

3 (Sem-1/CBCS) GGY HC 1

2 0 1 9

GEOGRAPHY

(Honours)

Paper : GGY-HC-1016

(Geomorphology)

Full Marks : 60

Time : 3 hours

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

1. Answer/Choose the correct option from the following : 1×7=7
- (a) Who gave the concept that landform is a function of structure, process and stage?
 - (b) Give an important definition of geomorphology.
 - (c) 'Natural levees' are formed due to
 - (i) erosional processes
 - (ii) depositional processes
 - (iii) deflation processes
 - (iv) endogenetic processes

(2)

- (d) Which one of the following is not created by tensional forces?
- (i) Fault
 - (ii) Fracture
 - (iii) Fold
 - (iv) Crack
- (e) The density of the core of the earth is around
- (i) 9.7
 - (ii) 11.0
 - (iii) 2.9
 - (iv) 4.7
- (f) 'Line of compensation' is a term associated with the theory of
- (i) Kober
 - (ii) Holmes
 - (iii) Isostasy
 - (iv) Landform development
- (g) A cirque is a/an
- (i) aeolian landform
 - (ii) fluvial landform
 - (iii) oceanic landform
 - (iv) glacial landform

(3)

2. Answer the following questions in short : $2 \times 4 = 8$

- (a) Name two erosional features found in the youthful stage of a river course. 2
- (b) Mention two characteristics of the sima layer. 2
- (c) What is mass wasting? Give an example. $1+1=2$
- (d) Give examples of two endogenetic forces. 2

3. Answer any *three* of the following questions :

$5 \times 3 = 15$

- (a) Write a note on the nature of geomorphology.
- (b) How does plate tectonics occur? Explain.
- (c) Describe different types of weathering processes with examples.
- (d) Give a description of the structure of volcano with suitable diagram.
- (e) Describe the structure and constituent elements of the earth's crust with neat diagram.

4. Answer any *three* of the following questions :

10×3=30

- (a) Discuss the views of Holmes relating to mountain building with diagrams.
- (b) State the concept and functions of the 'normal cycle of erosion' as advocated by W. M. Davis.
- (c) Describe the landforms developed due to faulting with necessary diagrams.
- (d) Discuss the need of study of geomorphology in the light of its scope.
- (e) Describe the landforms developed under aeolian cycle of erosion.
