Seat No.:	Enrolment No.
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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. **Q.1** Define "research proposal". Write various steps involved in preparation of proposal for 06 (a) procurement of research grant. What is literature survey? Describe its sources in research. 05 **(b)** Describe techniques used in documentation. 05 (c) What is IIPC? Describe the steps to establish IIPC. 0.2 06 (a) Describe the characteristics of good questionnaire. **(b)** 05 Explain in detail about various types of research with examples. (c) 05 Describe the various methods of data collection with suitable example. Also give the 0.3 (a) 06 merits and demerits of each method. **(b)** Describe format of research report including its main body. 05 Patent searching – an essential part of literature review; Justify the statement. (c) 05 **Q.4** What are visual aids? How will you prepare your oral presentation using visual aids? 06 (a) Describe. **(b)** Write short note on tools in qualitative research. 05 Write a note on steps involved in research process. 05 (c) Q.5 (a) Enlist different sections of research paper. Discuss introduction and conclusion. 06 Describe the importance and use of computer in research documentation. **(b)** 05 What is research problem? Explain the criteria of a good research problem. (c) 05 Which are different sections of thesis writing? Explain in brief Abstract and Discussion 06 Q. 6 (a)

What is hypothesis? Describe types, sources and functions of hypothesis.

Write a note on: Figures and graphs in a research report.

Describe the cost analysis for research project.

05

05

06

05

05

writing

(b)

(c)

(a)

(b)

(c)

Q.7

Discuss the objectives of research.

Write note on Research Design