

UNIVERSITY EXAMINATIONS

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EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF EDUCATION IN ECDE

ECDE 238: SCIENCE AND ENVIRONMENTAL EDUCATION FOR ECDE

STREAMS: B.ED ECDE (PART TIME/SB)

CHUKA

TIME: 2 HOURS

DAY/DATE: TUESDAY 06/08/2019

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS:

• Answer question ONE and any other TWO questions							
1.	(a)	Describe the nature and scope of science activities in ECDE.	(10 marks)				
	(b)	Highlight any six factors which a science teacher considers when recording method in science.	selecting a (6				
mark	s)						
	(c)	Explain five methods of keeping records in science activities in ECDE. (10 marks)					
	(d)	State types of questions that are asked to ECDE children during science a lesson.					
lesson. (4 marks)							
2.	(a)	What is African indigenous science.	(2 marks)				
	(b)	Discuss any five characteristics of African indigenous science.	(10 marks)				
	(c)	Discuss four African scientific beliefs that can be introduced to cl ECDE level.	nildren at an (8				
mark	s)		(0				
3.	(a)	Explain activities an ECDE teacher can use to facilitate the following presentations according to Jerome Brunner					
		(i) Enactive presentation	(3 marks)				

ECDE 238

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	(b)	Explain the scientific skills that can be taught in ECDE using the five senses. (5 marks)			
	(c)		ree states of mater. In each case give the teaching material that c ain the concept to the child. (6 m	an be used arks)	
4. marks)		-	pact of the knowledge in functioning of plants and animals on th oment of scientific skills in ECDE.	e (20	