



School of Digital Health

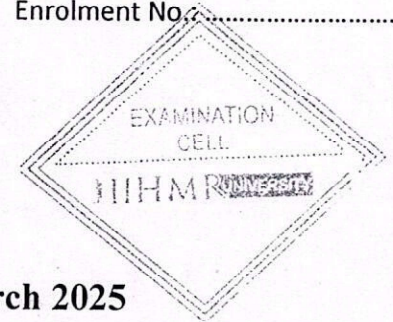
MBA Healthcare Analytics

Batch-01st (2024-2026)

First Year, Term 2, End Term Examinations, March 2025

CC – 612 Research Methods

Enrolment No.



Time - 3 Hour

Maximum Marks: 50 (Minimum Marks: 20)

Instructions to students:

- This question paper contains 2 printed pages.
- Don't write anything on the Question Paper except writing your Enrolment No.

Part A

(Maximum Marks: 5)

Q1. Choose the correct option for the following questions (1 mark each):

- What is a key characteristic of quasi-experimental studies?
 - Random assignment of participants
 - Lack of a control group
 - No manipulation of variables
 - No randomization but includes intervention
- Which of the following is NOT a type of non-intervention study?
 - Cohort study
 - Case-control study
 - Experimental study
 - Cross-sectional study
- The main advantage of qualitative research over quantitative research is:
 - It allows for generalization of results
 - It provides in-depth insights into human behavior
 - It is easier to conduct and analyze
 - It uses statistical techniques
- What is a confounder in research?
 - A variable that influences both the dependent and independent variable
 - A variable that is manipulated by the researcher
 - A variable that cannot be measured
 - A variable that is always included in the final analysis
- In the data analysis plan, what is the first step researchers should take?
 - Perform statistical analysis
 - Clean and code the data
 - Interpret the findings
 - Collect more data

Part B

(Maximum Marks: 15)

Answer any three of the following questions (5 marks each):

- Q2. Differentiate between cohort studies and case-control studies with examples.
- Q3. What are the different types of sampling methods? Provide examples.
- Q4. Explain the importance of ethics in health and hospital research.
- Q5. Describe the role of ICF in research and list its key points.

Part C

(Maximum Marks: 30)

Answer any three of the following questions in detail (10 marks each):

- Q6. Discuss the different types of research designs and their applications in healthcare research.
- Q7. Explain the importance of quantitative and qualitative research approaches. How do they differ in methodology and analysis?
- Q8. Discuss bias and confounding in research. Explain strategies to minimize these issues to ensure valid research findings.
- Q9. Explain the ethical guidelines for research involving human participants. Discuss the significance of the Helsinki Declaration in modern research ethics.

