



UNIVERSITY EXAMINATIONS

SECOND SEMESTER 2023/2024 ACADEMIC YEAR

**THIRD YEAR EXAMINATION FOR THE DEGREE OF
BACHELOR EDUCATION (ECDE)**

**ECDE 325: METHODS OF TEACHING ECDE SCIENCE AND
ENVIRONMENT**

STREAM: R

TIME: 2 HRS

DAY: FRIDAY (11.30-1.30PM)

DATE: 12/4/24

THIS QUESTION PAPER CONSISTS OF THREE (3) PAGES

PLEASE DO NOT OPEN UNTIL THE INVIGILATOR SAYS SO.



INSTRUCTIONS: Answer question **ONE (COMPULSORY)** and any other **TWO** questions

QUESTION ONE (30 MARKS)

- (a) Justify using 4 points the teaching and learning of science and environment for the holistic development of a learner (8mks)
- (b) Examine the significance of teaching and learning of ECDE science and environment through thematic approach (8ms)
- (c) Highlight any four outcomes you can formulate to guide your ECDE learners to develop the sense of ‘hearing’ (4mks)
- (d) Outline any four factors an ECDE teacher should consider in identifying relevant activities for ECDE science and environment (4mks)
- (e) Critically examine the factors that an ECDE teacher should consider in executing a field excursion with ECDE learners (6mks)

QUESTION TWO (20 MARKS)

- (a) Distinguish between teacher-centered and child-centered approaches to teaching and learning citing relevant examples (4mks)
- (b) Examine the use of ‘play’ as an approach to teaching and learning ECDE science and environment (10mks)
- (c) Discuss three importance of using concrete play and learning objects in teaching of science and environment to ECDE learners. (6mks)

QUESTION THREE (20 MARKS)

- (a) Discuss four factors an ECDE teacher should consider in drawing a quality scheme of work for teaching ECDE science and environment (8mks)



- (b) You plan to teach the topic ‘domestic animals’ from the main theme ‘Animals’ for your ECDE class. Draw up a 35 minutes lesson plan for the lesson (12mks)

QUESTION FOUR (20 MARKS)

Discuss the significance of each of the following processes for teaching and learning of ECDE science and environment:

- (a) Observation (5mks)
- (b) Experimentation (5mks)
- (c) Exploration (5mks)
- (d) Discovery (5mks)

QUESTION FIVE (20 MARKS)

- (a) Using five reasons, examine the significance of continuous assessment of achievement in ECDE science and environment (10mks)
- (b) Discuss any five skills that should be trained in a teacher-student during micro-teaching (10mks)

