

b) Discuss the factors affecting thermal performance of buildings. 13 K2 CO4

14. a) Describe the construction and working of Chilled water plant. 13 K2 CO5

OR

b) Discuss different air conditioning systems for buildings. 13 K2 CO5

15. a) Discuss the earthquake ground motion with types, intensity and magnitude. 13 K2 CO6

OR

b) Explain seismic waves and seismology in detail. 13 K2 CO6

PART - C (1 × 15 = 15 Marks)

16. a) Discuss the classification of composites. Give detailed study of Fiber Reinforced Plastics (FRP) and Fiber reinforced metal (FRM). 15 K2 CO2

OR

b) Explain thermal, mechanical, electrical and chemical properties of ceramic materials. 15 K2 CO2