

Question Bank (I scheme)

Name of Course: Chemistry of Engineering Materials (CEM)

Subject Code: 22233

Semester: II

Unit Test II

Programme: CH

Unit 4

Two marks questions –

1. Define corrosion and give its magnitude.
2. Give reactions involved in wet corrosion.
3. State the use of inhibitors.

Four marks questions –

1. Describe electrochemical corrosion in detail.
2. Explain corrosion by water.
3. Explain corrosion by soil.
4. Explain corrosion in acidic and alkaline environment.
5. Explain corrosion by steam.

Unit 5

Two marks questions –

1. Write composition of Hadfield manganese steel.
2. Write composition of high speed steel.
3. Write composition of Marring steel-300.
4. Write composition of molybdenum high speed steel.
5. What is difference between SS-304 and SS-316?
6. Give the composition of white cast iron
7. Give the composition of gray cast iron.
8. Give the classification of stainless steel.

Four Marks Questions –

1. What is the effect of following elements on properties of steel ,
a. Carbon ii) copper iii) silicon iv) sulphur
2. Explain fusion method for the preparation of alloys.
3. Write composition , properties and applications of – SS-304.
4. Write composition , properties and applications of – SS-314.
5. Write composition , properties and applications of – SS-316.
6. What do you mean by heat resistant steel?
7. Write composition , properties and applications of – pig iron.
8. Write composition , properties and applications of – wrought iron.
9. Write composition , properties and applications of – cast iron.