

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
Ph.D. COURSE WORK EXAMINATION – REMEDIAL – SUMMER 2023

Subject Code: PHD2001

Date: 02/07/2023

Subject Name: Research Methodology (Management & Humanity-English)

Time: 01:30 PM to 03:00 PM

Total Marks: 35

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a)** You are expected to pick up any research problem of your choice and develop your research proposal with all required component of proposal. **10**
- (b)** How will you differentiate between descriptive statistics and inferential statistics? Describe the important statistical measures often used to summaries the survey/research data. **05**
- Q.2 (a)** List out various electronic databases. How electronic databases help in Literature Review? **05**
- (b)** “A research problem is a statement about an area of concern, a condition to be improved, a difficulty to be eliminated, or a troubling question that exists in scholarly literature, in theory, or in practice that points to the need for meaningful understanding and deliberate investigation” - Explain the steps in formulation of research problem in the above context. **05**
- Q.3 (a)** “Research design is a blueprint of a scientific study that includes research methodologies, tools, and techniques to conduct the research” In the context of above statement, explain the any one research design of your choice in detail. **05**
- (b)** Describe the following with an example **05**
- (i) Null Hypothesis
 - (ii) Alternative Hypothesis
 - (iii) Critical Region
 - (iv) Two types of errors
 - (v) Level of Significance
