

2016

GEOGRAPHY

[Honours]

PAPER – I

Full Marks : 90

Time : 4 hours

*The figures in the right hand margin indicate marks
Candidates are required to give their answers in their
own words as far as practicable
Illustrate the answers wherever necessary*

[NEW SYLLABUS]

GROUP – A

[Long Answer Type Questions]

**Answer any five questions, selecting
one from each Unit within 500 words : 10 × 5**

(Turn Over)

UNIT--I

1. Discuss the isostatic adjustment of different earth's unit according to Pratt and Airy. 5 + 5

Or

Critically discuss Modern Nebula Hypothesis for the origin of the earth. Classify igneous rocks according to chemical composition with examples. 6 + 4

UNIT-- II

2. Bring out the relationship between plate tectonics and origin of fold Mountains. 10

Or

Classify major faults and mention their surface expression. 6 + 4

UNIT-- III

3. Explain the evolution of landform as proposed by W. Penck and mention its difference from Davisian concept. 10

Or

Examine critically the evolution of landform on uniclinal structure with proper illustrations. 10

UNIT-IV

- 4. Give a reasoned account of the topographical features resulting from marine deposition with suitable diagrams. 10**

Or

Discuss different mechanisms of periglacial processes and resultant landforms. 4 + 6

UNIT-V

- 5. Evaluate the significance of run-off cycle to determine water availability. How do hydrostatic characters differ between confined and unconfined aquifer? 3 + 7**

Or

Discuss the salient features of different types of oceanic mud and oozes. Why are the oceanic deposits becoming economically important?

7 + 3

GROUP – B

[Semi-Long Answer Type Questions]

Answer any five questions, selecting one from each Unit within 250 words : 4 × 5

UNIT – I

6. Describe the hardness scale for minerals citing examples. 4

Or

Discuss major geological events of Cenozoic era.

UNIT – II

7. Briefly explain the geosyncline orogen theory of mountain building. 4

Or

How does earthquake cause Tsunami ? Give example.

UNIT—III

8. Find out the relation between weathering and climate with example. 4

Or

Briefly explain the dynamic equilibrium theory of landform evolution.

UNIT—IV

9. Discuss the favourable conditions responsible for the development of largest delta in the Sundarban. 4

Or

Distinguish between Yardang and Zeugen.

UNIT-V

10. Distinguish between spring tide and neep tide ? 4

Or

Mention the factors influencing infiltration.

GROUP - C

[Short -Answer Type Questions]

Answer any ten questions, selecting from the following each within 50 words : 2 × 10

11. What is Gutenberg Discontinuity ? 2
12. Mention the salient features of Plutonic igneous rock. 2
13. What is triple junction ? 2
14. What is the difference between true and apparent dip ? 2
15. Define Nappe. 2

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| 16. Define inversion of relief. | 2 |
| 17. Define geosyncline. | 2 |
| 18. What is Transform fault ? | 2 |
| 19. What is interruption in fluvial cycle ? | 2 |
| 20. Mention the salient features of Hogback. | 2 |
| 21. Name the types of tides. | 2 |
| 22. What is evapotranspiration ? | 2 |
| 23. What are the major geological events occurred during the tertiary period ? | 2 |
| 24. What is benioff zone ? | 2 |
| 25. Define river basin. | 2 |