

R-1A

252/Geog.

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

U.G. 1st Semester Examination - 2019

GEOGRAPHY

[HONOURS]

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

Geotectonics and Geomorphology

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-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 *synclinorium*?
 - 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 *penplain*?

c) What is *landslide*?

d) What do you mean by *polycyclic* landforms?

e) What is *endrupf*?

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.