

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EMBU CAMPUS

EXAMINATION FOR THE AWARD OF BACHELOR OF EARLY CHILDHOOD AND DEVELOPMENT

ECDE 337: METHODS OF TEACHING SCIENCE AND ENVIRONMENTAL EDUCATION

STREAMS: PART TIME

TIME: 2 HOURS

DAY/DATE : WEDNESDAY 6 /10/ 2021

11.30 AM – 2.30 PM

INSTRUCTIONS TO CANDIDATES:

- Answer Question ONE and any other TWO
- DO NOT WRITE ANYTHING on the question paper.

QUESTION ONE

- a) Highlight six objectives of teaching science and environmental education. [6 Marks]
- b) Describe three activities that make science a natural activity for children. [6 Marks]
- c) Explain three types of science experiences among children. [6 Marks]
- d) Describe three criteria to follow when selecting content for young children.[6 Marks]
- e) Formulate three activities appropriate for teaching biological concepts in ECDE.

[6 Marks]

QUESTION TWO

- a) Explain five disadvantages of factual approach to teaching science. [10 Marks]
- b) Support five strengths of demonstration method in teaching science education. [10 Marks]

QUESTION THREE

- (a) Describe five ways a teacher would assist children with special needs during science activities. [10 Marks]
- (b) Explain the importance of science and environmental schemes of work. [10 Marks]

QUESTION FOUR

- (a) Using a strategy of your choice develop a lesson plan for a PPI class for teaching science and environmental education. [10 Marks]
 - (b) Demonstrate the role of technology in teaching science and environmental activities to young children. [10 Marks]
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