Seat No.: _____ *Enrolment No._____*

GUJARAT TECHNOLOGICAL UNIVERSITY

M. Pharm. Semester – IIND Examination –June/July- 2011

Subject code: 920001

Subject Name: Research Methodology

Date:29/06/2011 **Time: 10:30 am – 01:30 pm**

Total Marks: 80

Instructions:

1. **Attempt any five questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	Define the term "research". Discuss types of research in brief.	**06**
	(b)	Describe the different techniques of research.	**05**
	(c)	What is sampling? Describe probability sampling.	**05**
Q.2	**(a)**	Discuss the importance of presentation skills in an oral presentation.	**06**
	(b)	Describe the sources of literature survey.	**05**
	(c)	Enumerate the techniques of documentation.	**05**
Q.3	**(a)**	Discuss the criteria for selecting a research topic and designing a research study.	**06**
	(b)	Describe the key factors of a successful oral presentation.	**05**
	(c)	Explain importance of data analysis in research.	**05**
Q.4	**(a)**	Describe the format of a research report. What does its main body comprise of?	**06**
	(b)	Why there is need of visual aids in an oral presentation?	**05**
	(c)	Write a note on: Figures and graphs in a research report.	**05**
Q.5	**(a)**	Explain fixed cost, variable cost, total cost, average cost and marginal cost giving suitable example.	**06**
	(b)	How can one analyze the cost requirements for a project?	**05**
	(c)	Describe the importance and use of computer in research documentations.	**05**
Q. 6	**(a)**	Explain the limitations and sources of error in research.	**06**
	(b)	Discuss the objectives of research.	**05**
	(c)	What is a feasibility report?	**05**
Q.7	**(a)**	Describe the characteristics of good questionnaire.	**06**
	(b)	Discuss AICTE as a research funding source.	**05**
	(c)	Write a note on: Industry-Institution interactions.	**05**

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