

	<b>DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE</b> <b>Regular End Semester Examination – Summer 2022</b> <b>Course: M. Tech.      Branch : Structural Engineering      Semester : II</b> <b>Subject Code &amp; Name: Research Methodology (CVSE-E5-A)</b> <b>Max Marks: 60      Date:21/10/2022      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. (This is just a sample instruction)</b>		<b>12</b>
<b>A)</b>	Define and explain the term “Research”. Explain its importance and objectives.		<b>6</b>
<b>B)</b>	Discuss the various methods of research? Explain the various factors to be considered in making the decision of sampling method.		<b>6</b>
<b>C)</b>	Explain in brief the stages in data processing.		<b>6</b>
<b>Q.2</b>	<b>Solve Any Two of the following. (This is just a sample instruction)</b>		<b>12</b>
<b>A)</b>	What are ethical issues concerning the research participants of a research activity. Explain		<b>6</b>
<b>B)</b>	Explain the significance of primary data. What are the limitations of primary data?		<b>6</b>
<b>C)</b>	Explain the various factors to be considered in making the decision of sampling method.		<b>6</b>
<b>Q. 3</b>	<b>Solve Any One of the following. (This is just a sample instruction)</b>		<b>12</b>
<b>A)</b>	What are the characteristics of a research? Explain how quantitative researches differ from qualitative research.		<b>6</b>
<b>B)</b>	Discuss various kinds of charts and diagrams used in data analysis. Elaborate the use of SPSS in data analysis .		<b>6</b>
<b>C)</b>	Discuss different type of research report.		<b>6</b>
<b>Q.4</b>	<b>Solve Any Two of the following. (This is just a sample instruction)</b>		<b>12</b>
<b>A)</b>	<b>Explain the meaning of</b> 1.Hypothesis 2. Case Study 3. Bibliography 4.Plagiarism 5.Qualitative And Quantitative Methodology 6. Intellectual property rights.		<b>6</b>

B)	Bring out the importance of interview in research.	6
C)	Write short note on footnote	6
<b>Q. 5</b>	<b>Solve Any One of the following. (This is just a sample instruction)</b>	<b>12</b>
A)	Explain the types of “hypothesis” and its importance	6
B)	Briefly explain about “review of literature”	6
C)	What is research design ?Explain the steps involved in research design	6
	<b>*** End ***</b>	

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