

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE Supplementary Examination – Summer 2022 Course: B. Tech. Branch :Electrical Engineering Semester :IV Subject Code & Name: Electrical Installation & Estimation (BTEEC403) Max Marks: 60 Date: Duration: 3 Hr.			
Instructions to the Students: 1. All the questions are compulsory. 2. The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in () in front of the question. 3. Use of non-programmable scientific calculators is allowed. 4. Assume suitable data wherever necessary and mention it clearly.			
		(Level/CO)	Marks
Q. 1	Solve Any Two of the following. (This is just a sample instruction)		
A)	What factor is considered for selecting conductor size for Domestic & Underground wiring	1	6
B)	Draw Schematic, wiring & Signal line diagram for one Lamp, one fan one & 5 amp Socket outlet.	2	6
C)	Which points are considered while preparing the Estimate (14 Points)	2	6
			6
Q.2	Solve Any Two of the following. (This is just a sample instruction)		6
A)	Explain position of equipment with layout of electrical installation	2	6
B)	Explain PVC Weather proof cable service line & Bare conductor service line	1	6
C)	Explain preparation & analysis of Comparative statement		6
			6
Q. 3	Solve Any Two of the following. (This is just a sample instruction)		6
A)	What is the permissible Voltage drop for Industrial & Domestic load?	1	6
B)	What is purchasing techniques & Objective.	3	6
C)	Explain the arrangement of single bus bar type of substation.	1	6
			6
Q.4	Solve Any Two of the following. (This is just a sample instruction)		6
A)	Explain: Cleat type, casing type, conduit type and metal sheath wiring.		6
B)	Explain the tendering process along with comparative statements.	1	6
C)	Draw and explain the wiring diagram for AC motor control along with its protection circuit.	1	6
			6
Q. 5	Solve Any Two of the following. (This is just a sample instruction)	2	6
A)	What is the prominent factor considered while preparing an estimate	1	6

B)	Explain Prize catalogue & it's Important.	1	
C)	What are the requirements of insulators? Explain any two the types of insulators.	2	6
	*** End ***		

The grid and the borders of the table will be hidden before final printing.