Candidate's Examination Number...

THE UNITED REPUBLIC OF TANZANIA NATIONAL EXAMINATIONS COUNCIL FORM TWO SECONDARY EDUCATION EXAMINATION

034

AGRICULTURAL SCIENCE

Time: 2 Hours

Monday, 23rd November 2015 p.m.

Instructions

- 1. This paper consists of ten (10) questions in sections A and B.
- 2. Answer all questions.
- 3. All answers must be written in the spaces provided.
- 4. All communication devices are not allowed in the examination room.
- 5. All writing must be in black or blue ink.
- 6. Write your Examination Number at the top right corner of every page.

FOR EXAMINERS' USE ONLY					
QUESTION NUMBER	SCORE	EXAMINERS' INITIALS			
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	7.	
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		(viii) The instrument which is used for driving in and removing nails in woodwork is known as A ball-pein hammer C cross-pein hammer D metal hammer.
		(ix) Soil structure is determined by A colour of the soil B size of the soil particles Shape of the soil particles D particle density of the soil.
•		(x) Quick and immediate attention that one receives after an accident in agricultural laboratory before taken to hospital is known as A treatment B preventive measure C first aid D safety precaution.
	2.	Match the items in List A with those in List B by writing the letter of the correct answer below the corresponding item number in the table provided.

	List A	List B
(i)	Cuts wood grains in any direction	A Mallet
(ii)	Make grooves on wood.	B Rasp
(iii)	Smoothen surfaces in wood.	C Marking gauge
(iv)	Fastens together small pieces of timber.	D Brace and bit
(v)	Drives in wood chisel.	E Hack saw
(vi)	Drive nails into wood and remove nails from	F Ball-pein hammer
	wood (*)	G Tenon saw
vii)	Drill holes in wood.	H Jack plane
viii)	Indicates the parallel lines along the edge of wood for cutting.	I Try square
ix)	Drive screws in and out of wood surfaces.	J Anvil
(x)	Smoothens round surfaces of wood.	K Scrapper
		L G clamp
		M Wood chisel
		N Claw hammer
		O Screw driver

ANSWERS

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List A	(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)	(x)
List B										
For each of the statement that	ne follow is not cor	ving sta rect.	tements	, write	TRUE f	or a cor	rect state	ement o	r FALS	E for a
(i) The non-	solid spa	ces in th	ne soil an	re called	pore spa	ces				
(ii) The f				ricultura	inve	estigation	n pro	cedure	is	problem
(iii) Agricult				dy of the	econom	v as a w	hole	12.1		
(iv) In weldin										
(v) Building	suitable	housi	ng for							livestoc
(vi) Weeds h	ave both	benefic	ial and l	narmful	effects to	crop pl	ants			
(vii) Capital assets	is a		of	producti	ion wl		esults		accumul	ation
(viii) Concent	rates are	indigest	tible fee	ds with l	nigh nut	ritive val	lue			
(ix) One of easier	the objection			cessing	agricult	ural pro	ducts is	to ma	ke thei	r handl
(x) Soil form	nation is	the evo	lution o	f the soil	from th	ne conso	lidated b	edrock.		
				SEC	TION	B (70 M	arks)			
a) (i) Define	e the term	n 'agric	ulture'.							

(ii) Why i	s agricul	ture coi	nsidered	l to be a	science	?			*******	

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(b) Oi	utline six roles of agriculture in the economy of Tanzania.
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/ /	***************************************
5. (a) W	hat is the importance of safety precautions in the farm workshop?

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(b) St	ate three safety precautions in each of the following areas:
	House keeping.
(ii	Personal protection against injury.
(ii	i) Protection against fire hazards.
6. (a) (i)	What is meant by horticulture?

(ii	Give the importance of horticultural products in the diet of human beings.
	3
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(b) Br	riefly explain six cultural practices to be observed when growing vegetables in the garden.

8.	Candidate's Examination Number. (a) Give the meaning of the following: (i) Price	
	(iii) Supply (iii) Demand	
	(b) (i) Briefly explain how taxation determines price of an agricultural good.	
9.	(ii) Name five factors affecting the demand of an agricultural good. (a) (i) What is soil?	
	(ii) Show the distribution of soil components by volume.	
	(b) State five factors that influence soil formation.	

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10. (a) Differentiate the following: (i) Interplanting and monocropping.	
(ii) Mixed cropping and intercropping.	
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(b) (i) What is meant by crop rotation?	
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(ii) Enumerate five advantages of crop rotation.	

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