

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

M.Pharm Semester –II Examination Dec. - 2011

Subject code: 920001

Date: 05/12/2011

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 | What is hypothesis? Give differences between concept and variables. Describe types, characteristics, sources and functions of hypothesis. | 16 |
| Q.2 | <p>(a) Describe the various sources for procurement of research grant.</p> <p>(b) Describe the steps involved in preparation of proposal for procurement of research grant.</p> | <p>08</p> <p>08</p> |
| Q.3 | <p>(a) Describe the significance of scientific writing. Give the differences between research paper writing and thesis writing.</p> <p>(b) Discuss the 'Results and Discussion' section of research paper.</p> | <p>06</p> <p>10</p> |
| Q.4 | Describe the various methods of data collection with suitable example. Also give the merits and demerits of each method. | 16 |
| Q.5 | <p>(a) What is literature review? Give its objectives. Discuss the various sources of literature review.</p> <p>(b) What is research problem? Explain the criteria of a good research problem.</p> | <p>10</p> <p>06</p> |
| Q. 6 | <p>(a) What are the modes of industry-institute interaction? Discuss its importance in research.</p> <p>(b) Explain the term cost and cost analysis. Describe the cost incurred in clinical trials.</p> | <p>08</p> <p>08</p> |
| Q.7 | <p>Write short notes on following (Any Two):</p> <p>(a) Oral presentation</p> <p>(b) The Questionnaire.</p> <p>(c) Documentation.</p> | <p>16</p> |
