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PG CBCS
M.A. & M.Sc. Semester-I Examination, 2021
GEOGRAPHY
PAPER: GEO 101
(EARTH'S SURFACE PROCESS)

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 practicable.
 Illustrate the answers wherever necessary.

Write the answer for each unit in separate sheet

GROUP/UNIT

(GEO 101.1: GEOTECTONICS)

Answer any TWO questions from the following:

2 X 10=20

1. Critically explain the *Big Bang Theory* on the origin of universe and planetary beginnings.
2. How does the principle of radioactive decay help to determine the absolute age of a fossil?
3. Examine the application of paleo magnetic polar wandering curves in reconstruction of global tectonics.
4. Assess the relevance of plate tectonic theory in explaining the origin and distribution of volcanism.
5. Explain the mechanism of origin and maintenance of magnetic field of the earth.

GROUP/UNIT

(GEO 101.2: GEOMORPHOLOGY)

Answer any TWO questions from the following:

2 X 10=20

1. Differentiate Davisian model of slope evolution from Penck's model.
2. How does weathering facilitate mass movement?
3. Elucidate the threshold conditions for entrainment, transport and deposition of a river.
4. Give a brief account of the application of geomorphology in hazard management along West Bengal coast.
5. Examine the importance of functional approach in process study.