UNIVERSITY OF SWAZILAND

INSTITUTE OF DISTANCE EDUCATION

BACHELOR OF EDUCATION (ADULT EDUCATION) YEAR 4

MAIN EXAMINATION, MAY 2017

TITLE: RESEARCH METHODS IN ADULT EDUCATION II

COURSE CODE: IDE-BAE412

TIME ALLOWED: THREE (3) HOURS

INSTRUCTIONS

1. SECTION A IS COMPULSORY
2. ANSWER TWO QUESTIONS FROM SECTION B

SECTION A

QUESTION 1

Define the following measures

    a) mean
    b) range
    c) mode
    d) median
    e) standard deviation
      [2 x 5 =10 marks]

QUESTION 2

Using the frequency distribution table below; find the mean & standard deviation. The data represents the number of miles run during the week for a sample of 20 runners

CLASS	FREQUENCY
5.5 – 10.5	1
10.5 – 15.5	2
15.5 – 20.5	3
20.5 – 25.5	5
25.5 – 30.5	4
30.5 – 35.5	3
35.5 40.5	2
	20

    a) Calculate the mean **[15 marks]**
    b) Find the variance **[15 marks]**
    c) Calculate the standard deviation **[10 marks]**

[Total = 40 marks]

SECTION B

QUESTION 3

Discuss the importance of ensuring validity in research, highlighting at least four types of validity known to you. **[25 marks]**

QUESTION 4

Examine two data collection methods that you know, highlighting their strengths and weaknesses. **[25 marks]**

QUESTION5

Critically discuss three scales of measurement and demonstrate their significance in the data that a researcher collects. **[25 marks]**