

- Q.12 Explain how room air conditioning system works.
- Q.13 Explain central air conditioning system with neat diagram briefly.
- Q.14 Atmospheric air enters a heater at 5.5 °C and 65% R.H. and leaves at a temperature of 20° C. Calculate heat supplied to the air and final R.H.
- Q.15 Explain sensible heat factor. How it is calculate?
- Q.16 Explain wet bulb depression and Drew point depression.
- Q.17 Explain Specific humidity and enthalpy of moist air.
- Q.18 Explain latent heat loads briefly.

SECTION-C

- Note:** Long answer questions. Attempt any one questions out of two questions. (1x10=10)
- Q.19 Explain the construction and working of round the year air conditioning.
- Q.20 Explain in detail the various types of heat loads.

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DVOC (Level 5)

Subject :(5.GV.02) Basics of Air Conditioning

Time : 2 Hrs.

M.M. : 50

SECTION-A

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

- Q.1 Define Air Conditioning.
- Q.2 Define Dew point temperature.
- Q.3 Name any four applications of air conditioning.
- Q.4 Define psychrometric chart.
- Q.5 Write any two advantages of central air conditioning.
- Q.6 Define heat load.
- Q.7 Define saturated air.
- Q.8 What do you mean by sensible heating.
- Q.9 Describe room air conditioner.
- Q.10 Define degree of saturation.

SECTION-B

- Note:** Short answer type questions. Attempt any six questions out of eight questions. (6x5=30)
- Q.11 Draw and explain various lines of psychrometric chart.