

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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Roll No.

188452

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)