in Geography.
- 9. Explain the contribution of Greek Scholar in the development of geographical thought during the Ancient period.
- 10. Critically explain the Quantitative Revolution and its impact in Geography.

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UNIVERSITY OF NORTH BENGAL
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CC14-GEOGRAPHY
DISASTER MANAGEMENT

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

SECTION-I

1. Answer any *five* questions from the following:

1×5 = 5

- (a) Mud - Slide
- (b) Hazard Resilience
- (c) Risk
- (d) Evacuation
- (e) Flood mitigation
- (f) Drought
- (g) Retaining wall
- (h) Shear strain.

SECTION-II

Answer any *three* questions from the following

5×3 = 15

- 2. Explain in short various types of hazards.
- 3. Discuss the vulnerability assessment in hazard study.
- 4. Explain the consequences of earthquake in the Himalayan region.
- 5. Define fire hazard. Explain various methods of fire hazard management.
- 6. Mention various factors responsible for landslides.

SECTION-III

Answer any *two* questions from the following

10×2 = 20

- 7. Explain the causes and effect of flood hazard in a river basin.
- 8. Explain various methods applied for management of landslides in Darjeeling Himalaya.
- 9. Discuss various causes of river bank erosion and mention its various processes of management.
- 10. Explain the causes and management processes of chemical disaster.

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UNIVERSITY OF NORTH BENGAL

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DSE-P3-GEOGRAPHY

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

Students have to choose either Option A or B

OPTION-A

ADVANCED CARTOGRAPHY

SECTION-I

1. Explain / Define any *five* from the following:

1×5 = 5

- (a) Gnomon
- (b) Contouring
- (c) Standard Parallel
- (d) Developable Surface
- (e) Line of Collimation
- (f) Passive Sensor
- (g) Pixels
- (h) Stadia.

SECTION-II

Answer any three questions from the following

5×3 = 15

- 2. Trace the evolution of cartographic knowledge in Medieval period. 5
- 3. What are the methods involved in finding distance of base by theodolite without measuring tape? 5
- 4. Classify perspective projection on the basis of source of light. 5
- 5. Mention the basic principles and uses of Universal Transverse Mercator's Projection. 5
- 6. Present a description of different bands used in Remote Sensing. 5

SECTION-III

Answer any two questions from the following

10×2 = 20

- 7. Write on the properties and derivations of Polar Zenithal Equidistant Projection. 3+7
- 8. Derive the fundamental equations on Simple Conical Projection with two standard parallels. 10

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| 9. | Derive the formula for determination of height of any object if the ground is levelled and base is inaccessible by using transit theodolite. | 10 |
| 10. | Explain the various applications of GIS. | 10 |

OPTION-B
POLITICAL GEOGRAPHY

SECTION-I

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| 1. | Explain / Define any <i>five</i> from the following: | 1×5 = 5 |
| | (a) Stateless nation | |
| | (b) Midland basin | |
| | (c) Geopolitics | |
| | (d) Frontier | |
| | (e) Geometric Boundary | |
| | (f) Forced displacement | |
| | (g) Enclave | |
| | (h) Rehabilitation. | |

SECTION-II

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| | Answer any <i>three</i> questions from the following | 5×3 = 15 |
| 2. | Write an account on the nature and scope of political geography. | 5 |
| 3. | Write a note on nation-state concept. | 5 |
| 4. | Give an account on Spykman's Rimland Theory. | 5 |
| 5. | Why Nepal is called a buffer state between India-China? | 5 |
| 6. | What do you understand by the politics of displacement? | 5 |

SECTION-III

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| | Answer any <i>two</i> questions from the following | 10×2 = 20 |
| 7. | Describe the Geo-strategic idea of H. J. Mackinder in the light of his concept of pivot area and strategic heartland. | 10 |
| 8. | How frontier differs from boundary? Attempt a classification of boundary. | 3+7 |
| 9. | 'Nation-State-Territory relationship is the central organizing principle of the Political Geography' – Explain. | 10 |
| 10. | Write a note on water-sharing disputes in India. | 10 |

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DSE-P4-GEOGRAPHY

Time Allotted: 2 Hours

Full Marks: 40

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Students have to choose either Option A or B

OPTION-A
HYDROLOGY AND OCEANOGRAPHY

SECTION-I

1. Explain / Define any *five* from the following: 1×5 = 5
- (a) Thalweg
 - (b) Vadose Zone
 - (c) Sub-Surface run off
 - (d) Evapo-transpiration
 - (e) Romanche trench
 - (f) Ooze
 - (g) Terrigenous sediments
 - (h) Challenger depth.

SECTION-II

Answer any *three* questions from the following 5×3 = 15

- 2. Explain how porosity and permeability of rocks affect surface runoff. 5
- 3. What is drought? What causes droughts? 5
- 4. What are the basic factors affecting the distribution of temperature of the Oceans? 5
- 5. Classify coral reefs with suitable diagrams. 5
- 6. Write any one subsidence theory regarding the origin of coral reefs. 5

SECTION-III

Answer any *two* questions from the following 10×2 = 20

- 7. Give an account on the global hydrological cycle and explain the human impact on the hydrological cycle. 6+4
- 8. Define infiltration. Briefly discuss the factors affecting infiltration. 2+8

9. What do you mean by Oceanic Salinity? Explain the factors affecting salinity of the ocean water. 2+8
10. Give an account on the oceanic resources. 10

OPTION-B
SOCIAL GEOGRAPHY

SECTION-I

1. Explain / Define any *five* from the following: 1×5 = 5
- (a) Social Entity
 - (b) Social Mobility
 - (c) Gothic
 - (d) Shintoism
 - (e) Cephalic Index
 - (f) International Migration
 - (g) Nordic
 - (h) Shanty town.

SECTION-II

Answer any *three* questions from the following

5×3 = 15

- 2. Write in brief about the origin of social geography.
- 3. Write a short note on Buddhism as a religious entity in India.
- 4. Find out the economic consequences of international migration.
- 5. Mention the indicators of social wellbeing.
- 6. What are the characteristics of slums in India?

SECTION-III

Answer any *two* questions from the following

10×2 = 20

- 7. Discuss in detail about the scope and content of social geography.
- 8. What are the basis of classification of races? Write a note on Mongoloid race in India.
- 9. Discuss the role of caste and class on Indian society with examples.
- 10. Explain the causes of different types of migration in developing countries.

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