

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
M. Pharm. – SEMESTER – II • EXAMINATION – SUMMER • 2015

Subject Code: 2920001

Date: 12-05-2015

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 proposal”. Write various steps involved in preparation of proposal for procurement of research grant. | 06 |
| | (b) What is literature survey? Describe its sources in research. | 05 |
| | (c) Describe techniques used in documentation. | 05 |
| Q.2 | (a) What is IIPC? Describe the steps to establish IIPC. | 06 |
| | (b) Describe the characteristics of good questionnaire. | 05 |
| | (c) Explain in detail about various types of research with examples. | 05 |
| Q.3 | (a) Describe the various methods of data collection with suitable example. Also give the merits and demerits of each method. | 06 |
| | (b) Describe format of research report including its main body. | 05 |
| | (c) Patent searching – an essential part of literature review; Justify the statement. | 05 |
| Q.4 | (a) What are visual aids? How will you prepare your oral presentation using visual aids? Describe. | 06 |
| | (b) Write short note on tools in qualitative research. | 05 |
| | (c) Write a note on steps involved in research process. | 05 |
| Q.5 | (a) Enlist different sections of research paper. Discuss introduction and conclusion. | 06 |
| | (b) Describe the importance and use of computer in research documentation. | 05 |
| | (c) What is research problem? Explain the criteria of a good research problem. | 05 |
| Q. 6 | (a) Which are different sections of thesis writing? Explain in brief Abstract and Discussion writing | 06 |
| | (b) Discuss the objectives of research. | 05 |
| | (c) Write note on Research Design | 05 |
| Q.7 | (a) What is hypothesis? Describe types, sources and functions of hypothesis. | 06 |
| | (b) Write a note on: Figures and graphs in a research report. | 05 |
| | (c) Describe the cost analysis for research project. | 05 |
