

2020

GEOGRAPHY**[HONOURS]****Paper : I****[OLD SYLLABUS]**

Full Marks : 75

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.***GROUP–A****(Geotectonics)****(Marks : 35)**

1. Answer any **three** of the followings : $1 \times 3 = 3$
 - a) What is tensional force?
 - b) What is panthalasa?
 - c) What is Milky way?
 - d) What is polar wandering?
 - e) What is nappe?
2. Answer any **five** of the followings : $2 \times 5 = 10$
 - a) Define strike and dip.
 - b) What is isostatic equilibrium?
 - c) What is meant by fissure eruption?

- d) Distinguish between plate margin and plate boundary.
 - e) What is Laurasia?
 - f) What is jigsaw fit?
 - g) Mention the principles of Daly's isostatic hypothesis of antiroots.
 - h) What is paleomagnetism?
3. Answer any **two** of the followings : $6 \times 2 = 12$
 - a) Distinguish between normal fault and reverse fault with suitable diagrams.
 - b) Mention the major drawbacks of Wegner's continental drift theory.
 - c) Explain the Planetesimal Hypothesis for the origin of the earth.
 4. Answer any **one** of the followings : $10 \times 1 = 10$
 - a) Explain the origin of the Himalayan mountains with reference to plate tectonic theory.
 - b) Discuss the major characteristics of Mesozoic and Cenozoic Eras.

GROUP-B
(Geomorphology)
(Marks : 40)

5. Answer any **two** of the followings : $1 \times 2 = 2$
- a) What is snow line?
 - b) What is stream piracy?
 - c) What is denudation?
 - d) What is lithology?
6. Answer any **two** of the followings : $2 \times 2 = 4$
- a) Distinguish between spit and tombolo.
 - b) What is hydration?
 - c) Differentiate corrasion from corrosion.
 - d) Define applied geomorphology.
7. Answer any **four** of the followings : $6 \times 4 = 24$
- a) Identify the negative aspects of Davisian normal cycle of erosion.
 - b) Explain the formation of different types of sand dunes.
 - c) Describe the landforms produced by glacio-fluvial deposits.

- d) Discuss the major landforms produced by glacial erosion.
 - e) Illustrate the interruptions of normal cycle of erosion.
 - f) Explain the major mechanical weathering processes that dominate in arid environment.
8. Answer any **one** of the followings : $10 \times 1 = 10$
- a) Describe the major erosional landforms produced by aeolian process.
 - b) Discuss the development of drainage and landforms in a region of uniclinal structure.
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