

- 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. $(1 \times 10 = 10)$
 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. $(10 \times 1 = 10)$

- 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. $(6 \times 5 = 30)$

- Q.11 Draw and explain various lines of psychrometric chart.

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