

**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

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- (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

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( Continued )

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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.

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( Turn Over )

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.

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