

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 : $2\frac{1}{2}$ 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 *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.

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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 *endrumpf*?

f) What is *carbonation*?

g) What is *fault line scarp*?

h) What is *nick point*?

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i) What do you mean by *blind valley*?

j) What is *longshore bar*?

k) What is *playa*?

5. Answer any **four** from the followings: 4×4=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:

10×1=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.

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