

**2022**  
**B.A./B.Sc.**  
**Second Semester**  
GENERIC ELECTIVE – 2  
**GEOLOGY**  
*Course Code: GLG 2.11*  
(Rocks & Minerals)

*Total Mark: 70*  
*Time: 3 hours*

*Pass Mark: 28*

*Answer five questions, taking one from each unit.*

**UNIT-I**

1. Define streak. Explain how streak is used to identify different minerals. 2+12=14
2. Write notes on the following: 7×2=14
  - (a) Fracture
  - (b) Lustre

**UNIT-II**

3. What is interference colour of mineral? How do you determine it? 7+7=14
4. Write notes on the following: 7×2=14
  - (a) Pleochroism
  - (b) Extinction

**UNIT-III**

5. Explain the nature and origin of igneous rocks. 14
6. What are igneous rocks? Explain its classification. 4+10=14

#### UNIT-IV

7. Define weathering. Explain the different types of chemical weathering. 2+12=14
8. Write notes on the following: 7×2=14
- (a) Diagenesis
  - (b) Transportation

#### UNIT-V

9. Define metamorphism. Explain different types of metamorphism. 2+12=14
10. Write notes on the following: 7×2=14
- (a) Palimpsest or relict texture
  - (b) Foliated structure
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