



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF EDUCATION

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION

ECDE

3RD YEAR 1ST SEMESTER 2018/2019 ACADEMIC YEAR

MAIN CAMPUS REGULAR

COURSE CODE: EEC-3316

COURSE TITLE: MATHEMATICS CURRICULUM ASSESSMENT AND

INSTRUCTION

EXAM VENUE:

STREAM : (BED ECDE)

DATE:

EXAM SESSION:

TIME: 2 HOURS

Instructions

- 1. Answer Question ONE (COMPULSORY) and ANY other 2 questions**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room**

Question One

- a) Identify five reasons why the use of teaching / learning resources is important during an ECDE mathematical activity lesson. (5marks)
- b) Explain using relevant illustrations five techniques of sustaining children's interest during mathematical activity. (5 marks)
- c) Highlight five activities a pre-school teacher can provide to children to develop the concept of 'time' (5 marks)
- d) Explain three disadvantages of using teacher centered approach of teaching young children mathematical activities. (6 marks)
- e) List four computation skills used in mathematical activities. (4 marks)
- f) State five reasons why it is important to conduct assessment in ECDE mathematical activities. (5 marks)

Question Two

- a) Explain why it is necessary to introduce mathematical activities to ECD children. (10 marks)
- b) Giving relevant illustrations highlight the main concepts taught in ECD mathematical activities. (10 marks)

Question Three

Discuss how ECDE mathematical activities are related to each of the following activity areas.

- Environmental science
- Physical/ psychomotor activities
- Language activities
- Creative activities
- Religious activities (20 marks)

Question Four

- a) You have been called upon to demonstrate methods of teaching number recognition to young children. Explain five methods you will dwell on. (10 marks)
- b) Explain five methods of acquiring teaching /learning materials for an ECDE class.(10 marks)

Question Five

- a) 'Failure to plan is planning to Fail'. Explain this concept in relation to planning for mathematical activities for ECDE class. (10 marks)
- b) Draw a one day lesson plan for mathematical activities on the strand 'money' (10 marks)