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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 : 5×3=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 : 10×3=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.