

MASENO UNIVERSITY UNIVERSITY EXAMINATIONS 2016/2017

THIRD YEAR FIRST SEMESTER EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE (ENVIRONMENTAL SCIENCE) AND (GEOGRAPHY AND NATURAL RESOURCE MANAGEMENT) WITH INFORMATION TECHNOLOGY

MAIN CAMPUS

NES 302: BIODIVERSITY AND CONSERVATION

Date: 13th December, 2016

Time: 12.00 - 3.00pm

INSTRUCTIONS:

Answer Question ONE and any other TWO

ISO 9001:2008 CERTIFIED



b	iolog	gical reserve	:				
	i.	Proximity. Shape. Size	[5 marks] [5 marks] [5 marks] hods that ca	an used to	determir	e the areas of cons	ervation
,	orior						marks]
2. Dis	cuss	the challeng	es faced in	conservatio	n of bio	logical diversity in	Kenyar
		d areas.					marks]
3. Exp	lain	the following	g componen	ts of biolog	ical dive	ersity:	
a. E	cosy	stem diversi	ty [6 m	narks]			
b. C	enet	ic diversity	[6 marks]				
c. S	pecie	es diversity	[8 marks]				
4. Dis	uss	the limitation	ns of Conv	ention on	Internati	onal Trade in End	angered
Spe	cies	(CITES) ban	on ivory tra	de.		[20	marks]
5. a) E	xpla	in the ecolog	gical correla	tes of spec	ies vuln	erability to extinction	on after
h	abita	t fragmentati	on.			[8	marks]
			and an used to	a actimata t		num viable populati	