

B.E(MinE)5th Semester Final Examination,2013

Sub: Mining Geology

(GEO-501)

Full marks--70

Time-3hrs.

Answer all the questions

1. Define 'Strategic', 'Critical' and 'Essential' minerals. Give a brief account of minerals necessary for a) Chemical b) Refractory industry. Give the definitions of different types of reserves. 15
2. Give an account of climate necessary for formation of Bauxite. Write an account of any Bauxite deposit of India with geologic succession. Give the classification of Bauxite Grade according to ISI 15
3. Write briefly about : 20
 - a) Mineralogy, Distribution and Mode of occurrence of Fe-ores,
 - b) General Geology and Structure of Singhbhum Iron ore deposit.
4. State briefly about : 20
 - a) Gossan
 - b) Genesis of Singhbhum Cu-deposit