

# SCHOOL OF EDUCATION

# DEPARTMENT OF EDUCATIONAL COMMUNICATION TECHNOLOGY &

# EARLY CHILDHOOD EDUCATION

#### EXAMINATION FOR DOCTOR OF PHILOSPHY IN EDUCATION

ECT 921: ADVANCED DESIGN AND DEVELOPMENT OF SCIENCE EDUCATION CURRICULUM.

DATE: 5/5/2019

TIME: 2:00 – 5:00 PM

#### INSTRUCTIONS: ANSWER QUESTION ONE AND ANY TWO OTHERS.

1.	a)	The Curriculum Development process in Science Education may pose a number of			
		Key issues. <i>Explain and illustrate two issues</i> related to each of the following:			
		a)	Teacher training.	(6 marks)	
		b)	Transition between levels of curriculum implementation.	(6 marks)	
		c)	Production of resources.	(6 marks)	
	b)	Identify three scientific skills that fall into each of the following categories:			
		a)	Manipulative Skills.	(3 marks)	
		b)	Cognitive Skills.	(3 marks)	
		c)	Social Skills.	(3 marks)	
		d)	Language Skills.	(3 marks)	
2.		That suggestion would you recommend for the effective implementation of the newcompetence-Based Curriculum at School level in Kenya?(15 marks)			
3.	Discuss three core values and two core attitudes developed through the				
	Scien	ice Curi	riculum.	(15 marks)	
4.	Discu	Discuss any <b>five reasons</b> that justify the continuous evaluation of the Science curriculum. (15 marks)			
5.	Justify any three values of subjecting aims and objectives to:				
	a) Philosophical Screens. (			(6 marks)	
	b) P	b) Psychological Screens. (6 mark			
	c) Sociological Screens.			(3 marks)	
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Examination Irregularity is punishable by expulsion