

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

M.PHARM- SEM-II-EXAMINATION – JULY 2012

Subject code: 2920001

Date: 04/07/2012

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) | What is research proposal? Describe the steps involved in preparation of proposal for procurement of research grant. | 08 |
| | (b) | Give various sources for procurement of research grant. Describe two government agencies which give research grant. | 08 |
| Q.2 | (a) | What do you mean by research? Explain objectives of research. | 05 |
| | (b) | What is research problem? Describe the process for defining the research problem. | 06 |
| | (c) | Explain importance of data analysis in research. | 05 |
| Q.3 | (a) | What is literature review? Give its objectives. Discuss the various sources of literature review. | 10 |
| | (b) | Describe types, characteristics and functions of hypothesis. | 06 |
| Q.4 | (a) | Discuss the key factors for a successful oral presentation. | 08 |
| | (b) | What are visual aids? Why they are needed in presentation? How will you prepare your oral presentation using visual aids? Describe. | 08 |
| Q.5 | (a) | Give the differences between research paper writing and thesis writing. Describe various sections of research paper writing. | 16 |
| Q. 6 | (a) | How can one analyze the cost requirements for a project? Describe. | 06 |
| | (b) | Write a note on: Industry-Institution interactions. | 05 |
| | (c) | Describe feasibility report. | 05 |
| Q.7 | (a) | Discuss the characteristics of good questionnaire. | 06 |
| | (b) | What is documentation? Describe the various techniques of documentation. | 10 |
