University of Swaziland

Faculty of Education

Department of Educational Foundations and Management

JULY, 2011

SUPPLEMENTARY EXAMINATION PAPER

COURSE CODE	:	EDF 321
TITLE OF PAPER	:	MEASUREMENT AND TESTING
TIME ALLOWED	:	THREE (3) HOURS
INSTRUCTIONS	:	1. THIS PAPER IS IN TWO PARTS.
		2. ANSWER ALL ITEMS IN SECTION A BY PUTTING A CIRCLE AROUND THE CORRECT RESPONSE ON THE ANSWER CARD PROVIDED.
		3. YOU ARE ADVISED TO SPEND NOT MORE THAN 30 MINUTES IN THIS SECTION.
		4. ANSWER ALL QUESTIONS IN SECTION B.
		5. ANSWER SECTION B IN THE ANSWER BOOKLET.
		6. ANSWER CARDS ARE PROVIDED, FOR SECTION A.

TOTAL MARKS	:	100

THIS PAPER IS NOT TO BE OPENED UNTIL PERMISSION TO DO SO HAS BEEN GRANTED BY THE INVIGILATOR.

SECTION A

Answer all items in this section. Each item carries 1 mark.

1. Senelisiwe has a mental age of 8 and a chronological age of 5. What is her IQ?
    a. 160
    b. 140
    c. 120
    d. 80

2. Fanasibili's Geography score puts him in the 80th percentile. This means
    a. he performed better than 20% of his classmate
    b. his performance puts him in the top 20
    c. his class position in this subject is 20th
    d. his class position is 80th

3. If a pupil is able to name the capital of Mozambique, at what level of the cognitive domain is the child functioning?
    a. Synthesis
    b. Comprehension
    c. Analysis
    d. Knowledge

4. If a test does what it is designed to do, then it can be said to possess
    a. reliability
    b. quality
    c. usability
    d. validity

5. Which of these a evaluation?
    a. The whole class did well in English
    b. Nomvelo score 20% higher than last time
    c. Everyone in class scored less than 60%
    d. Dumsile scored 30% in Maths

6. A test in which almost all the students get between 60 and 70 marks out of a total of 100 may be said to lack
    a. accountability
    b. objectivity
    c. discrimination
    d. reliability

7. What is the term given to evaluation which aims to improve the teaching process?
   a. Pre-test
   b. Formative test
   c. Diagnostic test
   d. Remedial test

8. Which type of test among the following has the highest reliability?
   a. Oral
   b. Multiple choice
   c. Extended essay
   d. Practical

9. In a multiple choice test item, the part of the question that is the correct answer is known as the
   a. option
   b. key
   c. stem
   d. distractor

10. Which of the following is an advantage of the essay test over the objective test?
    a. Measuring complex skills
    b. High reliability
    c. Wide content coverage
    d. Quick feedback to students

11. The range has one disadvantage
    a. It is difficult to calculate
    b. It takes account of all the scores in the distribution
    c. It is affected by extreme scores
    d. One has to calculate the mean of the distribution first

12. Which of the following is NOT an advantage of multiple choice tests?
    a. Testing higher order skills
    b. Guessing the right answer
    c. Marking and grading
    d. Feedback information for improvement

13. The major advantage of an essay test is
     a. it is easy to score
     b. it measures complex skills
     c. scoring is very reliable
     d. scores are easy to interpret

14. Mpendulo got 12 out of the 20 sums in the test. This is an example of
     a. Group referencing
     b. Norm referencing
     c. Normative evaluation
     d. Criterion referencing

15. A good instructional objective should indicate
     a. What needs to be taught by the teacher
     b. What method the teacher should use in teaching the pupils
     c. What the children should have learnt at the end of instruction
     d. How much material will be covered during instruction

16. In order to improve the accuracy and impartiality in scoring essay test, a teacher must
     a. Evaluate all responses anonymously
     b. Score the responses to the same question in all the papers
     c. Prepare a marking scheme before scoring the papers
     d. All the above

17. A test that does NOT sample most of what is taught may lack
     a. validity
     b. discrimination
     c. reliability
     d. fairness

18. In Bloom's Taxonomy of Educational Objectives, the domain concerned with attitudes, interest and values is
     a. Psychomotor
     b. Affective
     c. Psychomotor and affective
     d. Cognitive and affective

19. In class of 20 pupils in a Science objective test 10 children got item 7 correct. What is the correct item difficulty index?
    a. 70%
    b. 60%
    c. 40%
    d. 50%

20. Which of the following method of validity makes use of the table of specification
    a. content validity
    b. face validity
    c. predictive validity
    d. construct validity

21. Which of the following is a true statement?
    a. The mean is a measure of variability.
    b. The ordinal scale has an absolute zero.
    c. A split-half method is a measure of validity.
    d. A negatively skewed curve has its tail to the left.

22. Which of these is an example of measurement?
    a. James is better than Gugu in Maths
    b. James will do well in Maths
    c. James's lowest score was in Maths
    d. James scored 30% in Maths

23. The correlation coefficient between a group's performance in two tests (test A and test B) is 0.12. What explanation would you advance for this result?
    a. The relationship between the two tests was weak.
    b. Test A is far more difficult than test B.
    c. The class performed very poorly in both tests.
    d. There is practically no relationship between the two tests.

24. Its serious disadvantage is its subjectivity. Which type of test item is this sentence referring to?
    a. Multiple choice
    b. Extended essay type
    c. Completion item type
    d. Restricted essay type

25. Which of the following types of test is suitable for testing students' skills from a course of instruction?
    a. Mastery
    b. Summative
    c. Formative
    d. Achievement

SECTION B

Instructions: Answer all the questions in this section. Each question carries 25 marks.

Question 1

Write brief notes (at least 10 lines) on each of the following, explaining what they are and how they contribute towards effective assessment of children's learning.

a) Pre-assessment of learning
b) Peer assessment
c) Inter-rater reliability
d) Oral test
e) "halo effect"

(5 marks each)   **(Total [25 marks]**

Question 2
a) Explain what you understand by test usability.   (5 marks)

b) Using four (4) examples describe how a test can be unusable.
(20 marks)

Total [25 marks]

Question 3
Cite and discuss fully any three (3) advantages and three disadvantages of each of the following.

a) Norm-referenced tests   (12½ marks)

b) Criterion referenced tests   (12½ marks)

Total [25 marks]