

FT17PREP

Candidate's Examination Number

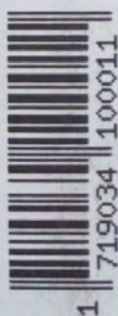
**THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL
FORM TWO NATIONAL ASSESSMENT**

034**AGRICULTURAL SCIENCE****Time: 2:30 Hours****Monday, 20th 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		
TOTAL		

BAY



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

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

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

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(iii) Welding.....
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(iv) Rivetting.....
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.....
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(b) Give the use of each of the following in carpentry work.

(i) Pencil

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.....

(ii) Ruler

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6. (a) Differentiate between the following:

(i) Monocropping and monoculture.

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(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).....
.....
- (vi).....
.....

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

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

(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.

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(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.

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- (b) Briefly describe the five constituents of soil

(i)
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(ii)
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(iii)
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(iv)
.....

(v)
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Answer question **ten (10)**.

