

JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE & TECHNOLOGY SCHOOL OF BIOLOGICAL AND PHYSICAL SCIENCES

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE (BIOLOGICAL SCIENCES)

2ND YEAR 1ST SEMESTER 2016/2017 ACADEMIC YEAR

MAIN CAMPUS - REGULAR

COURSE CODE: SBI 3225

COURSE TITLE: GYMNOSPERM AND ANGIOSPERM TAXONOMY

EXAM VENUE: LAB 15 STREAM: (BIO)

DATE: 20/04/16 EXAM SESSION: 9.00 – 11.00 AM

TIME: 2 HOURS

Instructions:

- 1. Answer ALL questions in Section A and Any two questions in Section B
- 2. Candidates are advised not to write on question paper
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room

SECTION A: ANSWER ALL QUESTIONS (30 MARKS)

1.	Citing	Citing one example, define the term"Flora"		
2.	List any THREE major categories in the hierarchy of plant classification and indicate their endings			ir name
		Category or rank	Name -ending	
	a.			(1mark)
	b.			(1mark)
	c.			(1mark)
3.	Define	character as used in plant cla	ssification	(3marks)
4.	4. List any three Conserved Family names and the accepted corresponding alternate			(3marks)
5.	Name the families that the following plants belong to:			
		<u>Plant</u>	<u>Family</u>	
	a.	Brassica oleracea		(1 mark)
	b.	Psidium guajava		(1mark)
	c.	Saccharum officinarum.		(1mark)
6.	· · · · · · · · · · · · · · · · · · ·			(3marks)
7.				(3marks)
8.				
	a.	···· ··· ·· · · · · · · · · · · · · ·		
	b. Identification9. State any three ways by which Cycadales are of economic importance10. List THREE diagnostic features of Monocots			(1.5marks
				(3marks)
10				(3marks)
ar ar	WOM D	ANGWED AND TWO OVE		
<u>SEC1</u>	<u> 10N B: .</u>	ANSWER ANY TWO QUE	STIONS (40 MARKS)	
11	. Describ	be the Asteraceae and, state w	rith examples, its economic significance	(20 marks
12	12. Discuss the role of fossil angiosperms in taxonomy			
13	3. Outline the development of modern taxonomy from the "Ancient Classification" phase			
	Linnea	n Natural Systems".	_	(20 marks
14	l. Discus	s pre-zygotic isolation mechan	nisms in Angiosperms	(20 marks