3 (Sem – 1/CBCS) GGY HC 1

2023

GEOGRAPHY

(Honours Core)

Paper : GGY–HC–1016

(Geomorphology)

Full Marks : 60

Time : Three hours

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

1. Answer the following objective type questions : 1×7=7

   (a) Who is the father of geomorphology ?

   (b) Rift valley is formed due to _____.

       (i) wrapping

       (ii) faulting

       (iii) folding

       (iv) erosion

(c) What is the density of the core of the Earth ?

(d) Inselburg is associated with _____

    (i) glacial erosion

    (ii) wind erosion

    (iii) river erosion

    (iv) sea waves erosion

(e) Moho discontinuity is found in between _____ and _____.

(f) Name the most destructive wave of earthquake.

(g) Who proposed the concept of cycle of erosion ?

2. Answer the following very short answer-type questions :   2×4=8

(a) What is weathering ?

(b) Name *two* endogenetic forces for landform development.

(c) Name *two* natural factors of mass wasting.

(d) Name *two* erosional landforms created by glacier.

3. Answer the following short answer type questions : *(any three)*   5×3=15

(a) Distinguish between endogenetic and exogenetic forces of landform development.

(b) Write the scope of geomorphology.

(c) Define mass wasting. What are the various types of mass wasting ?

(d) Explain the Airy's view on isostasy.

(e) Explain the characteristics of geosyncline.

4. Answer the following questions : *(any three)*   10×3=30

(a) Discuss critically the Wegner's continental drift theory.   8+2=10

(b) Explain the various depositional features created by rivers.

(c) Discuss in detail the characteristics of the different layers of the earth's interior with neat diagram.

(d) How are folds formed ? Discuss the major types of fold.   3+7=10

(e) What are the various types of volcanoes ? Discuss the influence of volcanism on landform development.   5+5=10

(f) What is plate tectonics ? State the various causes of plate motion.

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