

2017

GEOGRAPHY

(Geotectonic and Geomorphology)

[**Honours**]

(CBCS)

[**First Semester**]

PAPER –C1T

Full Marks : 60

Time : 3 hours

Answer all questions

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

1. Answer any *ten* questions : 2 × 10

(a) What is mass wasting ?

- (b) Identify the role of humans in landform development with two examples.
- (c) What do you mean by Mohorovicic discontinuity ?
- (d) What do you understand by the concept of polar wandering ?
- (e) What is dormant volcano ?
- (f) Write a short notes on diastrophism.
- (g) What do you mean by gravity anomalies ?
- (h) When does a thrust fault occur ?
- (i) Write equation for the chemical weathering reaction observed in the karst region,
- (j) Mention the processes involved in the glacial entrainment.
- (k) What do you understand by inversion of relief ?
- (l) What is cave dissolution process observed in the limestone coast ?

- (m) What is the difference between kames and escars ?
- (n) Distinguish between colluvial and alluvial fans.
- (o) What is Speliothems ?

2. Answer any *four* questions :

5 × 4

- (a) How do you identify different tectonic process infer from the landforms ?
- (b) What is the relationship between the crust, the mantle and the lithosphere ?
- (c) Mention different types of folds on the basis of the mode of origin.
- (d) Critically evaluate the model on landscape evolution of Hack.
- (e) Explain the formation of mid-oceanic ridges with the help of plate tectonics theory.

3. Answer any *two* questions : 10 × 2

(a) Describe the types of landforms resulted from Igneous rocks with special reference to Granite-and Basalt. 10

(b) Identify the characteristics of landforms evolved from aeolian process. 10

(c) What do you mean by the term isostasy ? Discuss in brief the hypothesis of isostatic adjustment as given by Sir G. Airy. How Airy's idea is different from A. Pratt's proposition ? 2 + 4 + 4

(d) Discuss the evolution of landform in a region of uniclinal structure. 10
