

Total number of printed pages-4

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.