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End Semester Examination (ESE), 2020

Semester: 6TH

Subject: Electrical Estimating, costing and contracting

Subject Code: EL-601

New Syllabus/Old Syllabus: New syllabus

Total Marks: 56 Marks for Theory

Time: 2Hrs 30 minutes

All questions are compulsory

PART A =10X1=10 Marks		
Q. No	Description	Mark
1	As per recommendation of ISI the maximum load that can be connected in one sub-circuit is (Choose the correct Answer) (i) 800 watts (ii) 1000 watts (iii) 1600 watts (iv) 500 watts	1
2	The cheapest system of internal wiring is (Choose the correct Answer) (j) Cleat wiring (ii) casing capping (iii) CTS or TRS (iv) conduit wiring	1
3	Service connections taken from the poles to the domestic consumer is called (Choose the correct Answer) (i) L.T poles (ii) Middle poles (iii) Straight poles (iv) Distributor poles	1
4	The maximum number of outlet that can be connected in a power sub-circuit is _____. (Fill in the blank)	1
5	The type of cable used for overhead cable service connection is _____. (Fill in the blank)	1
6	Energy meter, for connection has _____ terminals. (Fill in the blank)	1
7	The numbers of earth connection required for the motor installation frame as per the IE rule 61 are _____. (Fill in the blank)	1
8	The maximum load that can be connected in a power sub-circuit is 3000 watts. (write true or false)	1
9	Switch is always placed in neutral wire. (write true or false)	1
10	In India, high voltage transmission line is mostly by overhead system. (write true or false)	1
PART B= 46 Marks		
11	What is an estimate? Explain briefly	3
12	What are the requirements that should be available for preparing an electrical estimate?	5
13	What is tender?	3
14	Write short note on earnest money	3
15	What is mean by distribution board?	3
16	Define public tender and limited tender?	4
17	What are the different types of internal domestic wiring used in a house?	4
18	What are the various components of an overhead line?	4
19	What is service line? What are the various types of service lines?	2+2
20	What are the points to be considered for selecting the particular type of wiring?	5
21	What are the different types of test to be performed before a new installation is connected to the supply?	5
22	What is a contingency?	3