

UNIVERSITY OF SWAZILAND
DEPARTMENT OF ADULT EDUCATION
PART TIME DIPLOMA IN ADULT EDUCATION YEAR II
MAIN EXAMINATION PAPER, MAY 2015

TITLE OF PAPER: RESEARCH DESIGN AND TECHNIQUES

COURSE CODE: DAE 116

TIME ALLOWED: TWO (2) HOURS

- INSTRUCTIONS:**
- 1. ANSWER ALL QUESTIONS FROM SECTION A.**
 - 2. ANSWER ANY THREE QUESTIONS FROM SECTION B.**
 - 3. ALL QUESTIONS IN SECTION B CARRY EQUAL MARKS**

THIS PAPER IS NOT TO BE OPENED UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR

SECTION A : Compulsory

INSTRUCTIONS : answer ALL questions

QUESTION 1

The main purpose for a pilot study in educational research is to:

- a) obtain funds for subsequent research
- b) determine whether there is any interest in the topic before the research launches a major project.
- c) test and improve the research plan
- d) Provide opportunities for graduate students to get research experience. (2 Marks)

QUESTION 2

The document which shows the plan of how a research project is to be undertaken is called a:

- a) research document
- b) research report
- c) research proposal
- d) research instrument. (2 Marks)

QUESTION 3

If a distribution is negatively skewed it means the test was very difficulty

True/False (3 Marks)

QUESTION 4

When writing the research report, information regarding the study design is normally included in the _____ section:

- a) method
- b) review of literature
- c) introduction
- d) results. (2 Marks)

QUESTION 5

The measures of central tendency that is/are appropriate for use with nominal data is/are:

- a) the median only
- b) the mode only
- c) the median and the mean
- d) the median and the mode.

(2 Marks)

QUESTION 6

In a normal distribution, what percentage of the scores falls between one standard deviation below the mean and one standard deviation above the mean?

- a) 16%
- b) 50%
- c) 68%
- d) 90%

(2 Marks)

QUESTION 7

The abstract is included in the:

- a) end matter
- b) front matter
- c) appendices
- d) body of the report.

(2 Marks)

QUESTION 8

Observational research, as a form descriptive research:

- a) focuses on rich narrative descriptive of the phenomenon of interest
- b) involves counting or rating of behavior in as objective a manner as possible
- c) relies on open-ended techniques that respond to the evolving situation
- d) allows the research to gather behavioral data in relatively quick and easy manner.

(2 Marks)

QUESTION 9

Regarding the length of questionnaires to be used in survey research, which of the following statements is most accurate?

- a) including a large number of items on the survey assures that you will get useful data for all your trouble.
- b) keeping the survey short makes it more lively people will be willing to complete it.
- c) a relatively lengthy survey communicates your seriousness about the research endeavour so people will be willing to complete it.
- d) shorter surveys produce data that are ambiguous and therefore not useful. (2 Marks)

QUESTION 10

A general term that is used to describe a distribution of data that is not symmetrical is a:

- a) bell-shaped distribution
- b) normal distribution
- c) abnormal distribution
- d) skewed distribution. (2 Marks)

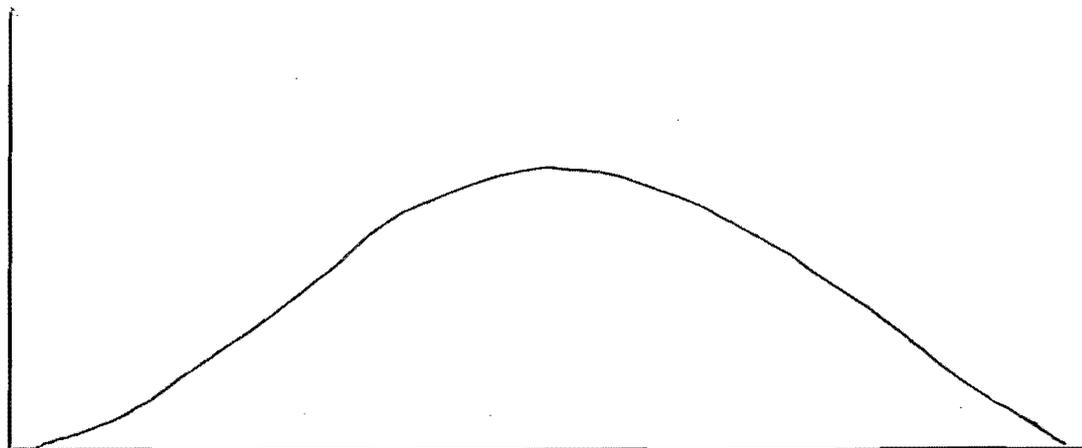
QUESTION 11

Mention the FOUR ethical issues that researches need to adhere to. (4 Marks)

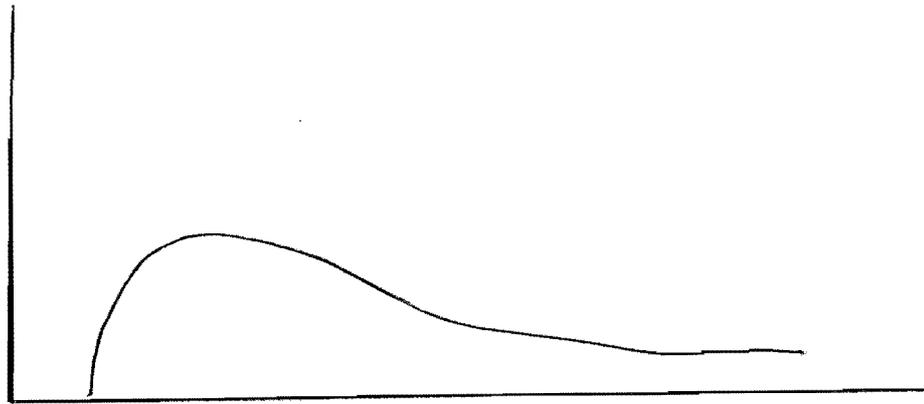
SECTION B: Answer any three questions

QUESTION 12

- a) Outline 5 guidelines for maximising the return of mail questionnaires. (10 Marks)
 - b) Label the distribution curves below showing the positions of the mode, mean and median. Also classify them in terms of symmetry and skeweness.
- i)



ii)



(15 Marks)

QUESTION 13

a),	Class Interval	f(frequency)
	10 – 19	2
	20 – 29	5
	30 – 39	12
	40 – 49	17
	50 – 59	14
	60 – 69	7
	70 – 79	2

Work out the mean for the above distribution.

(17 Marks)

b) List the four scales of measurement

(8 Marks)

QUESTION 14

a) i) Outline four guidelines in conducting face-to-face interview in a quantitative study. (8 Marks)

ii) In which scale of measurement are the following:

- 1) Student gender
- 2) Test scores
- 3) Rank positions on a test.

(9 Marks)

b) Discuss the following ethical issues in social science and educational research:

- i) Protection from harm.
- ii) Honesty with Professional colleagues. (8 Marks)

QUESTIONS 15

Give a detailed outline of a research proposal. (25 Marks)