

252/Geog.

UG/1st Sem/GEO(H)CC-01-T/19

U.G. 1st Semester Examination $\frac{1}{2}$ 2019

GEOGRAPHY

[HONOURS]

Course Code : GEO(H)CC-01-T

Geotectonics and Geomorphology

Full Marks : 60

Time : $2\frac{1}{2}$ 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-I

(Geotectonics)

[Marks : 20]

1. Answer any **three** from the followings: $2 \times 3 = 6$

- a) Define thrust plane.
- b) What is plutonic earthquake?
- c) What is *synclinatorium*?
- d) Define normal fault.
- e) What is lithosphere?

2. Answer any **one** from the followings: $4 \times 1 = 4$

- a) Mention the major characteristics of Mesozoic Era.

[Turn Over]

- b) Differentiate *P waves* from *S waves*.
3. Answer any **one** from the followings: 10×1=10
- a) Distinguish between the Airy's and Pratt's models on Isostasy.
- b) Describe the major extrusive volcanic landforms with suitable diagrams.

UNIT-II

(Geomorphology)

[Marks : 40]

4. Answer any **seven** from the followings: 2×7=14
- a) What is *rock creep*?
- b) What is *peneplain*?
- c) What is *landslide*?
- d) What do you mean by *polycyclic* landforms?
- e) What is *endrumpf*?
- f) What is *carbonation*?
- g) What is *fault line scarp*?
- h) What is *nick point*?

- i) What do you mean by *blind valley*?
 - j) What is *longshore bar*?
 - k) What is *playa*?
5. Answer any **four** from the followings: $4 \times 4 = 16$
- a) Differentiate *eustatic* rejuvenation from *static* rejuvenation.
 - b) State the salient features of *barchan* with a suitable diagram.
 - c) Mention the different types of *sea cliff*.
 - d) Distinguish between the process of *block disintegration* and *granular disintegration*.
 - e) Specify the characteristics of *eskar* and *kame*.
 - f) Differentiate *zeugen* from *yardang*.

6. Answer any **one** from the followings:

$10 \times 1 = 10$

- a) Give an account on the development of landforms and river network on folded structure.
- b) Describe the major landforms produced by glacial erosion with suitable diagrams.