

UNIVERSITY OF ESWATINI  
FACULTY OF EDUCATION  
DEPARTMENT OF ADULT EDUCATION  
DIPLOMA IN ADULT EDUCATION LEVEL 2

MAIN EXAMINATION, MAY 2019

TITLE OF PAPER: INTRODUCTION TO RESEARCH DESIGN  
AND TECHNIQUES  
COURSE CODE: AED202  
TIME ALLOWED: THREE (3) HOURS

INSTRUCTIONS: 1. ANSWER FOUR QUESTIONS; TWO  
FROM EACH SECTION  
2. DO NOT WRITE ON THE QUESTION  
PAPER

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

## SECTION A

### *ANSWER TWO QUESTIONS FROM THIS SECTION*

#### QUESTION 1

Write short explanatory notes on the following data collection techniques:

- a) Participant observation [5 marks]
- b) Telephone interview [5 marks]
- c) Questionnaire [5 marks]
- d) Face to face interview [5 marks]
- e) Document analysis [5 marks]

#### QUESTION 2

Examine five (5) ethical issues that you need to observe as a researcher when conducting your study. [25 marks]

#### QUESTION 3

- a) Describe any two quantitative data collection methods [10 marks]
- b) Explain what would make to prefer to use qualitative data collection methods over quantitative data collection methods. [15 marks]

## SECTION B

### *ANSWER TWO QUESTIONS FROM THIS SECTION*

#### QUESTION 4

Write short explanatory notes on the following:

- a) Standard deviation [5 marks]
- b) Mean [5 marks]
- c) Mid-range [5 marks]
- d) Range [marks]
- e) Median [5 marks]

### QUESTION 5

For the following data set, compute the variance and standard deviation

35, 45, 30, 35, 40, 25. [25 marks]

### QUESTION 6

a) For the following distribution, find the median

684, 764, 656, 702, 856, 1133, 1132, 1303 [10 marks]

b) For the following distribution, find the mean:

\$2.0, 4.9, 6.5, 2.1, 2.1, 5.1, 3.2, 16.6.

[15 marks]