

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
M. Pharm. – SEMESTER – II • EXAMINATION – WINTER 2013

Subject Code: 2920001

Date: 26-11-2013

Subject Name: Research Methodology

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.**

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|-------------|--|-----------|
| Q.1 | (a) Define “Research”. Write in detail about objectives of research. | 06 |
| | (b) Explain in detail about various types of research with examples. | 05 |
| | (c) Write a short note on research design. | 05 |
| Q.2 | (a) What is literature review? Discuss its objectives in detail. | 06 |
| | (b) Discuss in brief about various sources of literature review. | 05 |
| | (c) Write a note on importance and use of computer in research documentations. | 05 |
| Q.3 | (a) Define “Research proposal”. Write in detail about various steps involved in preparation of proposal for procurement of research grant. | 06 |
| | (b) Explain various government agencies as a research funding source. | 05 |
| | (c) Write a note on characteristics of good questionnaire. | 05 |
| Q.4 | (a) What are visual aids? Write its importance in presentation. | 06 |
| | (b) Explain in brief about importance of presentation skills in oral presentation. | 05 |
| | (c) Write a short note on feasibility report. | 05 |
| Q.5 | (a) Which are different sections of research paper writing? Explain in brief about ‘Results and Discussion’ section of research paper. | 06 |
| | (b) Discuss importance of industry-institute interaction in research. | 05 |
| | (c) Write differences between research paper writing and thesis writing. | 05 |
| Q. 6 | (a) Define Hypothesis. Write types, characteristics and functions of hypothesis. | 06 |
| | (b) Discuss about various techniques of documentation in the research. | 05 |
| | (c) Write a note on project cost analysis. | 05 |
| Q.7 | (a) What is research problem? Discuss in brief about criteria of a good research problem. | 06 |
| | (b) Explain various methods of data collection with example. | 05 |
| | (c) Write a note on limitations and sources of error in research. | 05 |
