

UNIVERSITY OF ESWATINI
FACULTY OF EDUCATION
DEPARTMENT OF CURRICULUM AND TEACHING
MAIN EXAMINATION PAPER 2019

TITLE OF PAPER: Advanced Curriculum Studies: Mathematics II

STUDENTS: M.Ed. Level 1

COURSE CODE: CTE620

TIME: Three (3) hours

INSTRUCTIONS:

1. This paper contains FIVE questions.
2. Answer ANY FOUR questions
3. Each questions carries 25 marks
4. Answer each question in a continuous essay form of at least 3 pages.

This paper contains 2 pages including this one

DO NOT OPEN UNTIL INTRUCTED BY THE INVIGILATOR

Question 1

Write a paper to present to a group of teachers on using the GeoGebra, in the teaching of school mathematics. [25]

Question 2

Write an essay on managing school mathematics using the listed as subsections in your essay:

- The role of the head of a mathematics department in managing school mathematics
- Teacher appraisal in managing school mathematics
- The role of the school administration in managing school mathematics [25]

Question 3

Discuss the advantages and disadvantages of using technology in the teaching and learning of school mathematics. [25]

Question 4

Discuss processes such as Jones, Swan and Pollitt (2013) and Polya (1945) used in problem solving and how these processes guide learners in the use of cognitive and metacognitive strategies in problem solving. [25]

Question 5

Presently there is no formalised teacher appraisal system in Eswatini. Write a paper to present to the National Mathematics panel about teacher appraisal and suggest how we could use the existing structures to formalise teacher appraisal in Eswatini. [25]

The End.