

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. Pharm. - SEMESTER– II• EXAMINATION –SUMMER-2016

Subject Code: 2920001

Date: 17/05/2016

Subject Name: Research Methodology

Time: 10:30 AM to 1:30 PM

Total Marks: 80

Instructions:

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

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|-------------|--|-----------|
| Q.1 | (a) Define 'Research' and write a detail note on objective of research. | 06 |
| | (b) Describe various sources of research grant. | 05 |
| | (c) Enlist different parts of the thesis and explain Rationale and Abstract. | 05 |
| Q.2 | (a) Define Hypothesis and describe types, characteristics and functions of Hypothesis. | 06 |
| | (b) Write a short note on questionnaire. | 05 |
| | (c) Describe importance of Industry-Institute interaction in research. | 05 |
| Q.3 | (a) Define Research Problem and describe criteria for selection of good research problem. | 06 |
| | (b) Describe in brief about various sources of literature review. | 05 |
| | (c) Describe different techniques of Documentation. | 05 |
| Q.4 | (a) Describe AICTE schemes for research funding. | 06 |
| | (b) Describe importance of Data analysis in research. | 05 |
| | (c) Describe different types of Research. | 05 |
| Q.5 | (a) Explain the limitation and sources of error in research. | 06 |
| | (b) Discuss importance of computer in documentation of research work. | 05 |
| | (c) Describe various steps to establish Industry-institute interaction cell. | 05 |
| Q. 6 | (a) What is Audio visual aid? Explain importance of AV aids in a presentation. | 06 |
| | (b) Write short note on Oral presentation. | 05 |
| | (c) Write difference between Research paper writing and Thesis writing. | 05 |
| Q.7 | (a) Describe different reference styles used in writing research paper with example. | 06 |
| | (b) Write a short note on feasibility report. | 05 |
| | (c) Prepare a draft for MODROB proposal for sophisticated instrumental lab to be submitted to AICTE for funding. | 05 |
