

U.G. 1st Semester Examination - 2020**GEOGRAPHY****[HONOURS]****Course Code : GEO-H-CC-T-01****(Geotectonics and Geomorphology)****[NEW SYLLABUS under CBCS]**

Full Marks : 60

Time : 2½ Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.***UNIT-1****(Geotectonics)****[Marks : 20]**

1. Answer any **three** from the following: $2 \times 3 = 6$
- What is Rayleigh wave?
 - Define reverse fault.
 - What is meant by the term line of compensation in isostasy?
 - What is fault scrap?
 - What is dip?

[Turn Over]

2. Answer any **one** from the following: $4 \times 1 = 4$
- Give the concept of Benioff zone.
 - Mention the major characteristics of Cenozoic Era.
3. Answer any **one** from the following: $10 \times 1 = 10$
- Give the characteristics of major types of folds with suitable diagrams.
 - Discuss the salient features of the earth's interior with special reference to seismic waves.

UNIT-2**(Geomorphology)****[Marks : 40]**

4. Answer any **seven** from the following: $2 \times 7 = 14$
- What is tombolo?
 - What is stack?
 - What is nunatak?
 - What is zeugen?
 - Define stream piracy.
 - What is rejuvenation?

- g) What is oxidation?
- h) What is soil creep?
- i) What is incised meander?
- j) What is mudflow?
- k) Define graded river.

5. Answer any **four** from the following: $4 \times 4 = 16$

- a) Outline the formation of loess.
- b) Specify any two scopes of Geomorphology.
- c) Explain exfoliation weathering with diagram.
- d) Distinguish between pediment and bajada.
- e) Explain the formation of drumlins.
- f) Differentiate abrasion from corrosion.

6. Answer any **one** from the following: $10 \times 1 = 10$

- a) Illustrate the Penck model of landscape evolution with suitable diagrams.
- b) Discuss the major erosional landforms produced in Karst region with suitable diagrams.
