

**April 2025**  
**B.A./B.Sc.**  
**Second Semester**  
**MAJOR – 2**  
**GEOLOGY**  
*Course Code: GLM 2.11*  
**(Crystallography & Mineralogy)**

*Total Mark: 50*

*Pass Mark: 20*

*Time: 2 hours*

*I. Answer the following questions.*

1. Explain the normal class of tetragonal crystal system with a neat illustration. 12
2. Define minerals. Write a note on the classification of minerals. 2+10=12
3. Discuss any two of the following with suitable examples. 6×2=12
  - (a) Interference colour
  - (b) Polymorphism
  - (c) Twinning

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

4. Explain Miller indices of a crystal face. 7
  5. Write a note on Feldspar group of minerals. 7
  6. Differentiate between isotropic and anisotropic minerals. 7
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