

**UNIVERSITY OF SWAZILAND**  
**FACULTY OF EDUCATION**  
**DEPARTMENT OF ADULT EDUCATION**  
**PART-TIME DIPLOMA IN ADULT EDUCATION YEAR I**

**SUPPLEMENTARY EXAMINATION JULY, 2014**

**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 (3) QUESTIONS FROM SECTION B.**

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

## **SECTION A: COMPULSORY**

INSTRUCTIONS: Answer ALL questions. Choose an option that best fits an answer to the following questions/statements.

### **QUESTION 1**

Among survey methods, \_\_\_\_\_ generally generate the highest response rate and \_\_\_\_\_ generally generate the lost response rate.

- a) Face to face interview; telephone interviews
- b) Telephone interviews; questionnaires
- c) Face-to-face; questionnaires
- d) Questionnaires, telephone interviews (2 marks)

### **QUESTION 2**

Professor Dlamini is constructing a demographic questionnaire for use in a research project. One question asks students to report their age in years. This is an example of a/an:

- a) Nominal scale
- b) Ordinal scale
- c) Interval scale
- d) Ratio scale (2 marks)

### **QUESTION 3**

Professor Dlamini is constructing a demographic questionnaire for use in a research project. One questions asks the students to report on whether they are currently living in an “urban”, “suburban” or “rural” setting. This is an example of a/an

- a) Nominal scale
- b) Ordinal scale
- c) Interval scale
- d) Ratio scale (2 marks)

**QUESTION 4**

The main difference between an interval and a ratio scale is that only one of them:

- a) Includes an absolute zero
  - b) Uses equal units of measurements
  - c) Supports the use of statistical analysis
  - d) Is used in research with human subjects
- (2 marks)

**QUESTION 5**

Outline FOUR guidelines for increasing the rate of return for mail questionnaires.

(8 marks)

**QUESTION 6**

Here is a set of scores; 5, 3, 7, 3, 6, 2, 5, 3. The mean of this set of scores is \_\_\_\_\_

- a) 3
  - b) 4
  - c) 4.25
  - d) 4.5
- (2 marks)

**QUESTION 7**

Here is a set of scores: 5, 3, 7, 3, 6, 2, 5, 3. The median of this set of scores is

- a) 2
  - b) 3
  - c) 4
  - d) 4.5
- (2 marks)

**QUESTION 8**

Copies of the survey instruments are included in the:

- a) Front matter
  - b) End matter
  - c) Appendices
  - d) Body of the report
- (2 marks)

**QUESTION 9**

If a distribution is positively skewed it means the test was easy.

TRUE/FALSE

(3 marks)

**SECTION B: ANSWER ANY THREE QUESTIONS**

**QUESTION 10**

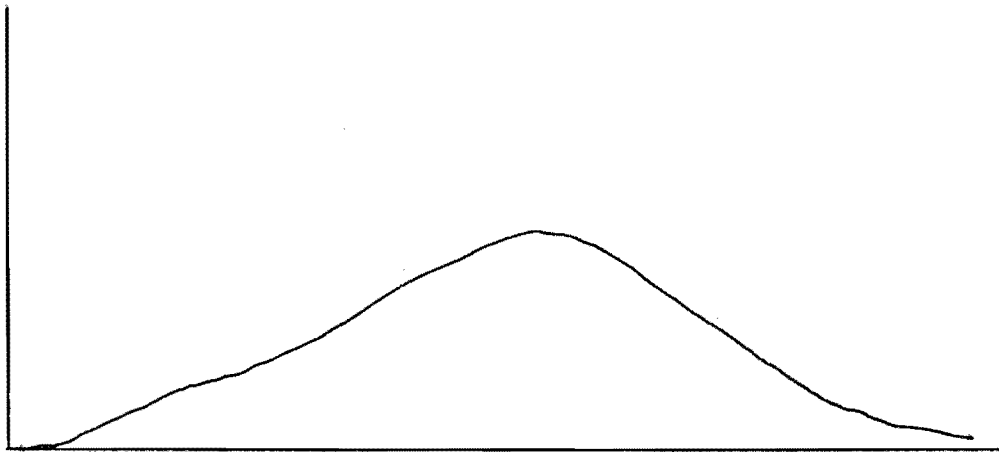
- a) Explain the importance of informed consent in a research study. (12 marks)
- b) Show the common shapes of frequency distributions. (13 marks)

**QUESTION 11**

When critiquing a research report, what are the ten (10) aspects to be considered? (25 marks)

**QUESTION 12**

- a) Label the drawing/curve below and indicate the nature of the distribution.



- b) Mention five guidelines which should be followed in conducting face-to-face interviews. (15 marks)

**QUESTION 13**

Using the frequency distribution below, calculate the mean

<u>Score</u>	<u>F</u>
48	1
47	4
46	5
45	9
44	12
43	10
42	6
41	4
40	3
39	1

(25 marks)