

# University Examinations for 2018/2019 Academic Year SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT DEPARTMENT OF ENVIRONMENTAL SCIENCES SECOND YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR BACHELOR OF ENVIRONMENTAL STUDIES AND COMMUNITY DEVELOPMENT BACHELOR OF ENVIRONMENTAL STUDIES (RESOURCE CONSERVATION) BACHELOR IN ENVIRONMENTAL SCIENCE ENS 242: GLOBAL WARMING AND CLIMATE CHANGE ERC 210: GLOBAL WARMING AND CLIMATE CHANGE ECD 209: CLIMATE CHANGE AND COMMUNITY LIVELIHOODS ECD 204: COMMUNITY WATER RESOURCES AND SANITATION MANAGEMENT DATE: 22/7/2019

**INSTRUCTIONS;** 

Answer question ONE and any other TWO questions

#### **QUESTION ONE (30 MARKS)**

a)	Define the following terms:		
	i.	Weather	(2
		marks)	
	ii.	Climate	(2
		marks)	
	iii.	Climate change	(2
		marks)	
	iv.	Emissions	(2
		marks)	

	v.	Water cycle (2	marks)
	vi.	Resilience	(2
		marks)	
	vii.	Vulnerability	(2
		marks)	
b)	) Differentiate between MITIGATION and ADAPTATION options to climate change		
		(4	marks)
c)	Descril	be the TWO difference between the two Kyoto Protocol and REDD+	(4
	marks)		
d)	i	What is "the greenhouse effect" and why it is important to life on earth	(4
	marks)		
	ii.	List any FOUR (4) greenhouse gases	(4
marks)			

#### **QUESTION TWO (20 MARKS)**

a)	What activities does the acronym REDD+ informally refer to?	(10	
	marks)		
b)	Describe FIVE (5) actions are Parties to REDD+ encouraged to take to ensure the success		
	of the initiative?	(10	

marks)

#### **QUESTION THREE (20 MARKS)**

Discuss how climate change will impact humans on Africa.

## **QUESTION FOUR. (20 MARKS)**

Discuss the constraints and opportunities arising from adaptation to climate change for each of these resources

a)	Water	(4
	marks)	
b)	Agriculture	(4
	marks)	

(4
(4
(4

### **QUESTION FIVE (20 MARKS)**

Discuss the different climate change scenarios that can be found under:

a)	Special Report on Emissions Scenarios	(10
	marks)	
b)	Relative Concentration Pathways (RCPs)	(10
	marks)	