

SECTION-B

Note: Short answer type questions. Attempt any six questions out of Eight questions. (6x5=30)

- Q.11 Explain cooling with adiabatic humidification. (CO5)
- Q.12 Write the importance and applications of psychometry. (CO3)
- Q.13 Explain various types of heat loads. (CO4)
- Q.14 How humidification of air achieved? (CO3)
- Q.15 Write various factors affecting air conditioning. (CO5)
- Q.16 Compare comfort air conditioning and industrial air conditioning. (CO5)
- Q.17 Explain degree of saturation and Enthalpy of moist air. (CO2)
- Q.18 Explain DBT, WBT and DPT. (CO1)

SECTION-C

Note: Long answer type questions. Attempt any one questions out of two questions. (10x1=10)

- Q.19 Explain central air conditioning system with the help of neat sketch. (CO5)
- Q.20 Explain different psychometric processes in detail. (CO3)

Note : Course Outcomes (CO) mentioned in the question paper is for official purpose only.

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DVOC (Level 5)

Sem 1st / Refrigeration and Air Conditioning

Subject : Basics of Air Conditioning

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short answer type questions . Attempt all ten question (10x1=10)

- Q.1 Define Psychometry. (CO1)
- Q.2 Define wet bulb temperature. (CO1)
- Q.3 During sensible heating of air, the specific humidity remains_____
- Q.4 What is cooling with dehumidification? (CO2)
- Q.5 Sensible heating process is shown by a horizontal line on psychometric chart.(True/False) (CO3)
- Q.6 Define dry air (CO3)
- Q.7 Define sensible heat factor. (CO4)
- Q.8 Room sensible heat factor is ratio of _____ to _____. (CO4)
- Q.9 Define air conditioning. (CO5)
- Q.10 What is year round air conditioning ? (CO5)

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