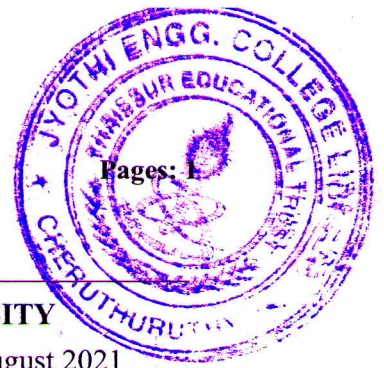


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**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**  
Eighth Semester B.Tech Degree Supplementary Examination August 2021

**Course Code: MR468**

**Course Name: Research Methodology**

Max. Marks: 100

Duration: 3 Hours

**PART A**

*Answer all questions, each carries 5 marks.*

		Marks
1	What are the reasons that motivate a person to do research?	(5)
2	What are the features of a good research design?	(5)
3	Differentiate between personal interview and telephonic interview.	(5)
4	What is literature survey? Explain its importance in research.	(5)
5	Illustrate the importance of mathematical modelling.	(5)
6	Mention the significance of simulation models.	(5)
7	What is meant by interpretation and why is this step important in research?	(5)
8	Describe the precautions that the researcher should take while writing a research report.	(5)

**PART B**

*Answer any three full questions, each carries 10 marks.*

9	Write short notes on	
	a) Conceptual research	(5)
	b) Descriptive research	(5)
10	Explain various steps involved in research process.	(10)
11	a) How is the observation method used for collection of data?	(3)
	b) Explain the types of observation methods.	(7)
12	How to formulate a research problem?	(10)
13	What are the factors concerned in designing a good questionnaire?	(10)

**PART C**

*Answer any two full questions, each carries 15 marks.*

14	a) Explain the technique of Interpretation.	(7)
	b) Elaborate about different types of research reports.	(8)
15	a) What are the different steps in report writing? Explain in detail.?	(7)
	b) What is the layout of a research report?	(8)
16	Explain how a model is formed through simulation method.	(15)
17	Compare all the different mathematical models.	(15)

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