

2017

**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*

**GROUP — A**

[Long -Answer Type Questions ]

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

**UNIT— I**

1. How do the seismic waves help to identify the earth's interior? Illustrate your answer with suitable diagrams. 10

( Turn Over )

( 2 )

*Or*

Analyze the role of controlling factors in metamorphism of rocks with suitable examples. Name the major silicate minerals with their chemical composition. 6 + 4

UNIT – II

2. Discuss the evidences in support of Continental drift theory with suitable illustrations. 10

*Or*

Critically analyse the evolution of landform on a faulted structure with illustration. 10

UNIT – III

3. Classify mass movement and briefly illustrate the landforms resulted from mass movement. 10

( 3 )

*Or*

Discuss the different systems in geomorphology. How do these systems respond to different stages of a river basin? 4 + 6

UNIT-IV

4. Discuss the Coastal erosional processes and the resultant depositional landforms. 3 + 7

*Or*

Describe the landforms developed in different stages of Aeolian cycle of erosion. 10

UNIT-V

5. Elucidate the global hydrological cycle with suitable diagrams. 10

*Or*

Analyse the role of different controlling factors on infiltration. 10

( 4 )

GROUP – B

[Smi-Long Answer Type Questions ]

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

UNIT – I

6. Classify mineral with suitable examples.

*Or*

How does the Law of Compensation maintain isostatic adjustment ?

UNIT – II

7. Classify geosynclines with examples.

*Or*

Discuss the importance of Jig-Saw-Fit as a proof for the Continental Drift Theory.

UNIT – III

8. What are the main causes of interruption in the fluvial cycle ?

( 5 )

*Or*

"Most of the landforms possess complex evolutionary history"—Elucidate.

UNIT—IV

9. Classify moraines with suitable diagrams.

*Or*

Distinguish between the dune of coasts and deserts.

UNIT—V

10. Briefly describe the factors affecting the evaporation.

*Or*

Why is river basin considered as the Hydrological unit.

( 6 )

**GROUP – C**

**[Short Answer Type Questions ]**

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

- 11. What is the source of geothermal energy ?**
- 12. Distinguish between extrusive and intrusive igneous rocks.**
- 13. What is obsidian ?**
- 14. State Heiskanen's view in support of Airy's theory.**
- 15. Differentiate Oceanic crust and Continental crust.**
- 16. What is plutonic earthquake ?**
- 17. Differentiate normal and reverse fault.**
- 18. What is Median Mass ?**

19. What is the thermal stress of weathering ?
  20. What is weathering rind ?
  21. What is Castle Kapjie ?
  22. Differentiate fault scarp and fault-line scarp.
  23. Differentiate incised and ingrown meander.
  24. What do you mean by graded streams ?
  25. Define the term 'ooze'.
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