



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF EDUCATION
UNIVERSITY EXAMINATION FOR THE BACHELOR OF EDUCATION IN EARLY
CHILDHOOD EDUCATION
3RD YEAR 1ST SEMESTER 2022 ACADEMIC YEAR
MAIN CAMPUS- REGULAR

COURSE CODE: EEC 3316

COURSE TITLE: MATHEMATICS CURRICULUM, INSTRUCTION AND ASSESSMENT
ASSESSMENT

EXAM VENUE: 9/12/2022

DATE: 9/12/2022

SESSION: 9.00-11.00AM

TIME: 2.00 HOURS

INSTRUCTIONS

Answer ALL THE Questions in section A and ANY other two in section B

Candidates are advised not to write in question paper.

Candidates must hand in their other booklet to the invigilator while in the examination room.

Question One

1 (a) Explain the following terms.

- i. curriculum (2 marks)
- ii. assessment (2 marks)
- iii. strategy (2 marks)
- iv. strand (2 marks)
- v. concept (2 marks)

(b) Outline five importance of mathematics in daily life. **{5 marks}**

c) Explain five major topics of mathematics covered in pre-school and lower primary

Curriculum **{5 marks}**

d) Write one specific measurable strand/ objective and lesson conclusion based on strand written of the mathematics lesson. **{5 marks}**

e) Good assessment should be based on specific, measurable and observable skills. Enumerate five competencies in mathematics assessment. **{5 marks}**

f) Describe how mathematics support learning in other learning areas within pre-school curriculum. **{5 marks}**

QUESTION Two

Discuss activities that promote classification concept in mathematics in pre-school. **{20 marks}**

QUESTION Three

Evaluate teaching mathematics concepts using any four Principals/ theory **{20 marks}**

QUESTION Four

Develop a lesson plan on the topic of measurement for a grade 1 class **{20 marks}**

QUESTION 5

Demonstrate by using professional documents sample of keeping record of a learner Progress Records in mathematics using CBC competencies.

{20 marks}