

October 2025
B.A./B.Sc.
First Semester
MAJOR – 1
GEOLOGY
Course Code: GLM 1.11
(Essentials of Geology)

Total Mark: 50

Pass Mark: 20

Time: 2 hours

I. Answer the following questions.

1. What are the terrestrial and Jovian planets? Give their characteristics. 12
2. (a) Explain the theory of continental drift. Mention some of the evidence based on which Wegener formulated his theory. 12
- OR
- (b) What is sea floor spreading? Explain the process briefly. 12
3. (a) Define unconformities. Elaborate on the different types of unconformities with a suitable diagram. 12
- OR
- (b) Describe the major divisions of the geological time scale. 12

II. Answer any two of the following questions.

4. Explain the various layers of the atmosphere. Give a neat sketch. 7
5. Give the types of volcanoes based on the mode of eruption. 7
6. What is geochronology? Explain any two types of dating. 7