



'সমানো মন্ত্র: সমিতি: সমানী'

**UNIVERSITY OF NORTH BENGAL**

B.A./B.Sc. Honours 1st Semester Examination, 2023

**CC1-GEOGRAPHY**

**GEOTECTONIC**

**OLD SYLLABUS [For students with registration session 2018-2019 to 2020-2021]**

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.*

**SECTION-I**

1. Define any **five** from the following: 1×5 = 5
- (a) Pangea
  - (b) Subduction zone
  - (c) Diastrophism
  - (d) Gliptogenesis
  - (e) Recumbent fold
  - (f) Core
  - (g) Carboniferous
  - (h) Paleomagnetism.

**SECTION-II**

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

- 2. Write a short note on 'Gravitational Anomaly'. 5
- 3. Elaborate the concept of 'Graben' with suitable diagram. 5
- 4. Define 'Seismic Waves'. Discuss various types of Seismic Waves. 2+3
- 5. Differentiate between the Mohorovicic Discontinuity and the Gutenberg Discontinuity with suitable diagrams. 5
- 6. Discuss the various evidences of continental drift theory. 5

**SECTION-III**

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

- 7. Define 'Geological Time Scale'. Explain the salient features of the Paleozoic and Cenozoic era. 2+4+4
- 8. Explain the theory of Isostasy according to Airy and Pratt. 5+5
- 9. Define Fault. Explain in detail the various types of fault with suitable diagrams. 2+8
- 10. Elaborate the concept of 'Sea floor Spreading' as suggested by H. Hess. 10

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