IIHMR DELHI | INTERNATIONAL INSTITUTE OF HEALTH MANAGEMENT RESEARCH

Fellow Program in Management

FPM (2024-2027 Batch)

First Semester End Examination

Course & Code	:	**Research Methodology-FP 632**	**Reg. No.**	:	
Semester & Batch	:	**I, 2024-27**	**Date**	:	**24-02-2025**
Time & Duration	:	**02:00-05:00 p.m. (3 Hrs.)**	**Max. Marks**	:	**70**

Instructions:

- Budget your time as per the marks given for each question and write your answer accordingly.

Part A: Q.1 to Q.6 (5 questions *6 Marks = 30 Marks) **Attempt any five**

Q1. What are the potential biases that can affect the validity of case control and cohort study designs? Explain with examples.

Q2. Explain the concept of equipoise and its relevance in conducting Randomized Controlled Trials.

Q3. What are reporting guidelines in research and what are their relevance? Give examples of reporting guidelines for main study types.

Q4. Discuss the challenges of conducting research in online environments. Explain the strategies researchers can use to ensure the quality and security of online data.

Q5. Discuss the ethical considerations to be kept in mind while publishing one's research work, using relevant examples.

Q6. Discuss the importance of literature review in the research process. Mention the steps in the research process where literature review is useful.

Part B: Q.7 to Q.11 (4 questions *10 Marks = 40 Marks) **Attempt any four**

Q7. Explain how quantitative research differs from qualitative research. What is the usefulness of mixed methods research design in healthcare research? Explain with examples.

Q8. What are the ethical considerations to be kept in mind in research involving human participants? Discuss some potential ethical issues in experimental (intervention) research and describe strategies researchers can employ to address these concerns.

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Q9. What is the importance of estimating sample size in quantitative research? What information will you require to calculate sample size for a study which aims to estimate difference in proportion between two groups?

Q10. Describe the hierarchy of evidence in research. Discuss the considerations involved in choosing an appropriate research design for a study.

Q11. What is Health Policy and Systems Research (HPSR)? Explain how WHO health systems framework is useful in health systems research.