

## 1<sup>st</sup> Unit test (Question Bank)

Class: CE/EE/ME (Second Sem K-scheme)  
Applied Science BSC (312308)

### Unit IV. Metals And Alloys

#### 2 marks question

1. Give reason with example, "All ores are minerals, but all minerals are not ores".
2. Define – (any two) Mineral, Ore, Gangue, Flux, Slag.
3. State the principle of Froth Floatation method.
4. Give alloys. Give two examples.
5. Give the composition of Duralumin and Tinman's solder.
6. Write the composition of Wood's metal and Gun Metal.
7. Give the classification of plain carbon steel.
8. Define- Soldering and Machinability.

#### 4 marks question

1. Name the metal in the given ore/mineral and its chemical formula.  
a. Hematite      b. Bauxite      c. Copper pyrite      d. Tinstone
2. Explain gravity separation method for concentration of ore.
3. Discuss magnetic separation method for concentration of ore.
4. Differentiate between calcination and roasting.
5. Explain poling method of refining of metal.
6. Define – Hardness, Ductility, Malleability, Tensile strength.
7. Give the purposes of making alloys.
8. Explain fusion method for preparation of alloys.