3 (Sem–1/CBCS) GGY HC 1

2022

GEOGRAPHY

(Honours)

Paper : GGY–HC–1016

(Geomorphology)

Full Marks : 60

Time : Three hours

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

1. Answer/Choose the correct answer/option of the following : ***(any seven)*** 1×7=7

   (a) What is relief?

   (b) 'Foreland' is a term associated with
   - *(i)* isostasy
   - *(ii)* continental drift theory
   - *(iii)* Kober's theory
   - *(iv)* Convection current theory

   (c) What is soil creep?

(d) Define 'Geomorphology'.

(e) The theory of landscape development was propounded by W. M. Davis in
   (i) 1899
   (ii) 1889
   (iii) 1885
   (iv) 1888

(f) Cirque is a landform of
   (i) aelian origin
   (ii) fluvial origin
   (iii) periglacial origin
   (iv) glacial origin

(g) What are gorges ?

(h) Name the landform developed due to tensional force.

(i) What is solifluction ?

(j) Name *any one* of the major tectonic plates of the earth.

(k) Give an example of endogenetic force.

(l) Who gave the concept of 'convective currents' ?

2. Answer the following questions in very short : ***(any four)*** 2×4=8

(a) How are faults formed ?

(b) Mention *two* characteristics of geosynclines.

(c) What are convective currents ?

(d) Mention *two* sub-branches of geomorphology.

(e) Mention the characteristics of levees.

(f) Define geomorphic processes.

(g) Mention *two* effects of volcanic eruption.

(h) What is pediplain ?

3. Answer ***any three*** of the following questions : 5×3=15

(a) Explain the depositional processes in arid region.

(b) Distinguish between weathering and erosion with examples.

(c) State how folds are formed and mention the major types of folds.

(d) Discuss the factors responsible for occurrence of earthquakes.

(e) Explain the process of mass wasting and classify the various types of mass movements.

(f) Explain the process of peneplain formation.

(g) Explain the significance of geomorphology.

(h) State the processes of sand dune formation.

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

(a) Describe the characteristics of different layers of the interior of the earth with a neat diagram.

(b) Present a comparative note on the views of Penck and Davis on landform development.

(c) Explain the concepts and ideas associated with the theory of isostasy with necessary diagrams.

(d) How do volcanoes occur ? Describe the components of volcanoes with neat diagrams.

(e) Discuss the recent trends of geomorphology with examples.

(f) Discuss the exogenetic forces responsible for landform development.

(g) Explain with diagrams how continents are drifted.

(h) State how the study of earthquake waves helps to understand the characteristics of the interior of the earth.
