**BSH10**

**Sixth Semester B. Tech Chemical Engineering**

**Examination Aug/Sep-2015**

**Material Science**

**Time:-3Hours Max. Marks: - 75**

**SECTION-A**

**Answer any five questions. (5\*5)**

1. Briefly define ‘Science of metals’.
2. Comment on ‘Atomic Packing Factor’.
3. What do you mean by Semiconductor?
4. Write a short note on ‘Copolymerization’.
5. What is Co-ordination number?
6. Define ‘Mean free path’.
7. What do you mean by the term Flame Hardening?

**SECTION-B**

**Answer any two questions. (10\*2)**

1. Give a detail classification of metal deformation.
2. Examine the beginning and development of Material science.
3. Discuss the concept of Atomic radius in a cubic system.

**SECTION-C**

**Answer any two questions. (15\*2)**

1. Elucidate the process of Heat Treatment with its different types.
2. Enlist and describe various Mechanical tests.
3. Enumerate different types of Corrosions.