UNIVERSITY OF ESWATINI

FACULTY OF EDUCATION

DEPARTMENT OF EDUCATIONAL FOUNDATIONS AND MANAGEMENT

FINAL EXAMINATION PAPER

2020/2021 FIRST SEMESTER

POST GRADUATE CERTIFICATE IN EDUCATION (Full Time and Part-Time)

COURSE CODE:	EFM 513
COURSE TITLE:	EDUCATIONAL EVALUATION
TIME ALLOWED:	THREE (3) HOURS
INSTRUCTION:	1. THIS PAPER IS OF TWO SECTIONS (**A** AND **B**). 2. ANSWER ANY TWO QUESTIONS FROM SECTION **A** 3. ANSWER ANY **TWO** QUESTIONS FROM SECTION **B**
TOTAL MARKS:	100

THIS PAPER IS NOT TO BE OPENED UNTIL YOU ARE PERMITTED TO DO SO

SECTION A: Answer any two questions

Question 1

1a. Compare and contrast each of the following pairs of terms

i. Standardized achievement test and teacher made achievement test **8marks**

ii. Verbal test and Non-verbal test **8marks**

b. Identify four ways in which the reliability of test items can be estimated and explain any one. **9marks**

Total=25marks

Question 2

a. Discuss any three purposes of assessment during the teaching and learning process **15marks**
b. State five ways in which the objectivity of essay test items can be improved **10marks**

Total=25marks

Question 3

a. Explain the term "table of specification" **5marks**
b. State five factors that may prevent tests from functioning well **10marks**
c. Identify four characteristics of continuous assessment and explain any one **10marks**

Total=25marks

Section B: Answer any two questions

Question 4

1a. Briefly explain the term "correlation" in relation to statistics. **3marks**

b. In a test administered by a class teacher to find out the degree of relationship between the performance of Ten (10) learners in English Language and Siswati Language as presented in table 1

Table 1: Learner scores in two subjects

Learner	A	B	C	D	E	F	G	H	I	J
English (X)	12	10	7	15	16	20	14	17	13	18
Siswati (Y)	15	14	10	16	13	15	11	18	17	12

Use the information above to:

i. Compute the correlation coefficient value between English and Siswati using Pearson Product Moment Correlation (PPMC) formula $\{\frac{N\sum XY - \sum X\sum Y}{\sqrt{\{N\sum X^2 - (\sum X)^2\}\ \{N\sum Y^2 - (\sum Y)^2\}}}\}$ **(21marks)**

ii. State the type of relationship that exists between the performance of learners in the two subjects **(1mark)**

Total=25marks

Question 5

A set of data consist of the following scores: 21, 14, 18, 15, 20, 19, 9, 16, 12, 25, 24. Use the scores to compute the values for the following:

i. Mean of the distribution **(2marks)**
ii. Variance **(15marks)**
iii. Quartile one (Q1) **(3marks)**
iv. Quartile three (Q3) **(3marks)**
v. Interquartile range **(2marks)**

Total=25marks

Question 6

a. State any five ways in which data can be represented graphically **(5marks)**
b. Differentiate between difficulty index and discriminating power of test items **(8marks)**
c. Table 2 shows the scoring of test items of the upper 25% and lower 25% of students in multiple-choice objective test in Mathematics. In the item scoring scheme, √ represent correct answer while **X** represent the incorrect answer.

Table 2: Scoring of test items of selected Upper 25% and Lower 25% students

Students	Items						
	1	2	3	4	5	6	
Mary	√	√	√	√	√	√	U25
John	√	√	X	√	√	√	
Joy	√	X	√	X	√	√	
Robert	X	X	√	√	X	√	L25
James	√	X	X	X	√	X	
Patricia	X	X	X	X	√	X	

Use the information in the table to compute the difficulty index (P) of each item

(12marks)

Total=25marks