

Bajkul Milani Mahavidyalaya

(Vidyasagar University)

Department of Geography (UG & PG)

M. A. / M. Sc., 1st Semester

End Term Examination -2020-'21

Subject: Geography

Paper: GEO 101: Earth's Surface Process

(Use separate answer script for each unit of the paper)

Full Marks: 40

Time: 2-Hours

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

Unit: GEO 101.1: Geotectonics

Answer any one question

1 x 20=20

1. Briefly describe the theories on planetary evolution in solar family. 20
2. Establish the linkage between geomagnetic polarity reversal and sea floor spreading throughout the Paleomagnetic Time Scale. 20
3. Explain the mechanism of volcanic activities in the light of Plate Dynamics. 20
4. Describe the major features and evidences of neotectonic activities in India. 20
5. Elucidate the methods of radioactive decay and their application in absolute dating of rocks. 20

Unit: GEO 101.2: Geomorphology

Answer any one question:

1 x 20 = 20

1. "Most of the landforms possess complex evolutionary history." – Explain with example. 20
2. Critically examine the process-response model of slope evolution by A. Young. 20
3. Explain the types and characteristics of channel patterns with the help of sinuosity index. 20
4. Assess the importance of Applied Geomorphology in flood management. 20
5. Critically explain the concept of 'pediplanation cycle' by L.C. King. 20