

**DEPARTMENT OF MANAGEMENT
SCHOOL OF MANAGEMENT & BUSINESS STUDIES
JAMIA HAMDARD**

Ph.D. Course Work, 2024

Subject Name: **Research Methodology**
Subject Code: **DRM-101**

MM: 75

Time: 03Hours

Note: Answer any **five** Questions, each carrying equal marks.

Q1. Imagine you are conducting a study investigating the impact of a mindfulness-based intervention on reducing stress levels among college students during exam periods. Design a research study outlining the specific research objectives, the research design you would use, and how you would measure stress levels before and after the intervention. Discuss potential challenges you might encounter in implementing this research design and how you would address them.

Q 2.(a) A technology company is interested in improving user engagement and satisfaction with its mobile fitness app. Design a usability study to assess the app's interface design, navigation features, and overall user experience. Outline the research objectives and sampling strategy for recruiting participants. (7 marks)

(b) Design a questionnaire for the same. (8 marks)

Q 3.(a) "The social world can be interpreted subjectively." Discuss. Explain Positivism and Interpretivism as the two major types of research philosophy. (7 marks)

(b) Choose a hypothetical research situation to explain the concept of action research (8 marks)

Q 4. (a) Differentiate between primary and secondary research papers. Provide an example of each in your field of study. (7 marks).

(b) Discuss two research paper formats (other than primary research articles) that you would consider using in your PhD research and explain the rationale for your choices. (8 marks)

Q 5. (a) Describe two potential issues related to data manipulation in research. Explain the consequences of such misconduct for the researcher and the scientific community (7 marks).

(b) Outline the importance of research transparency and responsible communication of findings. Briefly discuss the potential consequences of scientific misconduct on the research community. (8 marks).

Q 6.1. A study of the Satisfaction level of students concerning online teaching was undertaken in three school formats: Public, Private, & Charter. Below is the output for the SPSS ONEWAY ANOVA and POSTHOC Multiple comparisons to compare the means of satisfaction level of teachers in three different school types (public, private and charter)

ANOVA
Satisfaction Level of Students

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	30.000	2	15.000	8.182	.006
Within Groups	22.000	12	1.833		
Total	52.000	14			

Post Hoc Tests
Multiple Comparisons

DV: Satisfaction Student Satisfaction

		Mean		
School Section Type		Mean	df	Mean Square
Public HSD	2,000 public	7.500	4	1.875
	1,000 private	8.500	4	2.125
Total		8.000	8	2.000

- Formulate the research question and research objective
- Identify the independent & dependent variable
- State the null and alternate hypothesis
- Interpret the SPSS output of ANOVA and POSTHOC Multiple comparisons.

Q 7. Why do you need to review the existing literature? How is the traditional literature review different from the Systematic literature review?

Q 8. What is IPP? Discuss the importance of research metrics in research publications.