

**RESOURCEFUL MOCKS EXAMINATIONS 2017**  
**S.4 PRINCIPLES AND PRACTICES OF AGRICULTURE**  
**P527/2**  
**TIME: 2Hours**

**NAME**.....

**INSTRUCTIONS:**

- Attempt all questions in this paper.
- Write all answers in the spaces provided.

1. You are provided with specimens X, Y and Z, Study them carefully and answer the following questions;

(a) Identify the observable characteristics that makes specimen X fit for soil improvements. (02marks)

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

(b) Give the importance of using specimen X in Crop production (2½marks)

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

(c) State advantages of spreading specimen Y on the field under Vegetables. (02marks)

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

- (d) List any two disadvantages of using specimen Z to mulch Crops. (02marks)
  - (i) .....
  - (ii) .....
- (e) Give any one major crop mulched using specimen Z (½mark)
  - (i) .....
- (f) State any two factors that determine the quality of specimen X. (1mark)
  - (i) .....
  - (ii) .....

2. Specimen A is one of an important livestock product;

- (a) Identify the farm animal that provides the product labeled A. (½mark)  
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- (b) Identify observable effects on the specimen A that makes it a low quality product. (3marks)
  - (i) .....
  - (ii) .....
  - (iii) .....
- (c) Suggest how farmers can improve on the quality of specimen A during slaughtering. (03marks)
  - (i) .....
  - (ii) .....
  - (iii) .....
- (d) Give the field management practices that lead to high quality production of specimen A. (03Marks)
  - (i) .....
  - (ii) .....
  - (iii) .....
- (e) State how to preserve the specimen A to be stored for a longest time. (½mark)  
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3. Specimens L are commonly used in form machines study them carefully and answer the following questions.

(a) Give observable feature that makes each specimen recommended for use in machines.

(03marks)L<sub>1</sub>.....

.....

L<sub>2</sub>.....L

3.....

(b) Identify any part of the tractor where each specimen is normally used.

(03marks)

L<sub>1</sub>.....

L<sub>2</sub>.....

L<sub>3</sub>.....

(c) State the function of each specimen in the part you have identified in 1 (b) above.

(1½marks)

L<sub>1</sub>.....

L<sub>2</sub>.....

L<sub>3</sub>.....

(d) Mention the causes of damage on specimen L<sub>1</sub> in a tractor.

(2½marks)

(i) .....

(ii) .....

(iii) .....

(iv) .....

4. Study specimens M, N, and K carefully and answer the following questions.

(a) Of which importance are specimens M, N and K in crop production. (01mark)

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(b) State the advantages of using specimen M over specimen N in the crop field management.

(04marks)

(i) .....

- (ii) .....
- (iii) .....
- (iv) .....

(c) Outline the factors you would consider when selecting specimen K for use in the field. (03marks)

- (i) .....
- (ii) .....
- (iii) .....

(d) Explain why it's easy for farmers to store specimens M for future use than specimen N. (01mark)

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(e) List the treatments that farmers can carry out before storing specimen M (01mark)

- (i) .....
- (ii) .....

5. Use specimens R, S, T, U and V to answer the following questions.

(a) Mix specimen R to specimen S in a ratio of 1 part of R to 2 parts of S, using specimen U.

(i) Which building material has been made from the mixture in (5a) above? (01mark)

(ii) In which building activities is the mixture in 5(a) commonly used? (01mark)

- (i) .....
- (ii) .....

(b) State how farmers can improve on the quality of V in construction. (03marks)

- (i) .....
- (ii) .....
- (iii) .....

(c) Give the procedure of mixing the specimens R, S, T and U to form concrete. (03marks)

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(d) List advantages of using specimen V construction of farm houses. (02marks)

- (i) .....
- (ii) .....

**END**