

**C.U.SHAH UNIVERSITY**

Summer-2015

Subject Code: 5PS02RMD2

Subject Name: Research Methodology

Course Name: M.Pharm

Date: 20/5/2015

Semester: II

Marks: 70

Time: 10:30 TO 01:30

**Instructions:**

- 1) Attempt all Questions in same answer book/Supplementary.
- 2) Use of Programmable calculator & any other electronic instrument prohibited.
- 3) Instructions written on main answer book are strictly to be obeyed.
- 4) Draw neat diagrams & figures (if necessary) at right places.
- 5) Assume suitable & perfect data if needed.

**SECTION – I**

- Q.1** Define the following terms:
- |                            |   |
|----------------------------|---|
| a) Research                | 1 |
| b) Fixed cost              | 2 |
| c) Marginal cost           | 2 |
| d) Confounded relationship | 2 |
- Q.2** (a) Discuss in detail about different types of research with suitable examples and its significance. 05
- (b) Describe the sources of literature survey. 05
- (c) Discuss introduction and conclusion in research paper. 04

**OR**

- Q.2** (a) Describe how the research proposal for funding is prepared? 05
- (b) Describe the format of a research report. What does its main body comprise of? 05
- (c) Write a note on Questionnaire. 04
- Q.3** (a) Enlist funding agencies for research grant. Describe AICTE schemes for funding. 05
- (b) Explain the limitations and sources of error in research. 05
- (c) Write a note on Research Design. 04

**OR**

- Q.3** (a) Write the differences between research paper writing and thesis writing. 05
- (b) Write a note on: Figures and graphs in a research report. 05
- (c) Write a note on importance of Industrial-Institution interaction in Research. 04

**SECTION – II**

- Q.4** Define the following terms:
- |                     |   |
|---------------------|---|
| a) Documentation    | 2 |
| b) Abstract         | 2 |
| c) Errata           | 2 |
| d) Acknowledgements | 1 |



- Q.5** (a) Give the importance of cost analysis of project. Explain cost of “Procedures” and “Instrumentation” in detail. **05**
- (b) “Documentation is very important part of research” How? **05**  
Discuss about different techniques and recent advances in documentation.
- (c) Discuss the importance of presentation skills in an oral presentation. **04**
- OR**
- Q.5** (a) Define Hypothesis. Write types, characteristics and functions of hypothesis. **05**
- (b) Describe the various methods of data collection with suitable example. Write the merits and demerits of each method. **05**
- (c) Discuss the importance of “Eye Contact” and “Facial Expressions in oral presentations. **04**
- Q.6** (a) Discuss the steps to establish and running the industry institute partnership cell (IIPC) at your institute. **05**
- (b) Describe the importance and use of computer in documentation of research work. **05**
- (c) Explain various government agencies as a research funding source. **04**
- OR**
- Q.6** (a) Explain various methods of data collection with example. **05**
- (b) Write a note on various reference styles used in writing research papers. **05**
- (c) Write a note on project cost analysis. **04**

