

Module-4

- 7 a. Explain the composites properties and Application of cast Iron (04 Marks)
b. How are composites classified. (04 Marks)
Explain with a sketch working of electric Arc welding. (08 Marks)

OR

- 8 a. What are the applications of composites in Automobile and Aerospace Industry? (04 Marks)
b. Differentiate between soldering, Brazing, Welding. (04 Marks)
c. Explain the process of
i) Soldering
ii) Brazing. (08 Marks)

Module-5

- 9 a. Define :
i) Refrigeration
ii) Air conditioning (04 Marks)
b. List the commonly used Refrigerants. (04 Marks)
c. Explain with a sketch working of vapour absorption Refrigerating system. (08 Marks)

OR

- 10 a. Differentiate between working of Vapour compression and vapour absorption Refrigerating system. (04 Marks)
b. Define the terms :
i) Refrigerant
ii) Refrigerating effect
iii) COP
iv) ICE making capacity. (04 Marks)
c. Explain with sketch working of window Air conditioner. (08 Marks)

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