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3 (Sem-1) GGY M2

2021

(Held in 2022)

GEOGRAPHY

(Major)

Paper : 1-2

(Basis of Geomorphology)

Full Marks : 60

Time : Three hours

The figures in the margin indicate full marks for the questions.

Answer all questions.

1. Choose the correct option of the following :

1×7=7

- (a) Which of the following is not an aeolian processes ?
- (i) Deflation
 - (ii) Abrasion
 - (iii) Corrosion
 - (iv) Attrition

Contd.

(b) Which are the two main materials found at the earth's core ?

- (i) nickel and copper
- (ii) nickel and ferrous
- (iii) copper and ferrous
- (iv) ferrous and lime

(c) Which of the following is formed by the erosional work of a river ?

- (i) Gorge
- (ii) Floodplain
- (iii) Alluvial fan
- (iv) Delta

(d) River capture is the most important characteristic feature of

- (i) youthful stage
- (ii) mature stage
- (iii) old stage
- (iv) mature and old stage

(e) Which of the following is not a major plate ?

(i) Africa

(ii) Eurasia

(iii) Antarctica

(iv) Arabian

(f) Deflation basins are found in *glacial/* *coastal/ fluvial/* environment.

(g) Seismic waves are recorded with the help of an instrument, known as

(i) barograph

(ii) climograph

(iii) hythergraph

(iv) seismograph

2. Write very briefly on the following :

2×4=8

(a) Fluvial geomorphology

(b) Sial layer

(c) Natural levee

(d) Eustatism

3. Answer **any three** of the following : $5 \times 3 = 15$

- (a) Describe the place of geomorphology in Physical Geography.
- (b) What is Seismograph? How does it help in studying the earthquake waves?
- (c) Write a short note on the origin of rift valley.
- (d) Distinguish between alluvial fans and alluvial cones.
- (e) Write the causes of plate motion.

4. Answer **any three** questions : $10 \times 3 = 30$

- (a) Discuss the continental drift theory by Alfred Wegener.
- (b) Define Physical Geography. Explain its nature and scope.
- (c) Discuss in detail the normal cycle of erosion.
- (d) Define plains. Explain different types of depositional plains with examples.
- (e) What is Earthquake? Explain the causes and effects of earthquakes on men and earth surface.