

UNIVERSITY

UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN WILDLIFE MANAGEMENT

WIEM 241: PLANT ECOLOGY

STREAMS: WIEM Y2S2

TIME: 2 HOURS

8.30 A.M. – 10.30 A.M.

DAY/DATE: WEDNESDAY 18/04/2018

INSTRUCTIONS:

- Answer ALL questions in Section A and any TWO questions in Section B.
- Do not write anything on the question paper.

SECTION A (30 MARKS)

1.	Explai	Explain the following			
	(a)	Ecology	(1 mark)		
	(b)	Community	(1 mark)		
	(c)	Key stone species	(1 mark)		
	(d)	Ecosystem	(1 mark)		
	(e)	Phenology	(1 mark)		
	(f)	Net primary productivity	(1 mark)		
2.	Giving examples differentiate between abiotic and biotic components of a ecosystem.		grassland (6 marks)		
3.	Briefly	discuss three environmental factors that influence plant growth.	(6 marks)		
4.		espect to survival fitness briefly discuss the advantages and disadva plants.	ntages of (6 marks)		
5.	(a)	Explain the concept 'Plant Life History'	(1 mark)		
	(b)	Briefly discuss the key factors that influence plant productivity.	(5 marks)		

SECTION B (40 MARKS)

6.	Discuss the key factors that influence species composition distribution and an area.	abundance in (20 marks)
7.	Discuss the roles of fire in a plant community.	(10 marks)
8.	Discuss how human influence affect growth and productivity of plants.	(20 marks)