

**2022**  
**B.A./B.Sc.**  
**Third Semester**  
GENERIC ELECTIVE – 3  
**GEOLOGY**  
*Course Code: GLG 3.11*  
(Earth Resources)

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

*Pass Mark: 28*

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

**UNIT-I**

1. Discuss in detail the classification of mineral deposits. 14
2. Write notes on the following: 7×2=14
  - (a) Energy resources in industries
  - (b) Water stress

**UNIT-II**

3. Differentiate between renewable and non-renewable sources of energy. Explain. 14
4. Write notes on the following: 7×2=14
  - (a) Primary and secondary energy
  - (b) Power and electricity

**UNIT-III**

5. Which minerals are used as nuclear fuel? Explain one of them. 2+12=14
6. Write notes on the following: 7×2=14
  - (a) Wind energy
  - (b) Solar energy

## UNIT-IV

7. Discuss groundwater resources and its role in economic development of a country. 14
8. Write notes on the following: 7×2=14
- (a) Vertical distribution of groundwater
  - (b) Potential of hydroelectric power

## UNIT-V

9. Write the mineralogy, origin, and distribution of iron deposit in India. 14
10. Write notes on the following: 7×2=14
- (a) Marble as a building material
  - (b) Gemstones and its uses
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