

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
Ph.D. COURSE WORK EXAMINATION (REMEDIAL) – WINTER 2025

Subject Code: PHD2201

Date: 12/10/2025

Subject Name: Research Methodology_Management & Humanity-English

Time: 01.30 PM – 04.30 PM

Total Marks: 70

Instructions:

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

- Q.1** (a) What is a descriptive cross-sectional research design? Explain its characteristics, advantages, and limitations with suitable examples 10
- (b) Explain the key steps involved in formulating a research problem. 10
- Q.2** (a) Explain the role of descriptive statistics in research. Discuss the measures of central tendency and dispersion with suitable examples 10
- (b) You have been asked to prepare your research proposal by your supervisor. How will you respond to him? 10
- OR**
- Q.2** (a) Research design is a blueprint of scientific inquiry - Explain its importance from the scientific research point of view. 10
- (b) Discuss in detail the significance of the case study method as a research approach in the field of management 10
- Q.3** (a) Explain in brief sampling methods for research. 5
- (b) Explain APA style of in-text citation and references with examples. 5
- Q.4** (a) Define primary data and secondary data with one example each. 5
- (b) In the context of a hypothesis as a testable explanation, outline and explain the steps of hypothesis testing 5
- Q.5** (a) Explain null hypothesis and an alternative hypothesis with examples. 5
- (b) Differentiate between qualitative and quantitative data analysis. 5
