CHAPTER-1

DRAWING & IE RULES

Q.1. Discuss the classification of electical installation.what are its geneal requirement?

Q.2. Explain the meaning of the following terms used in electica installation work.

a. Live b. point c. switch gear d. switch e. neutral

Q.3. Explain the main switch and switch boards.

Q.4. what are the fitting and accessories.

Q.5. Expain the following :- a. Lighting Fitting b. Lamp holder c. Lamps d. fuses

Q.6. Drawing the following diagram: a. Godown wiring b. one lamp controlled by two switches

Q.7. Explain the plans and layout of wiring ?

Q.8. state the five IE rules related to Electical installation and testing.

Q.9. Explain the provision of earthing as per I.E. Rule.

Q.10. what are the safety and regulation of a person working and equipment to be followed in the electrical installation.

CHAPTER – 2

SERVICE CONNECTION

Q.1. write shot notes on concept of service connection.

Q.2. Enumerate the different types of sevice connection and their features.

Q.3. write down the method of installation of service connection.

CHAPTER – 3

RESIDENTIAL BUILDING ELECTRIFICATION

Q.1. Why earthing is necessary in residential installation. Also differenciate between neutral and earth wire.

Q.2. How many types of lamp holder ? Explain.

Q.3. How many types of switches ? Draw sketch of any two and also explain the uses.

Q.4. what is conductor ? explain the selection of size of conductor.

Q.5. Explain different components used in conductor wiring system.also explain four of them.

Q.6. how to decide the location of main board,distribution board and sub-distribution board.

Q.7. State the general rules and guidelines for wiring of a residential installation.

CHAPTER – 4

ELECTRIFICATION OF COMMERCIAL INSTALLATION

Q1. What are the concept of commercial installation ?

Q.2. Draw the diagram and explain internal distribution for medium and large installations.

Q.3. How electrification of residential and commercial installation can be differentiated ?

Q.4. Draw the diagram and explain internal distribution for mall commercial installation.

CHAPTER – 5

ELECTIFICATION OF FACTORY UNIT INSTALLATION

Q.1. What are the design consideation of electrical installation in small industry and workshop.

Q.2. write down the importants guidelines about power wiring and motor wiring.

Q.3. wite short notes on concept of industrial loads.

Q.4. how to deceide a rating of fuse used in installation.

CHAPTER – 6

TESTING OF INSTALLATION

Q.1. Draw the neat sketch of insulation tester and also explain its working.

Q.2. Draw the neat sketch of Earth tester and also explain its working.

Q.3. Write short notes on testing of installation.

Q.4. Write short notes on Circuit continuity.

CHAPTER – 7

CONTRACT,TENDERS AND EXECUTION

Q.1. Draft a tender notice for the supply of wiring material mentioning the terms and condition of supply.

Q.2. What is tender ? explained the ways of inviting tender.

Q.3. Explain the different stages of pepration of poject and execution of a major work.

Q.4. What are the essential equiement for contract ?

Q.5. what is lump-sum contract ? also write its advantages & disadvantages.