Candidate's Examination No......

THE UNITED REPUBLIC OF TANZANIA MINISTRY OF EDUCATION AND VOCATIONAL TRAINING FORM TWO SECONDARY EDUCATION EXAMINATION, 2010

0034

AGRICULTURAL SCIENCE

TIME: 2 HOURS

INSTRUCTIONS

- 1. This paper consists of sections A and B.
- 2. Answer ALL questions.
- 3. Read the instructions given under each section carefully.
- 4. ALL answers must be written in the spaces provided for each question.
- 5. Write your examination number at the top right hand corner of every page.
- 6. ALL writing should be in black or blue ink.
- 7. Cellphones and calculators are not allowed in the examination room.

FOR EXAMINER'S USE ONLY				
QUESTION NUMBER	SCORE	INITIALS OF EXAMINER		
100000000000000000000000000000000000000				
2				
3				
4				
5				
6				
7				
8				
9				
10				
TOTAL				

This paper consists of 8 printed pages.

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SECTION A (30 MARKS)

. 1	he following statements are either correct or not correct. Write TRUE for a correct
SL	atement or FALSE for a statement that is not correct.
(i)	Agriculture is a science because it uses the background knowledge of natural science subjects.
(ii	
(iii	
(iv)	Under given market conditions, the value of goods or services is called price.
(v)	The First Aid kit enables us to observe the nature of the universe.
(vi)	
(vii)	Forging in metal work is known as the process of joining two parts of metals together
(viii	A nursery is a place where seedlings are sown, raised and cared for before
	transplanting them to the main field.
(ix)	Socio-economic factors are among the factors which limit livestock development in
	Tanzania
(x)	Early planting of crops in the season is a mechanical method of controlling weeds.

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Match the items in set A with those in set B by writing the correct letter below the corresponding question numbers in the answer table provided.

	SET A	SET B
1	A major factor of production	A. Capital
	a that af annualling considerism in	B. Debeaking
ii)	A method of controlling cannibalism in poultry	C. Dehorning
		D. Dry elephant grass
iii)	A succulent feedstuff	E. Gestation period
iv)	Artificial fertilizer	F. Guano
	Attitude terminal	G. Harnessing
v)	Checks the vertical straightness of walls	H. Heat period
	in masonry works	I. Inter-row spacing
vi)	Growing of crops and keeping of	J. Intra-row spacing
	animals at the same time	K. Land
	o C Limbing implements to	L. Mixed farming
vii)	Process of hitching implements to draught animals	M. NPK
	uraught unimus	N. Oxenization
viii)	Returns or payment for land use	O. Plumb bob
	The distance between plants within the	P. Rent
	row	Q. Sedentary farming
		R Spirit level
x)	The time when a female cow is ready to	la V - hanana lagues
	receive service from the bull ready for	T. Wage
	conception.	

ANSWERS

ANSWI	ERS	CO July 1	1	100	1 (0)	(vi)	(vii)	(viii)	(ix)	(x)
SET A	(i)	(ii)	(iii)	(iV)	(v)	(1)	(111)			Total Control
SET B		BENDER		200	No. of the		MAN RE			

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. Wr	ite down the letter of the correct answer in the box provided for each question.
(i)	A system of poultry keeping which is most practised in the rural areas of Tanzania
	A. battery cage system
	B. deep litter system
	C. fold unit system
	D. free range system.
(ii)	The process of feeding highly nutritious feed to female farm animals before a
	them is called:
	A. challenge feeding B. drying off
	C. flushing up
	D. steaming up.
(iii)	The recommended time for working animals (oxen) on the farm per day is:
	A. three hours
	B. four hours
	C. five hours D. six hours
	on Hours,
(iv)	The process of removing unwanted plants which cause annoyance to the
	owner is called:
	A. mulching B. prunning
	C. transplanting
	D. weeding.
(v)	The quantity of good or service that is bought at a particular price during a
	certain period is termed as:
	A. buffer stock
	B. demand
	C. equilibrium price
	D. supply.
(vi)	The most important factor which leads to the formation of a soil catena is:
	A. climate B. soil porosity
	C. soil structure
	D. topography.
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(vii)	Which of the follows
	process of forging?
	Anvil a language of the second
	B. Brace C. Hammer
	D. Tong.
(viii)	
	The major portion of soil by volume is:
	B. mineral matter
	C. organic matter
	D water.
(ix)	The following are example as
	The following are examples of beverages EXCEPT: A. cocoa
	B. coffee
	C. water
	D. tea.
(x)	price of free at the market decreases, its demand with
	A. be substituted
	B. decrease
	C. increase
	D. remain the same.
	SECTION B (70 MARKS)
(a) D	Define the term soil as used in Agriculture.
	·····
	•••••••••••••••••••••••••••••••••••••••
(b) N	Mention four factors that influence soil formation.
(i)
1	ii)
(iii)
(iv)

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(c) List	four organic manures which are used to enrich soils in Tanzania.
(i)	and the second s
	a committee and the committee of the com
(ii)	
(iii)	
(iv)	
5. (a) Wha	t is crop rotation?
(b) Outlin	ne four principles of crop rotation.
(i)	
(ii)	
(iii)	
	*
(iv)	
(10)	
6. Explain th	e importance of keeping poultry in Tanzania. Give four points.
(i)	
(.)	
(ii)	
(iii)	
(iv)	
	6

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Mention a	hand tool you will use to perform the following workshop operations:
(i)	Cutting along wood grains.
(ii)	Confirmatala
(iii)	Consultaning rough surfaces of wood.
	a de la matale
(iv)	1 Line on normalize
(v)	
(vi)	u when loosening of lightening.
(vii)	
(viii) (ix)	Holding a workpiece when a strong grip is necessary
(x)	Making joints in wood.
agricultur	
(i)	
(ii)	
(ii)	
(ii)	
(ii)	
(ii) (iii)	
(iii)	
(iii)	

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	Candidate's Examination No
	the following terms as used in Agricultural Science:
(i)	Castration
(ii)	Entrepreneur
(iii)	Oxenization
(iv)	Dual purpose chicken
(v)	Mutton
(vi)	Mohair
(vii)	Ornamental plants
(viii)	Arable farming
(ix)	Soil structure
(x)	Soil profile
10. (a) Wr	ite the common names of the following botanical names of crop plants:
(i)	Lycopersicon esculentum
(ii)	Zea mays
(iii	
(iv	Daucus carota
(b) Lis	t down six characteristics of a subsistence farmer.
(i)	***************************************
(ii)	
(iii)
(iv	
(v)	
(vi	

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A CONTRACTOR	

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