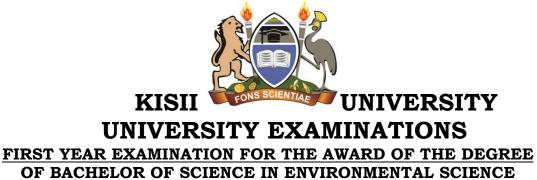
**ENSC 100** 



#### FIRST SEMESTER 2022/2023 (SEPTEMBER - DECEMBER, 2022)

## ENSC 100: INTRODUCTION TO ENVIRONMENTAL SCIENCE

#### STREAM: Y1 S1

TIME: 2 HOURS

DAY: FRIDAY, 9:00 A.M - 11:00 A.M

DATE: 02/12/2022

#### **INSTRUCTIONS:**

1. Do not write anything on this question paper.

2. Answer ALL Questions in section A (Compulsory) and any other THREE Questions in section B.

### **SECTION A (40 marks)- compulsory**

1.	Describe the following terminologies:	
	(a) Anoxia.	(2marks)
	(b) Peat.	(2marks)
	(c) Acid deposition.	(2marks)
	(d) Leaching.	(2marks)
	(e) Eutrophication.	(2marks)
2.	Describe the causes of acid precipitation.	(4marks)
3.	Briefly explain the following:	
	(a) Global Warming.	(3marks)
	(b) Climate Change.	(3marks)
4.	Explain how the following factors influence population growth.	
	(a) International migration.	(5marks)
	(b) Increasing longevity.	(5marks)
5.	Briefly discuss the impact of habitat destruction	and biodiversity loss
	on organisms.	(10marks)

# SECTION B (30 MARKS)

6.	Explain why the population of sub – Saharan Africa is projected to		
	double by the year		
	2050 even if there is a substantial reduction of fertility levels in th		
	near future.	(15marks)	
7.	Describe the nitrogen cycle under the following:		
	(a) Biological nitrogen fixation.	(8marks)	
	(b) Non biological mitrogram firstian	(7man1ra)	

(b) Non- biological nitrogen fixation.(7marks)8. Discuss the effects of acid rain on lakes.(15marks)