

SCHOOL OF EDUCATION

DEPARTMENT OF EARLY CHILDHOOD EDUCATION

FIRST YEAR FIRST SEMESTER EXAMINATION FOR DIPLOMA IN EARLY CHILDHOOD EDUCATION MATHEMTICS ACTIVITIES

Answer Question One and Any Other Two Questions

DATE: 16/4/2019

INSTRUCTIONS

TIME: 8:30 – 11:30 AM

	1115	ver Question one and my other 1 wo Questions		
1.	a)	Define the following terms.	(10 marks)	
		i) Mathematics		
		ii) Mathematical concept		
		iii) Volume		
		iv) Addition		
		v) Subtraction		
	b)	Describe the four (4) computational skills	(12 marks)	
	c)	Explain the following measurement skills	(8 marks)	
		i) Capacity		
		ii) Time		
		iii) Speed		
		iv) Area		
2.	a)	Discuss five (5) roles of teaching and learning materials in ECDE mathematics		
		activities.	(10 marks)	
	b)	Explain five (5) type of teaching and learning material used in ECDE centres.		
			(10 marks)	
3.	a)	Describe five (5) the principles of teaching mathematics in ECDE	(10 marks)	
	b)	Analyse five (5) objectives of mathematics in ECDE	(10 marks)	

Examination Irregularity is punishable by expulsion

4.	a)	Design appropriate instrument for assessing children achievements in		
		mathematics	(10 marks)	
	b)	Discuss the implication of Piaget's theory in teaching mathematics	e implication of Piaget's theory in teaching mathematics activities in	
		ECDE	(10 marks)	
5.	a)	Describe five (5) classification activities done in ECDE centres.	(10 marks)	
	b)	Discuss how mathematics develops logical thinking.	(10 marks)	