

Seat No. _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
RESEARCH METHODOLOGY EXAM – REMEDIAL 2018

Subject Code: PH001 [PHE]
Subject Name: Research Methodology
Time: 2:00 to 5:00 PM
Instructions:

Date: 01/09/2018

Total Marks: 70

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Subject relevant literature/book is permitted to carry in an exam hall (Use of E-Books, Laptops, Mobiles & I-pads is strictly prohibited).

- Q – 1 Write in brief: 15
- A. Write references of journal papers and books from your literature review in standard format.
 - B. How will you identify your Research Problem?
 - C. Distinguish between Qualitative and Quantitative Research Methodology.
- Q - 2 Write a project proposal for your research by following a structured sequence wherein you would: 25
1. Search for the state-of-the-art and facts to identify a problem,
 2. Conduct organized scientific investigations to solve the problem
 3. Test hypothesis
 4. Develop new theory, process or invent new products
 5. Identify further scope of modifying or expanding your hypothesis.
- Q -3 Write in Detail 20
- A. Describe practices that can lead to Unethical Practices in Publication.
 - B. Explain the factors to be considered in Research design.
 - C. List the features of bibliography management tools.
 - D. What are the important Quality Indices for Research Publications?
- Q – 4 Answer in brief 10
- A. Explain how plagiarism can be avoided.
 - B. Discuss H index and its calculation.
 - C. Write an abstract on your research topic
 - D. What is a Chi Square test?