

6. One tonne of refrigeration is equal to CO3- R
- (a) 21 kJ/min (b) 210 kJ/min (c) 420 kJ/min (d) 620 kJ/min
7. Which of the following refrigerant is highly toxic and flammable? CO3- R
- (a) ammonia (b) carbon dioxide (c) sulphur dioxide (d) freon-12
8. The pressure of centrifugal compressor is CO4- R
- (a) 0.8 to 12 bar (b) 12 to 700 bar (c) 0.8 to 24 bar (d) 0.1 to 450 bar
9. For summer air conditioning, the relative humidity should not be less than CO4- R
- (a) 40% (b) 60% (c) 75% (d) 90%
10. For minimum work, the compression should be _____ CO5- R
- (a) adiabatic (b) isothermal (c) isochore (d) isobar

PART – B (3x 8= 24 Marks)

(Answer any Three of the following Questions)

11. Explain about the chemical softening. CO1- U (8)
12. With a neat sketch, Explain about the fluidized bed boiler CO2- U (8)
13. Describe the working of vapour compression refrigeration cycle CO3- U (8)
14. Explain about the impeller blade shape. CO4- U (8)
15. Compare the performance of reciprocating and rotary compressors. CO4- U (8)