ELECTRICAL ESTIMATION AND INSTALLATION

2.Estimating & conductor size calculations

Q.No	Questions	Difficulty level	Marks
1	What are the steps to estimate internal wiring installation?	C	4
2	State the factors on which the choice of wiring system depends.	C	4
3	List out any six wiring accessories	C	4
4	Define tender and state its types.	C	4
5	What is estimation? Write down the purpose of an estimation.	C	4
6	Elaborate all the methods of labor cost calculation.	C	4
7	Calculate the size of wire for the sub circuit consisting of 10 light/fan points or 800 watts. The supply voltage is taken at 230 volts ac at 50 cycles/sec	B	4
8	Calculate the size of wire for a sub circuit consisting of 10 light/fan points or 1000 watts. The supply voltage is taken at 230 volts ac at 50 cycles/sec.	B	4
9	Calculate on the basis of voltage drop, the size of underground cable to be laid for transmitting electrical energy at 11kv from the substation at a distance of 500 meters of capacity 300 KVA.	B	6
10	Determine the size of underground cable if a 11 kv step-down transformer is to be connected to a 33 kv sub-station. The distance between the two is 1.5 km. The size of the step-down transformer is 500KVA	B	6