# Candidate's Examination No....

# THE UNITED REPUBLIC OF TANZANIA MINISTRY OF EDUCATION AND VOCATIONAL TRAINING FORM TWO SECONDARY EDUCATION EXAMINATION, 2011

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.
- 5. Write your examination number at the top right 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			
1		March Control of the Control			
2					
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TOTAL		,			

This paper consists of 8 printed pages.

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# **SECTION A (30 MARKS)**

- 1. The following statements are either correct or not correct. Write **TRUE** for the correct statement or **FALSE** for the statement that is not correct.
  - (i) One of the advantages of Agricultural Science is that it does not need a laboratory for conducting experiments. .....
  - (ii) Herbicides are chemicals which are toxic to weeds. .....
  - (iii) Hybrid poultry birds which are bred purposely for meat production are called broilers. .....
  - (iv) The possession of rights to the use of land under specified conditions is called land reform. .....
  - (v) Once an accident occurs on the farm, the victims have to be given immediate medical assistance known as First Aid.
  - (vi) Soil pH, soil texture, soil density, soil profile and soil colloids are physical properties of soils. .....
  - (vii) Good house keeping is not a necessary safety precaution in a farm workshop. .....
  - (viii) The major challenge facing horticultural producers and transporters is the perishability nature of the horticultural products. ......
  - (ix) Free range poultry keeping system is good for poultry keepers living in highly populated cities and towns. .....
  - (x) The possibility of getting no harvests from your farm in a given farming season can be controlled through crop diversification.

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2. Match the items in Set A with those in Set B by writing the correct letter below the corresponding question number in the table provided.

	SET A	SET B		
(i)	Action of looking after chicks 4	A. Amaranthus hybridus		
(ii)	A farming system where only	B. Animals are freely available		
	crops are produced	C. Arable farming		
(iii)	An advantage of animal power	D. Capital		
	over tractor power (	E. Cat		
(iv)	A method of regulating	F. Chick feeding		
	temperature in gardens	G. Chick rearing		
(v)	A ruminant farm animal H	H. Cow		
(vi)	A scientific name for local	I. Culling		
	spinach A	J. Flat lands with light soils		
(vii)	Conditions for successful	K. Hard soils with sloppy lands		
	oxenization	L. Labour		
(viii)		M. Monocropping		
	production process L	N. Mulching		
(ix)	Removing unproductive animals	O. Profit		
	in a herd \( \)	P. Rent		
(x)	Returns for land use?	Q. Solanum melongena		
		R. Uses simple technology		
	The second section of the second	S. Weeding		
		T. Yoke harness		

#### **ANSWERS**

	SET A	(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)	(x)
1	SET B		1000	10000	WAR		E color	1000	1000	100	

- 3. Write the letter of the correct answer in the box provided.
  - (i) The recommended time to transplant tomato seedlings is:
    - A. at night
    - B. in the evening
    - C. mid-day
    - D. in the morning.
  - (ii) The action of growing a different type of crop on the same piece of land in successive seasons is known as:
    - A. crop rotation
    - B. relay cropping
    - C. sedentary farming
    - D. shifting cultivation.

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(v) If you want to keep thousands of poultry birds.

fold unit system.

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6.		efly explain the economic importance of livestock in Tanzania. Use the owing sub-headings:					
	(i)	Source of food to man					
	(ii)	Source of farm power					
	(iii)	Provision of employment for many people					
	(iv)	Provision of industrial raw materials					
	1						
	(v)	Social uses					
7	cont	nout using mechanical, biological or chemical methods of weed rol, explain five other ways which can be used to control weeds in Farm.					
	(i)						
		•••••••••••••••••••••••••••••••••••••••					
	(ii)						
	(11)						
	(iii)						

6

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	(iv)		
	(v)		
8.	Wr	ite common names for each of the following weeds:	
	(i)	Cyperus rotundus	
	(ii)	Bidens pilosa	
20	(iii)		
	(iv)	Digitaria scalarum	
	(v)	Cyllodoli dactyloli	
9.	Ou	tline the function of each of the following pipe fittings as used in	
	plu	imbing:	
	(i)	Coupling	
	(ii)	Elbows	
	(iii)	Tees	
	(iv)	Nipples	
	(v)	Pipe valves	
		7	

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	2 Examination No
	te five factors that may cause a change in demand for goat
mea	at at Mailimbili market in Dodoma.
(i)	
(11)	
(ii)	
(iii)	
(iv)	
(v)	
y	8