UNIVERSITY OF ESWATINI

FACULTY OF EDUCATION

DEPARTMENT OF PRIMARY EDUCATION

FINAL EXAMINATION PAPER

MAY 2019

Title of paper : CURRICULUM STUDIES (PRIMARY MATHEMATICS I)

Course number : PED 276

Time allowed : 3 HOURS

INSTRUCTIONS:

1. THIS PAPER HAS **FIVE (5)** QUESTIONS
2. ANSWER ANY **FOUR (4)** QUESTIONS
3. MARKS FOR EACH QUESTION OR SUB-QUESTION ARE INDICATED AT THE END OF THE QUESTION
4. EACH QUESTION CARRIES 25 MARKS

THIS PAPER MUST NOT BE OPEN UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR

QUESTION 1

Choose a topic from the Mathematics syllabus and write the following aspects of a lesson plan:

a) Two objectives from the lower and the higher level of Blooms taxonomy. (10)

b) An introduction that has **four (4)** steps.   (8)

c) Your first step of your presentation.   (7)

(25 marks)

QUESTION 2

a) Discuss in **three (3)** ways, the characteristics that clearly define the behaviourist and in **two (2)** ways of the constructivist views of teaching and learning.   (3x5)

b) Complete the following table outlining Gagne's task analysis approach to teaching. Write the letter and the missing word in the answer booklet.   (10)

Learning phase	Expectations	Instructional Event
Motivation	Expectancy	(a)............................
Apprehension	Attention (b)...................... Understanding	Exposition, introducing the subject (c)....................
(d)............................	Coding (e).........................	Suggesting means of coding
Retention	Storage	(f)............................
Recall	(g).........................	Suggesting schemes and cues for recall: providing learning guidance
Generalisation	(h).........................	Promoting transfer by providing a variety of contexts for retrieval cueing
Performance	Responding	(i)............................
(j).........................	Reinforcement	Information feedback providing verification or comparing with a standard

(25 marks)

QUESTION 3

Identify and discuss any **five (5)** curriculum concepts, demonstrating how they enhance quality teaching and learning using classroom examples where applicable. (5x5)

(25 marks)

QUESTION 4

a) Using **five (5)** points outline the criterion used by the teacher in selecting teaching and learning resources. (10)

b) Suppose you have to teach your Grade III class the topic: multiplication by 8 in Mathematics. Identify and describe three (3) resources you would use to teach the topic. (15)

(25 marks)

QUESTION5

Authors like Johnson (2013) argue for learner centered approaches as instrumental in the "information age" in the classroom teaching and learning. Teacher are encouraged to use more learner centred approaches. Differentiate in **five (5)** ways between teacher centred and learner centred approach in the teaching of Mathematics, use relevant examples. (5x5)

(25 marks)