

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF CERTIFICATE IN EARLY CHILDHOOD  
EDUCATION

ECDE 00139: SCIENCE AND ENVIRONMENTAL

STREAMS: CERT. ECDE

TIME: 2 HOURS

DAY/DATE: FRIDAY 26/03/2021

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

- Answer question ONE and any other TWO
- Do not write anything on this paper

- (a) Identify any five characteristics of science [5 marks]
  - (b) State the importance of introduction stage of a science lesson [5 marks]
  - (c) Explain the importance of using science and environment learning centres in teaching [10 marks]
  - (d) Highlight reasons why it is important to teach science to pre-school children [10 marks]
- (a) Describe how a teacher can enhance any five scientific characteristics naturally exhibited by young children. [10 marks]
  - (b) Explain five characteristics of appropriate science activities [10 marks]
- (a) Describe five types of appropriate science activities based on the human body [10 marks]
  - (b) Describe any five attributes of materials that can be used to teach classifying giving specific examples of materials you can use for each of the attributes. [10 marks]

4. (a) Describe some activities and experiments that can be used to teach the following physical elements to young children. [10 marks]
- (i) Water
  - (ii) Air and wind
- (b) Using a substrand of your choice, prepare a lesson plan for teaching science activities in PP1 [10 marks]
-