

Name..... sign.....

**Resource Mock Examinations 2019**  
**Principles and Practices of Agriculture**

**527/2**

**Time: 2hrs**

**Instructions:**

**Attempt all questions in the space provided**

**For examiners use only**

QUESTIONS	MARKS	EXAMINER'S NUMBER
<b>Total</b>		

1. (a). You are provided with the following specimens which are used in crop improvement, describe their appearance. (2 marks)

A.....

.....  
.....

B.....

.....  
.....

C.....

.....  
.....

D.....  
 .....  
 .....

b). Measure one spatula end full of specimen A and put it in the test tube. Add in 10cm<sup>3</sup> of water and shake it vigorously, record the results in the table below. Repeat the above procedure with soil sample B, C, and D (4marks)

Specimen	Observation	Deduction
A		
B		
C		
D		

C) Basing on your observation when should specimen A and C be applied and give a reason for your answer. (4 marks)

Time of application

A.....  
 .....

Reason

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

Time of application

C.....  
 .....

Reason

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

2. a) You are provided with the following specimens which are animal parasites. State whether they are ecto or endo parasites ( $\frac{1}{2}$  mark)

E.....

F.....

G.....

b) Basing on your observations, state the features that enables them to survive as parasites. (3 marks)

E.....

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F.....

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c) In the space below draw a well labelled drawing of specimen E. (3 $\frac{1}{2}$  marks)

d) How can the farmer control the above specimens effectively? (3 marks)

E.....

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.....

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F.....

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G.....

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3. a) You are provided with the following specimens which are found in the tractor systems. to which system do they belong. (3 Marks)

H.....  
.....

i.....  
.....

J.....  
.....

B) Observe the specimen and give the features which enable the specimens to perform their functions in the above system. (3 marks)

H.....  
.....

.....  
.....

i.....  
.....

.....  
.....

J.....  
.....

.....  
.....

c) How can the efficiency of the above specimens be improved. (4 marks)

H.....  
.....

.....  
.....

i.....  
.....

.....  
.....

J.....  
.....

.....  
.....

4. a) You are provided with the following specimens which are used in the workshops.

Give the function of each specimen. (2 marks)

M.....  
.....

N.....

.....

O.....

.....

P.....

.....

.....

b) Using the observable features how the above specimens adapted to the above functions. (4 marks)

M.....

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N.....

.....

O.....

.....

P.....

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d) Describe how the above specimens are used jointly to make poultry door frame. (4 marks)

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5. a) You are provided with specimens W and X, comment on the suitability of the specimens and give reasons. (4 marks)

W

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X.

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b) Describe the appearance of specimen W1 (3 marks)

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C (i) Which pest might have caused the damages on specimen W? (1 marks)

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(ii) How can the farmer increase on the longevity and viability of specimen W?(2 marks)

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END