

Engineering Thermodynamics

Unit 4 and Unit 5

Question Bank

Part A Questions

1. The percentage of Oxygen present in atmospheric air on mass basis
(a) 21 (b) 23 (c) 79 (d) 77
2. The percentage of Nitrogen present in atmospheric air on mass basis
(a) 21 (b) 23 (c) 79 (d) 77
3. The percentage of Oxygen present in atmospheric air on mass basis
(a) 21 (b) 23 (c) 79 (d) 77
4. The percentage of Nitrogen present in atmospheric air on mass basis
(a) 21 (b) 23 (c) 79 (d) 77
5. The temperature at which water vapour starts condensing is called
(a) Dry bulb temperature (b) Wet bulb temperature
(c) Dew point temperature (d) Boiling temperature
6. Psychrometer measures
(a) Dry bulb temperature (b) Wet bulb temperature
(c) Dew point temperature (d) Both DBT and WBT
7. The X- axis of the psychrometric chart represents
(a) Dry bulb temperature (b) Wet bulb temperature
(c) Specific humidity (d) Relative humidity
8. Which one of the following remains constant during sensible cooling process?
(a) Enthalpy (h) (b) Dry bulb temperature
(c) Specific humidity (W) (d) Relative humidity (ϕ)
9. Which one of the following remains constant during sensible heating process?
(a) Enthalpy (h) (b) Dry bulb temperature
(c) Specific humidity (W) (d) Relative humidity (ϕ)
10. The relative humidity ϕ in percentage for dry air is
(a) 0 (b) 25 (c) 75 (d) 100

Engineering Thermodynamics Question Bank With Answers

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