

2019

B.Sc.

1st Semester Examination

**GEOGRAPHY (Honours)**

**Paper - C 1-T**

Full Marks : 60

Time : 3 Hours

*The figures in the margin indicate full marks.  
Candidates are required to give their answers  
in their own words as far as practicable.*

**Group - A**

1. Answer any *ten* questions of the following :

10×2=20

- (a) What do you mean by the term gravity anomaly ?
- (b) What is K-T extinction ?
- (c) Distinguish between hangingwall and foot wall in the context of faulting.
- (d) What is meant by mantle plume ?

*[ Turn Over ]*

- (e) What is slickenslide ?
- (f) Define karst window.
- (g) What is primarrumpf ?
- (h) What is a homoclinal ridge ?
- (i) How is drumlin formed ?
- (j) What is nappe fold ?
- (k) What is ablation ?
- (l) What is kame terrace ?
- (m) What is offshore Bar ?
- (n) Distinguish between hydration and hydrolysis.
- (o) What is a blind valley ?

2. Answer any *four* questions : 4×5=20

- (a) Explain the origin of island arcs with the help of plate tectonics.
- (b) Explain the development of trellis drainage pattern on uniclinal structure.
- (c) Briefly describe the Model of Landscape evolution by Hack.

(d) Describe the landforms produced in a granitic region under humid tropical climate.

(e) Distinguish between mudflow & earthflow.

3. Answer any *two* questions : 2×10

(a) Write about the seismological-evidences to explain the interior of the earth.

(b) What is meant by plate tectonics ? Explain the present layout of the young fold mountain chains of the earth using this theory.

(c) What are the main processes of chemical weathering ? Discuss the importance of chemical weathering in humid tropics.

(d) Give an account of Penck's view of landform development.

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