



**Final Year Examination of the
Three -Year Degree Course, 2001
(Faculty of Science)
GEOLOGY
Paper-I**

(Mineral Resources)

Attempt **five** questions in all.
selecting at least **one** question from each unit ,
All questions carry equal marks.

Time : 3 Hours

[Maximum Marks :50]

UNIT-I

1. Explain Early Magmatic process and describe important mineral deposits formed by magmatic concentration. 5+5
2. Write notes on any two of the following : 5+5
 - (a) Igneous rocks as Ores.
 - (b) Magmatic Differentiation
 - (c) Residual liquid segregation.

UNIT-II

3. Enumerate the sedimentation process of formation of Ore deposits. 10
4. Write notes on any two of the following : 5+5
 - (a) Mineral deposits of metamorphic origin
 - (b) Pyrometamorphism
 - (c) Evaporation process.

UNIT-III

5. Describe the geology, mode of occurrence and origin of Coal deposits of India. 10
6. Write notes on any two of the following : 10
- (a) Contact metasomatism process of ore formation.
 - (b) Skarn deposits.
 - (c) Origin of petroleum.

UNIT-IV

7. Describe geology, mode of occurrence and origin of copper deposits of India. 10
8. Describe poly metallic sulphide deposits of Rajasthan. 10

UNIT-V

9. Give a detailed account of clay deposits of Rajasthan. 10
10. Write short notes on any Three of the following with reference to mode of occurrence, uses and origin:- 10
- (a) Garnet
 - (b) Sillimanite
 - (c) Gypsum
 - (d) Rock phosphate.