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University of choice

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST) SCHOOL OF AGRICULTURE, VETERINARY SCIENCES AND TECHNOLOGY (SAVET)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS 2022/2023 ACADEMIC YEAR

MAIN EXAMINATION FOR THE BSC. IN AGRICULTURAL EDUCATION AND EXTENSION, SAR, SAP

COURSE CODE: SES 414

COURSE TITLE: ENVIRONMENTAL RISK ANALYSIS ANDMANAGEMENT

DATE: 11TH APRIL 2023

TIME: 12-2 PM

INSTRUCTIONS TO CANDIDATES

Answer Question ONE and Any other TWO Questions.

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over

SECTION A: (30 MARKS)		
1.	Define:	
	(a) Environmental security	(2mks)
	(b) Exploiting risk	(2mks) (2mks)
	(c) Risk assessment	(2mks)
2.	Environment risk management is not a single one – off exercise but a dynamic	
	process. Discuss the components.	(6mks)
3.	Discuss the importance of good problem definition	(8mks)
4.	It is desirable that consensuses scored with both the decision make	ret and
	stakeholder on what is included and what is outside the score of a	* * *
		(6mks)
	QUESTION FIVE: (20 MARKS)	
5.	5. (a) Discuss key elements in planning a participatory risk assessment	
		(10mks)
	(b) Describe the stages of risk assessment	(10mks)
QUESTION SIX: (20 MARKS)		
6.	a). Discuss the conditions needed to establish a caused relationsh	nip between
	two items.	(10mks)
	b). Describe how probabilities can be elicited.	(10 mks)
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7	QUESTION SEVEN: (20 MARKS) a) Describe the techniques that are used rules and allowed in the control of the co	
	a). Describe the techniques that are used when dealing with uncer- environmental risk assessment.	
	The state of the s	(10 mks)

b). Describe the stages involved in Risk assessment.

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(10 mks)