

FT17PREP

*Candidate's Examination Number* .....

**THE UNITED REPUBLIC OF TANZANIA  
NATIONAL EXAMINATIONS COUNCIL  
FORM TWO NATIONAL ASSESSMENT**

**034**

**AGRICULTURAL SCIENCE**

**Time: 2:30 Hours**

**Monday, 20<sup>th</sup> November 2017 a.m.**

**Instructions**

1. This paper consists of sections A, B and C with a total of **ten (10)** questions.
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 writings 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	EXAMINER'S INITIALS
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
<b>TOTAL</b>		



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**SECTION A (20 Marks)**

Answer **all** questions in this section.

1. For each of the items (i) – (x), choose the correct answer from the given alternatives and write its letter in the box provided.

- |  |                      |
|--|----------------------|
| (i) Coconut grows well in<br>A Northern zone      B Coastal zone<br>C Southern zone      D Central zone  | <input type="text"/> |
| (ii) Shields and goggles are protective gears used in<br>A forging      B welding<br>C soldering      D rivetting  | <input type="text"/> |
| (iii) Which one of the following is a soil conservation measure in crop production?<br>A Monocropping      B Cultivation along steep slope<br>C Contour farming      D Burning of vegetation   | <input type="text"/> |
| (iv) Good handling of livestock during feeding can be shown by<br>A allowing them to rest in shade<br>B exposing them in long day sunlight for temperature regulation<br>C forcing them to eat by beating<br>D exposing them in rain for cooling | <input type="text"/> |
| (v) Which type of soil can be identified by being sticky when it is wet?<br>A Sand      B Silt<br>C Loam      D Clay   | <input type="text"/> |
| (vi) Which one is the function of mallet in farm workshop?<br>A Chopping wood      B Smoothing wood<br>C Striking nails      D Driving in chisels  | <input type="text"/> |
| (vii) Change in supply of an agricultural good can be caused by<br>A change in production technology<br>B change in consumers' tastes<br>C change in price of the good<br>D change in population   | <input type="text"/> |
| (viii) The growing of vegetables is termed as<br>A horticulture      B floriculture<br>C olericulture      D viticulture   | <input type="text"/> |
| (ix) A newly hatched poultry until it begins to show definite sexual characteristics is known as<br>A hen      B chick<br>C pullet      D cockerel   | <input type="text"/> |

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- (x) Price fluctuation that occurs within a year is considered to be

A long term                      B cyclical  
C seasonal                      D short term

2. Match the items in **List A** with the responses in **List B** by writing the letter of the correct response from **List B** below the corresponding item number in the table provided.

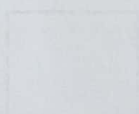
List A	List B
(i) A tool that scratch lines on metals.	A Files
(ii) A tool that marks location of holes in metals.	B Hack saw
(iii) A tool that smoothen metals.	C Try square
(iv) A tool that cut metals.	D Scriber
(v) A tool that make holes in metals.	E Callipers
	F Centre punch
	G Cold chisel

**ANSWERS**

List A	(i)	(ii)	(iii)	(iv)	(v)
List B					

3. For each of the following statements, write **TRUE** if a statement is correct or **FALSE** if a statement is not correct.

- (i) It is advised to hurry by running when working with sharp edged tools in the farm workshop.....
- (ii) Mixed cropping and intercropping differ in patterns of planting the crops.....
- (iii) Dipping kills parasites in animals.....
- (iv) The larger the soil particles, the lower the water holding capacity.....
- (v) Price is a measure of value of a good or service.....





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**SECTION B (60 Marks)**

Answer **all** questions in this section.

4. (a) Giving an example, briefly explain interdependence between agriculture and manufacturing industries.

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.....  
.....  
.....

- (b) Evaluate six importance of agricultural sector in Tanzania.

(i) .....  
.....  
(ii) .....  
.....  
(iii).....  
.....  
(iv).....  
.....  
(v) .....  
.....  
(vi).....  
.....

5. (a) Explain the following metal work processes.

(i) Forging.....  
.....  
.....  
(ii) Soldering.....  
.....  
.....

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(iii) Welding.....  
.....  
.....

(iv) Rivetting.....  
.....  
.....  
.....

(b) Give the use of each of the following in carpentry work.

(i) Pencil  
.....  
.....

(ii) Ruler  
.....  
.....

6. (a) Differentiate between the following:

(i) Monocropping and monoculture.  
.....  
.....  
.....  
.....  
.....  
.....

(ii) Mixed cropping and mixed farming.  
.....  
.....  
.....  
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(b) Examine six benefits of intercropping.

(i).....

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(ii).....

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(iii).....

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(iv).....

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(v).....

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(vi).....

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7. (a) Elaborate five important factors to consider when raising egg poultry.

(i).....

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(ii).....

.....

(iii).....

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(iv).....

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(v).....

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(b) Suggest five ways on how livestock production can be improved in Tanzania.

(i).....

.....

(ii).....

.....



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(iii) .....

(iv) .....

(v) .....

8. (a) What is a factor of production?

(b) (i) Briefly describe the four factors of production.

- .....
- .....
- .....
- .....

(iii) Name the reward for each factor of production.

- .....
- .....
- .....
- .....

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9. (a) (i) Distinguish between physical and chemical weathering.

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- (ii) Identify four main agents of weathering.

- .....
- .....
- .....
- .....

- (b) Briefly describe the five constituents of soil

(i) .....

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(ii) .....

.....

(iii) .....

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(iv) .....

.....

(v) .....

.....





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