

MEM Question Bank (12044)

Chapter 1 (3 marks Question)

Q1. Define ductility and hardness.

Q2. Give various factors to be considered while selecting a material.

Q3. Define elasticity and malleability of material.

Q4. What is corrosion? Why it occurs?

Q5. Name any two materials which are added in alloy steel to resist corrosion.

Q6. Define Density and melting point.

Chapter 1 (4 marks question)

Q1. How the engineering materials are classified and give the example of each

Q2. Differentiate between Dry corrosion and wet corrosion.

Q3. Define Thermal conductivity and Toughness.

Q4. State the types of corrosion explain any one.

Chapter 2 (3 marks Question)

Q1. What is metal ?

Q2. State the characteristics of ferrous metals.

Q3. State any 4 properties and uses of stainless steel.

Q4. What is Pig Iron State the types of Pig Iron with Neat sketch?

Q5. Explain Ferromagnetic materials.

Chapter 2 (4 marks Question)

Q1. Draw Iron Carbon Equilibrium Diagram and label the temperatures,

composition and phases on it.

- Q2. Differentiate between white cast Iron and Gray cast Iron.
- Q3. What is cast irons ? Give its classification.
- Q4. What is tool Steel ? Give the properties and application.
- Q5. Explain Peritectic Reaction in brief.
- Q6. Explain Eutectoid Reaction.
- Q7. Define and explain any two (a) Ferrite (b) Austenite (c) Cementite.
- Q8. State composition and application of Medium Carbon Steel and High Carbon Steel.
- Q9. How magnetic materials are classified? State their properties and applications.
- Q10. Draw flow Diagram for production of Iron and Steel.

