

Enrollment No:- _____

Exam Seat No:- _____

C.U.SHAH UNIVERSITY

Summer-2015

Subject Code: 5TE02RSM1

Subject Name: Research Methodology

Course Name: M.Tech (All Branches)

Date: 18/5/2015

Semester:II

Marks:70

Time:02:30 TO 05:30

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

Que:1 Answer the following questions. (07)

A) Define the terms: (03)

- i) Alternative Hypothesis
- ii) Open Ended Questions
- iii) Questionnaire

B) Explain the terms 'Research Methods' and 'Research Methodology'. (04)

Que:2 (a) Write a detailed note on 'Objectives of Research'. (05)

Que:2 (b) What do you mean by research? Explain its significance in modern times. (05)

Que:2 (c) Differentiate between experiment research and survey research. (04)

OR

Que:2 (a) Write a detailed note on 'Criteria of good research'. (05)

Que:2 (b) Briefly describe the different steps involved in a research process. (05)

Que:2 (c) Differentiate between qualitative research and quantitative research. (04)

Que:3 (a) "Research is much concerned with proper fact finding, analysis and evaluation." Do you agree with this statement? Give reasons in support of your answer. (07)

Que:3 (b) What is research problem? Define the main issues which should receive the attention of the researcher in formulating the research problem. Give suitable examples to elucidate your points. (07)

OR

Que:3 (a) What is the necessity of defining a research problem? Explain. (07)

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18-5

Que:3 (b) Write a detailed note on ‘Components of a Research Problem’. (07)

SECTION II

Que:4 Define the following terms: (07)

- i) Glossary
- ii) Appendix
- iii) Abstract
- iv) List of Illustrations
- v) Index
- vi) List of Illustration
- vii) Frontispiece

Que:5 (a) What is Literature Review? Discuss the purpose and use of literature review in research. (05)

Que:5 (b) Give your understanding of a good research design. Is single research design suitable in all research studies? If not, why? (05)

Que:5 (c) What is plagiarism? Discuss the demerits of plagiarism in research. (04)

OR

Que:5 (a) What are the errors in Research? Discuss the types of errors in research. (05)

Que:5 (b) What is the importance of publishing a research? State the good qualities required for publishing a research on large scale. (05)

Que:5 (c) Differentiate between null hypothesis and alternative hypothesis? (04)

Que:6 (a) Critically examine the following: (10)

- (i) Interviews introduce more bias than does the use of questionnaire.
- (ii) Data collection through projective techniques is considered relatively more reliable.

Que:6(b) Differentiate between list of References and Bibliography. (04)

OR

Que:6 (a) Write short notes on: (10)

- (i) Depth interviews
- (ii) Important aspects of a questionnaire

Que:6 (b) Enlist the components of thesis and reports. (04)

