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PG CBCS
M.A. /M.Sc. Semester-I Examination, 2020
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 - A
(GEO 101.1: GEOTECTONICS)

Answer any two questions from the following (within 500 words): **10 X 2**

1. Critically explain *Planetesimal Hypothesis* on the origin and evolution of earth.
2. Briefly discuss the various principles of relative dating mentioning their advantages and limitations.
3. How do paleomagnetic evidences support theories of plate tectonics?
4. Explain the development of landforms along the convergence of oceanic and continental plate.
5. How is the mechanism of earthquake explained by plate tectonic theory?
6. Discuss the major neo-tectonic events in connection to the deformation of global landforms.

GROUP/UNIT - B
(GEO 101.2: GEOMORPHOLOGY)

Answer any two questions from the following (within 500 words): **10 X 2**

1. Explain different concepts of equilibrium and their application in geomorphology.
2. Briefly discuss the importance of functional approach in process study.
3. Make a comparative assessment of the principles of uniformitarianism and catastrophism with suitable examples.
4. Enumerate possible areas of application of geomorphic knowledge.
5. Elucidate the landforms developed by weathering.
6. How does a drainage network develop?
