



‘समानो मन्त्रः समितिः समानी’

**UNIVERSITY OF NORTH BENGAL**  
B.A./B.Sc. Major 1st Semester Examination, 2024

**GEOGMAJ101-GEOGRAPHY**

**GEOTECTONIC**

Time Allotted: 2 Hours 30 Minutes

Full Marks: 60

*The figures in the margin indicate full marks.*

**SECTION-I**

1. Answer any *five* from the following:

2×5 = 10

- Gravity Anomaly
- Moho discontinuity
- Nappe
- Benioff Zone
- Devonian Era
- Pyroclastic Rock
- Median Mass
- Polar Wandering.

**SECTION-II**

Answer any *four* from the following

5×4 = 20

- Write a short note on Cenozoic Era.
- Make a short note on characteristics of Sedimentary Rock.
- Differentiate between fold and fault.
- Briefly mention the theory of Geosyncline as proposed by Kober.
- Mention the concept of Sea-Floor Spreading as proposed by Harry Hess.
- Discuss in brief the Pacific ring of fire.

**SECTION-III**

Answer any *three* questions from the following

10×3 = 30

- Explain the theory of Isostasy as proposed by Pratt.
- Discuss the internal structure of the earth with suitable diagrams.
- Critically discuss the Thermal Convection Current theory of Holmes.
- Discuss in detail the theory of Plate tectonics.
- Explain the resultant landforms of folding with suitable diagram.

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