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- b) i) What is RCC ? What is the advantage of RCC over a cement concrete ? (4)
ii) List the advantages of reinforced cement concrete. (2)
iii) Write short notes on light weight concrete. (2)
iv) What are the various classifications of mortar ? Explain. (4)
v) List the classification and uses of steel in construction. (4)
12. a) With a sketch explain various types of foundations. (16)
(OR)
b) Explain briefly about masonry with neat sketch. (16)
13. a) i) Explain the working principle of steam power plant with neat sketch. (10)
ii) Draw the layout of diesel power plant and indicate the parts. (6)
(OR)
b) i) Explain briefly the functions of the components of nuclear power plant. (10)
ii) Draw a neat block diagram of a nuclear power plant and indicate the parts. (6)
14. a) Differentiate between two stroke and four stroke engines. (16)
(OR)
b) Explain the construction and working of 4 stroke petrol engine with suitable sketch. (16)
15. a) Sketch the layout of window air conditioner and explain working principle, stating clearly the functions of major components with merits and demerits. (16)
(OR)
b) With a neat layout, briefly explain about the construction and working principle of a vapour absorption refrigeration system. (16)