

UNIVERSITY OF ESWATINI



FACULTY OF EDUCATION

DEPARTMENT OF EDUCATIONAL FOUNDATIONS AND MANAGEMENT

SUPPLEMENTARY EXAMINATION

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. Mention any four assessment techniques appropriate for evaluating learning outcome and explain any one out of the four mentioned. **10marks**
- b. Explain each of the following terms used in educational evaluation
- i. Validity **5marks**
 - ii. Test **5marks**
 - iii. Measurement **5marks**

Total=25marks

Question 2

- 2a. State any five characteristics of teacher made achievement test **10marks**
- b. Explain restricted essay type of test and give one example **5marks**
- c. State five importance of continuous assessment **10marks**

Total=25marks

Question 3

- 3a. Discuss any one out of the methods for scoring multiple-choice test items **5marks**
- b. Differentiate between each of the following pairs of terms
- i. Summative and formative evaluation **10marks**
 - ii. Specific objective and general objective **10marks**

Total=25marks

SECTION B: Answer any two questions

Question 4

- 4a. Explain the term 'Quantile' **5marks**
- b. Table 1 shows the scores obtained by ten (10) selected students in EFM 314 test in the 2019/2020 academic year.

Table 1: Students' scores in EFM 314

Students	A	B	C	D	E	F	G	H	I	J
Scores	12	10	7	15	16	20	14	17	13	18

Use the set of scores presented in Table 1 to calculate:

- i. Mean of the distribution **3marks**
 - ii. Standard deviation **10marks**
 - iii. Median **3marks**
 - iv. Range **2marks**
- c. How many students scored above the mean value? **2marks**
- Total=25marks**

Question 5

5a. Discuss any two out of the following types of scores

- i. Raw scores **5marks**
 - ii. Percentile rank scores **5marks**
 - iii. Standard scores **5marks**
- b. Table 2 shows the scoring of test items of the upper 33% and lower 33% of students in multiple-choice objective test in English Language. In the item scoring scheme, \checkmark represent correct answer while **X** represent the incorrect answer.

Table 2: Scoring of test items of selected Upper 33% and lower 33% students

Student	Items						
	1	2	3	4	5	6	
Emily	\checkmark	\checkmark	\checkmark	\checkmark	X	\checkmark	U33
Michael	\checkmark	\checkmark	X	X	\checkmark	\checkmark	
Oliver	\checkmark	X	\checkmark	X	\checkmark	\checkmark	
Amelia	\checkmark	X	\checkmark	X	X	X	L33
Jennifer	X	X	X	X	\checkmark	X	
Jacob	X	X	X	X	X	X	

Use the information in Table 2 to compute the discriminating power of each item

15marks

Total=25marks

Question 6

- a. Explain any two out of the following terms with relevant examples
- i. Array **3marks**
 - ii. Frequency **3marks**
 - iii. Class limit **3marks**
- b. The distribution of scores in Table 3 represents the scores of seven (7) students in Mathematics and Physics.

Table 3: scores of students in Practical Chemistry and Physics

Chemistry	16	20	22	17	18	21	15
Physics	17	18	19	20	22	19	16

Use the information in Table 3 to compute the correlation coefficient value using Spearman's Rank formula $\{1 - \frac{6\Sigma D^2}{N(N^2-1)}\}$. **(19marks)**

Total=25marks