Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

M. Pharm. – SEMESTER – II • EXAMINATION – WINTER 2013

Subj	ject (Code: 2920001 Date: 26-11-2013	
•	•	Name: Research Methodology	
1 im Instr		0.30 am - 01.30 pm Total Marks: 80	
		Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b) (c)	Define "Research". Write in detail about objectives of research. Explain in detail about various types of research with examples. Write a short note on research design.	06 05 05
Q.2	(a) (b) (c)	What is literature review? Discuss its objectives in detail. Discuss in brief about various sources of literature review. Write a note on importance and use of computer in research documentations.	06 05 05
Q.3	(a) (b) (c)	Define "Research proposal". Write in detail about various steps involved in preparation of proposal for procurement of research grant. Explain various government agencies as a research funding source. Write a note on characteristics of good questionnaire.	06 05 05
Q.4	(a) (b) (c)	What are visual aids? Write its importance in presentation. Explain in brief about importance of presentation skills in oral presentation. Write a short note on feasibility report.	06 05 05
Q.5	(a) (b) (c)	Which are different sections of research paper writing? Explain in brief about 'Results and Discussion' section of research paper. Discuss importance of industry-institute interaction in research. Write differences between research paper writing and thesis writing.	06 05 05
Q. 6	(a) (b) (c)	Define Hypothesis. Write types, characteristics and functions of hypothesis. Discuss about various techniques of documentation in the research. Write a note on project cost analysis.	06 05 05
Q.7	(a) (b)	What is research problem? Discuss in brief about criteria of a good research problem. Explain various methods of data collection with example.	06 05
	(c)	Write a note on limitations and sources of error in research.	05
