

B.E(MinE)5<sup>th</sup> Semester Final Examination,2012

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) Ceramic b) Refractory c) Fertiliser industry. Give the definitions of different types of reserves. 15
2. Give an account of mineralogy of Bauxite. Write an account of East Coast Bauxite deposit. Give the classification of Bauxite Grade according to ISI 15
3. Write briefly about 1) Mineralogy, Distribution and Mode of occurrence of Fe-ores, 2) General Geology and Structure of Zawar Pb-Zn deposit. 20
4. State briefly about 1) Gossan 2) Genesis of Singhbhum Cu-deposit 20