

**FACULTY OF HEALTH SCIENCES
DEPARTMENT OF NURSING SCIENCE**



PROGRAMME : M CUR

SUBJECT : RESEARCH METHODOLOGY (**PAPER 2**)
MODULE 3: THE RESEARCH PROCESS: DESIGN STEPS
MODULE 4: THE RESEARCH PROCESS: CONCLUDING STEPS

CODE : MRMV138

DATE : OCTOBER/NOVEMBER EXAMINATION 2014

DURATION : 3 HOURS

WEIGHT : 50:50

TOTAL MARKS : 100 MARKS

EXAMINER : DR C DOWNING

MODERATOR : PROF J MARITZ (UNISA)

NUMBER OF PAGES : THIS PAPER CONSISTS OF THREE (3) PAGES

INSTRUCTIONS : PLEASE RETURN THE EXAMINATION PAPER

REQUIREMENTS : USE OF CALCULATORS ALLOWED

INSTRUCTIONS TO CANDIDATES:

ANSWER ALL QUESTIONS.
IN YOUR OWN INTEREST, WRITE LEGIBLY.

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QUESTION 1

1.1 Communicating research findings often involves presenting a large amount of detailed information by means of illustrations and tables. Describe the precautions you would take in developing such accurate, clear illustrations and tables for a report. (8)

1.2 Critically analyse the following data presentations:

1.2.1 Table A: Main themes of data

Main themes	Sub-themes	Categories	Codes	Remarks
Anger	Frustration	Hostility	7.710	Very difficult respondents
	Rage	Impulsive	7.720	
Social behaviours	Lying	White lies, major lies	4.6	Not very good responses to be relied on
	Evading		4.4	
	Avoiding		4.7	

(5)

1.3 An **appropriate formulation style** and **optimal choice of wording** are considered to be cardinally important in constructing a research questionnaire.

1.3.1. Describe the principles you would bear in mind to ensure these aspects. (12)

***[25]**

QUESTION 2

Consider the following data set which is in percentages obtained from a survey on patient pain ratings:

10 42 17 90 68 26 39 51 44 82

56 34 74 78 58 56 49 68 62 84

2.1 Define and calculate the mean, the mode and the median. (10)

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2.2 Plot the distribution curve of these data, and show the position of the mean, mode and median on the curve. (10)

2.3 Describe the shape of the curve, and describe what this means to you as a researcher. (5)
*[25]

QUESTION 3

The interpretation process involves explaining the meaning of information. The researcher translates the results of analysis into findings and then interprets by attaching meaning to the findings.

3.1 Describe the following intellectual activities to be explored within the process of interpretation:

3.1.1 Examining evidence from the data analysis process (10)

3.1.2 Exploring the significance of findings (15)

*[25]

QUESTION 4

4.1 You decide to use focus group interviews with parents as a method of data collection in a study on parents' experiences of child disciplining methods. Describe how you would use focus groups to collect data. (10)

4.2 Construct examples of the following scaling methods:

4.2.1 Likert scale (3)

4.2.2 Semantic differential scale (3)

4.2.3 Visual analogue scale. (3)

4.3 Categories are developed when using content analysis methods. Describe how you would generate such categories. (6)

*[25]