

**B.E.(MIN E) 5<sup>th</sup> Semester Final Examination,2011**

**Sub: Mining Geology**

**(GEO—501)**

**Full Marks—70**

**Time—3 hrs**

**Answer all the questions**

1. Give an account of mineralogy of iron ores. Write briefly about a) General geology b) Regional Structure c) Mineralisation of Singhbhum iron ores. **20**
2. Name three minerals each for a) Refractory Industries b) Fertiliser Industries  
Give an account of Indian Barite deposits and their uses. **20**
3. Give an account of mineralogy of Cu ore and Al ore. What are Grade I, Grade II  
And Grade III bauxite deposit according to ISI **20**
4. Write notes on ( any two) **10**
  - a) Tenor and Grade
  - b) Pyrite deposits
  - c) Formation of mineral deposits