

**October 2025**  
**B.A./B.Sc.**  
**Third Semester**  
**MULTI-DISCIPLINARY COURSE – 3**  
**GEOLOGY**  
*Course Code: GLO 3.11*  
(Geological Hazards)

*Total Mark: 35*  
*Time: 2 hours*

*Pass Mark: 14*

*I. Answer the following questions.*

1. (a) What are seismic waves? Discuss the various types of seismic waves. 10

OR

(b) Give the classification of volcanoes based on the continuity and mode of eruption. 10

2. (a) What are landslides? Give a detailed explanation of the various causes of landslides and mention some measures to mitigate landslides. 10

OR

(b) Elaborate on the causes and impacts of tsunamis. 10

*II. Answer any three of the following questions.*

3. Write a note on the Mercalli and Richter scale. 5

4. What are the solid and liquid products of volcanic eruptions? 5

5. Briefly discuss the types and causes of floods. 5

6. Discuss the different strategies used to mitigate the effects of tsunamis. 5