

**UNIVERSITY OF SWAZILAND
FACULTY OF EDUCATION
SUPPLEMENTARY EXAMINATION PAPER 2009**

TITLE OF PAPER: CURRICULUM STUDIES IN MATHEMATICS

COURSE CODE: EDC 381

PROGRAMME: B.ED 3 & PGCE

TIME ALLOWED: THREE (3) HOURS

TOTAL MARKS: 100

INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS. EACH QUESTION IS WORTH 25 MARKS.

This paper contains 2 pages including this one

Question 1

- (a) List **five** language difficulties in the teaching and learning of school mathematics [10]
- (b) Work out the question below:
A card is taken at random from a pack of 52 playing cards and replaced. After shuffling, a second card is selected. Find the probability of obtaining:
 - (i) A diamond and a heart
 - (ii) A club or a spade [5]
- (c) Identify language/communication difficulties in the question in (b). [5]
- (d) Rewrite the question to eliminate as much language difficulty as you can. [5]

Question 2

- (a) State with explanation **five** purposes of tests or examinations. [10]
- (b) As an HOD at your school write a paper you will present at the administrative committee meeting on optimising the benefits of tests and examinations to the school. [15]

Question 3

Write an essay on the importance of monitoring in the management of school mathematics. [25]

Question 4

Write an essay entitled: "The role of mathematics teachers in curriculum reform." [25]

Question 5

Write a paper questioning the validity of the claim that IGCSE enables more candidates to obtain credits in their end of form 5 results thus opening more chances for them to enrol in studies that require a credit in mathematics (you have to decide on the title of this paper) [25]