

<b>DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE</b> <b>Winter Examination – 2022</b> <b>Course: B. Tech.                      Branch : Electrical Engineering                      Semester : V</b> <b>Subject Code &amp; Name: (BTEEOE505B) Electrical Safety (Open Elective Course 1)</b> <b>Max Marks: 60                                      Date:    14/02/2023                                      Duration: 3 Hr.</b>			
<b>Instructions to the Students:</b> 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
<b>Q. 1</b>	<b>Solve Any Two of the following.</b>		<b>12</b>
A)	Explain the Causes of electrical Hazards		<b>6</b>
B)	Elucidate safety tags and locking devices		<b>6</b>
C)	Write short note on Rubber insulating equipment and Hot sticks		<b>6</b>
<b>Q.2</b>	<b>Solve Any Two of the following.</b>		<b>12</b>
A)	Explain the need for Safety Grounding		<b>6</b>
B)	Write the importance of electrical safety equipments		<b>6</b>
C)	Explain work flow chart of Hot-Work Decision tree		<b>6</b>
<b>Q. 3</b>	<b>Solve Any Two of the following.</b>		<b>12</b>
A)	Explain the Six step safety of methods of electrical safety		<b>6</b>
B)	Explain electrical safety programmer structure		<b>6</b>
C)	Describe the purpose of electrical safety audits		<b>6</b>
<b>Q.4</b>	<b>Solve Any Two of the following.</b>		<b>12</b>
A)	Describe the Reliability Centered Maintenance (RCM) for electrical safety		<b>6</b>
B)	Explain Flash hazard calculation and approach distance		<b>6</b>
C)	Write a note on safety meeting held in industries		<b>6</b>
<b>Q. 5</b>	<b>Solve Any Two of the following.</b>		<b>12</b>
A)	Write a note on Occupational safety and Health administration standards		<b>6</b>
B)	what are the standard of electrical safety at work place		<b>6</b>

C)	Write a note on The National electrical safety code (NEESC) ANSI C-2		6
	*** End ***		

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