2017

M.A./M.Sc.

1st Semester Examination

GEOGRAPHY

PAPER—GEO-101

Subject Code—29

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

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

Illustrate the answers wherever necessary.

Write the answer Questions of each Unit in separate books

Unit–I

(Geotectonics)

Group—A

1. Answer any *one* questions from the following : 1×8

(a) Explain how gemorphological processes were influenced by Neo-tectonics of Tertiary and Quaternary periods over the earth surface with suitable examples.

(b) Discuss the principles and techniques of Relative and Absolute dating in explaining the sequential changes of earth surface features. 8

Group—B

2. Answer any *two* from the following questions : 2×4

(a) Describe the phenomenon of paleomagnetism.

(b) Explain the Himalayan orogenesis with the concept of plate tectonics.

(c) Outline the significance of polar wandering curves.

(d) Explain the origin of earth's magnetic field.

Group—C

3. Answer any *two* from the following questions : 2×2

(a) Define volcansim.

(b) What is shallow earthquake ?

(c) Identify the concept of plate dynamics.

(d) What is geomagnetic polarity reversal ?

Unit–II

(Geomorphology)

Group—A

1. Answer any *one* from the following questions : 1×8

(a) Discuss the parameters and importance of development of the equilibrium profile of a river.

(b) Explain, with illustration, the concept of metastable equilibrium on slope evolution.

Group—B

2. Answer any *two* questions : 2×4

(a) How does uriformitarianism differ from catastrophism ?

(b) What is the role of chemical weathering in landform evolution ?

(c) Enumerate the factors of development of Alluvial fan.

(d) How do you manage flood using Geomorphic knowledge ?

Group—C

3. Answer any *two* questions : 2×2

(a) Define safely factor.

(b) Define radius of curvature of meander.

(c) What are the principal causes of change in base level ?

(d) Define eutropy maximisation.

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