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**3 (Sem- 1/CBCS) GGY HC 1**

**2020**

**(Held in 2021)**

**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 questions :  $1 \times 7 = 7$

- (a) What is geosyncline ?
- (b) The term 'Epicentre' is associated with
- (i) Earth's interior
  - (ii) Earthquake
  - (iii) Volcano
  - (iv) River course.

*Contd.*

- (c) Faulting occurs due to
  - (i) Gravitational force
  - (ii) Earth's rotational force
  - (iii) Compressional force
  - (iv) Tensional force.
- (d) What is the crater of a volcano ?
- (e) The Indian Plate has its margin with
  - (i) Pacific Plate
  - (ii) African Plate
  - (iii) Eurasian Plate
  - (iv) American Plate.
- (f) What is solifluction ?
- (g) The term 'Foreland' is associated with
  - (i) Kober's Theory
  - (ii) Cycle of Erosion
  - (iii) Theory of Holmes
  - (iv) Isostasy.

2. Answer the following questions in short :  
2×4=8

- (a) Give example of *one* erosional and *one* depositional landforms developed under fluvial actions.

- (b) Distinguish between terminal moraines and lateral moraines.
- (c) Give *two* examples of biological weathering.
- (d) Name *four* agents of exogenetic processes.
3. Answer ***any three*** of the following questions : 5×3=15
- (a) Distinguish between weathering and erosion with suitable examples.
- (b) Explain the causes of plate motion with suitable diagrams.
- (c) State how the rivers create their floodplains.
- (d) Describe the characteristics of the 'sial' and 'sima' layers.
- (e) Write a note on the endogenetic processes occurring within the earth.
4. Answer ***any three*** of the following questions : 10×3=30
- (a) State the scope and significance of Geomorphology with examples.

- (b) Discuss the theory of Isostasy with neat diagrams.
- (c) Explain the Continental Drift Theory with necessary diagrams.
- (d) Describe the types of mass wasting with examples.
- (e) Discuss the ideas and concept of landform development as suggested by Davis or Penck with diagrams.



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**3 (Sem- 1/CBCS) GGY HC 2**

**2020**

**(Held in 2021)**

**GEOGRAPHY**

(Honours )

Paper : GGY-HC-1026

***( Cartographic Techniques )***

*Full Marks : 60*

Time : Three hours

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

1. Answer the following questions very objectively : 1×7=7
  - (a) Name the shape of the earth with polar flattening.
  - (b) What is the surface area of the earth ?
  - (c) What is the length of the equatorial diameter of the earth ?

*Contd.*

- (d) Give an example of qualitative thematic map.
- (e) What is central meridian ?
- (f) What is colatitude ?
- (g) What is the source of light in stereographic projection ?
2. Answer the following questions in very short :  
2×4=8
- (a) What is coordinate system ?
- (b) What is orthomorphic projection ?
- (c) Mention *two* characteristics of quantitative thematic map.
- (d) What is hypsometric map ?
3. Answer **any three** of the following questions in short :  
5×3=15
- (a) Briefly discuss the importance of digital cartography.
- (b) Mention the basic properties and utilities of cylindrical projection.
- (c) Explain the basic difference between meridian and longitude.

(d) Write a note on Zenithal group of map projection and its classification scheme.

4. Discuss the importance of cartography in geographical study. 10

**OR**

Compare the advantages and disadvantages of the traditional and modern cartography. 10

5. What is conical projection ? Mention its basic properties and utilities. 2+8=10

**OR**

Explain how line data relating to geographical phenomena are represented in a map. 10

6. What is thematic mapping? Mention its basic problems. 2+8=10

**OR**

Write a note on choice of map projection with reference to geographical distribution in the equatorial region. 10