



‘समानो मन्त्रः समितिः समानी’

UNIVERSITY OF NORTH BENGAL
B.A./B.Sc. Honours 6th Semester Examination, 2024

DSE-P3-GEOGRAPHY

MODIFIED SYLLABUS

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

Students have to choose either Option-A or Option-B

OPTION-A

ADVANCED CARTOGRAPHY

SECTION-I

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

1×5 = 5

- (a) Vertical Axis
- (b) Vernier constant
- (c) Intermediate Sight
- (d) Geodetic Survey
- (e) GTS
- (f) Rhumb line
- (g) Sun-Synchronous Satellite
- (h) Nadir point.

SECTION-II

Answer any *three* questions from the following

5×3 = 15

- 2. What are the advantages of Universal Transverse Mercator's Projection?
- 3. Differentiate between Satellite Imageries and Aerial photographs.
- 4. What are the components of Remote Sensing?
- 5. What are the demerits of Cubic Development of Gnomonic Projection?
- 6. What are the differences between Surveying and Levelling?

SECTION-III

Answer any *two* questions from the following

10×2 = 20

- 7. Briefly describe the Scope of Cartography as a discipline.

8. Explain the Techniques of Digital Image Processing.
9. Derive the fundamental equation of Simple conical projection with two standard parallels.
10. What are the applications of G.I.S?

OPTION-B

POLITICAL GEOGRAPHY

SECTION-I

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

1×5 = 5

- (a) Nation-State
- (b) Consequent Boundary
- (c) Geographical Pivot
- (d) BRICS
- (e) Rimland
- (f) Geo-politics
- (g) Displacement
- (h) Rehabilitation.

SECTION-II

Answer any *three* questions from the following

5×3 = 15

2. Differentiate between frontier and boundary. 5
3. Write a short note on Heartland Theory by Mackinder. 5
4. Define State. Write a short note on attributes of state. 1+4
5. Discuss in detail the bases of reorganization of Indian states after independence. 5
6. What do you understand by politics of displacement? 5

SECTION-III

Answer any *two* questions from the following

10×2 = 20

7. Write a short note about the scope and content of Political Geography. 10
8. Critically evaluate the water-sharing disputes in India with suitable examples. 10
9. Critically evaluate the issues of relief during displacement. 10
10. Describe the geo-strategic idea of Spykman in the light of his concept Rimland Theory.

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