



**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:  $2 \times 5 = 10$

- (a) Gravity Anomaly
- (b) Moho discontinuity
- (c) Nappe
- (d) Benioff Zone
- (e) Devonian Era
- (f) Pyroclastic Rock
- (g) Median Mass
- (h) Polar Wandering.

**SECTION-II**

**Answer any *four* from the following**

$5 \times 4 = 20$

- 2. Write a short note on Cenozoic Era. 5
- 3. Make a short note on characteristics of Sedimentary Rock. 5
- 4. Differentiate between fold and fault. 5
- 5. Briefly mention the theory of Geosyncline as proposed by Kober. 5
- 6. Mention the concept of Sea-Floor Spreading as proposed by Harry Hess. 5
- 7. Discuss in brief the Pacific ring of fire. 5

**SECTION-III**

**Answer any *three* questions from the following**

$10 \times 3 = 30$

- 8. Explain the theory of Isostasy as proposed by Pratt. 10
- 9. Discuss the internal structure of the earth with suitable diagrams. 10
- 10. Critically discuss the Thermal Convection Current theory of Holmes. 10
- 11. Discuss in detail the theory of Plate tectonics. 10
- 12. Explain the resultant landforms of folding with suitable diagram. 10

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