

2019

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? 11  
7x4=28

(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

(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

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. 2
- (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.

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