UNIVERSITY OF ESWATINI

FACULTY OF EDUCATION

DEPARTMENT OF ADULT EDUCATION

MAIN EXAMINATION, MAY 2019

DIPLOMA IN ADULT EDUCATION LEVEL 3

COURSE TITLE: INTRODUCTION TO DATA ANALYSIS

COURSE CODE: AED302

TIME: THREE (3) HOURS

INSTRUCTIONS: 1. ANSWER TWO (2) QUESTIONS IN SECTION A AND TWO (2) QUESTIONS IN SECTION B MAKING A TOTAL OF FOUR

2. ANSWER EACH SECTION IN A <u>SEPARATE</u> <u>ANSWER BOOK</u>

SECTION A: QUALITATIVE DATA ANALYSIS

Answer any two (2) questions from this section.

Question 1
Explain five ways (methods) of analysing qualitative data. Give one example in each method to demonstrate your understanding. (25)

Question 2
(a) Discuss the importance of qualitative data analysis in research, using relevant examples. (10)

(b) Explain the five steps to follow when analysing qualitative data. Give one example in each step. (15)

Question 3
Table 1. Participants' views of information sharing at three campuses

Branch campus	Activities named (a)	Most effective (b)	Why (c)
Campus A	Structured seminars (voluntary) E-mail Informal meetings Lunchtime meetings	Structured seminar E-mail	Concise way of communicating a lot of information
Campus B	Brown bags E-mail Department newsletter	Brown bags	Most interactive
Campus C	Workshops (voluntary) Structured seminar (compulsory)	Structured seminar	Compulsory Structured format works well

(i)Examine the displayed data, showing the constant comparison process of comparing and contrasting responses across the three campuses. (15)

(ii) Draw the conclusion and verification about effective means of information sharing in the three sites. (10)

SECTION B

ANSWER TWO QUESTIONS FROM THIS SECTION

ANSWER THIS SECTION IN A SEPARATE ANSWER BOOKLET

QUESTION 4

a) **For table 1 below, fill in the appropriate measure that you could use for the identified data type.**

Type of data	Measures of central tendency - average	Measures of dispersion - spread
Nominal		
Ordinal		
Interval / ratio		

[6 marks]

b) Using examples; describe at least 3 types of variable analyses known to you.
   [8 marks]
c) Explain how you would construct a bi-variate table. **[6 marks]**
d) Why is it important for you as a researcher to develop a code book?
   [5 marks]

QUESTION 5

a) Describe how you would treat missing values in your data set
   [6 marks]

a) What is a purpose of a code book? **[6 marks]**

b) Using 8 variables in your measurement tool, design your code book. **[13 marks]**

QUESTION 6

Table 2 below is a contingency table

a) Identify the dependent and independent variables **[5 marks]**
b) Present the findings from table 1 **[12 marks]**

Table 2: Age and listening to religious programmes

Listen to religious programmes	Young listeners	Old listeners
Yes	17%	26%
No	83%	74%
Total	100%	100%