

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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|-------------|-----|---|-----------|
| <b>Q.1</b>  | (a) | What is research proposal? Describe the steps involved in preparation of proposal for procurement of research grant.                | <b>08</b> |
|             | (b) | Give various sources for procurement of research grant. Describe two government agencies which give research grant.                 | <b>08</b> |
| <b>Q.2</b>  | (a) | What do you mean by research? Explain objectives of research.   | <b>05</b> |
|             | (b) | What is research problem? Describe the process for defining the research problem.   | <b>06</b> |
|             | (c) | Explain importance of data analysis in research.  | <b>05</b> |
| <b>Q.3</b>  | (a) | What is literature review? Give its objectives. Discuss the various sources of literature review.                                   | <b>10</b> |
|             | (b) | Describe types, characteristics and functions of hypothesis.  | <b>06</b> |
| <b>Q.4</b>  | (a) | Discuss the key factors for a successful oral presentation.   | <b>08</b> |
|             | (b) | What are visual aids? Why they are needed in presentation? How will you prepare your oral presentation using visual aids? Describe. | <b>08</b> |
| <b>Q.5</b>  | (a) | Give the differences between research paper writing and thesis writing. Describe various sections of research paper writing.        | <b>16</b> |
| <b>Q. 6</b> | (a) | How can one analyze the cost requirements for a project? Describe.  | <b>06</b> |
|             | (b) | Write a note on: Industry-Institution interactions.   | <b>05</b> |
|             | (c) | Describe feasibility report.  | <b>05</b> |
| <b>Q.7</b>  | (a) | Discuss the characteristics of good questionnaire.  | <b>06</b> |
|             | (b) | What is documentation? Describe the various techniques of documentation.  | <b>10</b> |

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