

THE SUCCESS PATH EXAMINATION COUNCIL (SPEC)

Paving the Way to Success

443/2 AGRICULTURE

FORM 4 PRE-MOCK 2026

March 2025

Time: 2 hours



Paper 2

443/2
4992104

Name Admission Number

School Class

Candidate's Signature Date

Instructions to candidates:

- (a) *Write your name and admission number in the spaces provided above.*
- (b) *Sign and write the date of examination in the spaces provided above.*
- (c) *This paper consists of three sections A, B and C.*
- (d) *Answer all questions in Section A and B.*
- (e) *Answer any two questions in section C.*
- (f) *Answers should be written in the spaces provided.*
- (g) *This paper consists of 11 printed pages.*
- (h) *Candidates should check the question paper to ascertain that all the pages are printed as indicated and no questions are missing.*
- (i) *Candidates should answer the questions in English.*

For Examiner's Use Only

Section	Questions	Maximum Score	Candidate's Score
A	1 – 18	30	
B	19 – 22	20	
C		20	
		20	
Total Score		90	

SECTION A (30 Marks)

*Answer **all** the question in this section in the spaces provided.*

1. Give two uses of the roof of cattle dip tank. (1mark)

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2. State two causes of soft shelled eggs. (1mark)

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3. Give four signs of farrowing in a sow. (2marks)

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4. Outline four causes of cannibalism in a flock of layers in the deep system. (2marks)

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5. State four maintenance practices carried out on a Jack plane. (2marks)

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6. State three uses of solar power on the farm. (1½ marks)

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7. Name four types of layer breeds of chicken. (2marks)

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8. Give the distinguishing characteristics of Essex and Wessex Saddle back breed of pigs. (1mark)

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9. Give four symptoms of brucellisis in cows. (2marks)

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10. State four reasons why inbreeding may be useful in livestock production. (2marks)

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11. Give two effects of Tsetse flies on livestock. (1mark)

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12. Name two types of rabbit houses. (1mark)

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13. List four types of vaccines used in livestock production. (2marks)

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14. Name four types of pests that affect bees. (2marks)

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15. Outline three reasons why farmers dehorn cattle. (1¹/₂marks)

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16. (a. Differentiate between cropping and harvesting as used in fish production. (1mark)

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b. Name two species of fresh warm water fish. (1mark)

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17. Give four reasons for steaming up dairy cattle. (2marks)

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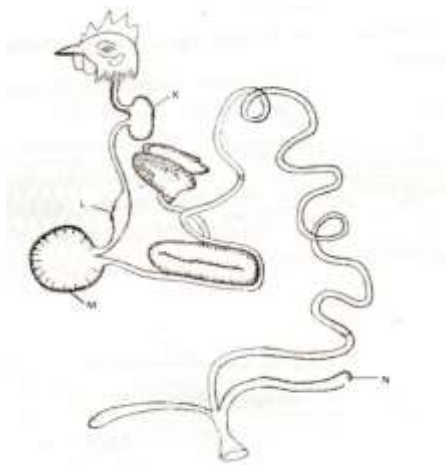
18. List four post milking practices. (2marks)

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SECTION B (20 Marks)

Answer *all* questions in this section in the spaces provided.

19. The diagram below shows the digestive system of a chicken. Study it and answer question that follow.



(a) . Identify the parts labeled **K**, **L**, **M** and **N** above. (2marks)

K.....

L.....

M.....

N.....

(b) . Give the function of the part labeled **M** that makes it efficient in digesting food. (2marks)

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(c) . Give two characteristics of the part labeled M that make it efficient in digesting food.

(1mark)

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20. Study the illustration below showing an animal suffering from a disease. Study it and answer question that follow.



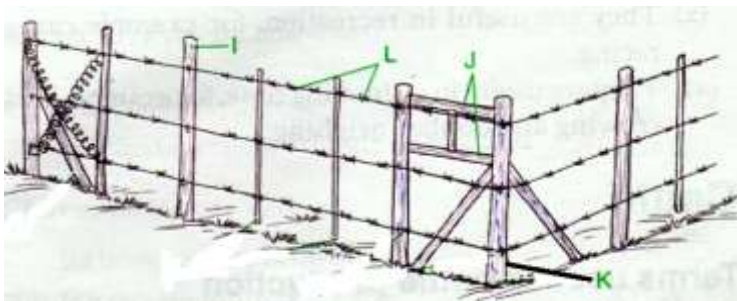
(a) . Identify the disease the animal is suffering from.

(1mark)

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(b) What causes the disease shown above? (1mark)

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© Give three symptoms shown by a cow suffering from the disease above. (3marks)

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21. Study the farm structure shown below and answer questions that follow.



(a). Identify the structure shown above. (1mark)

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(b) Name the parts labeled **I, J, K** and **L**. above. (2marks)

I.....

J.....

K.....

L.....

(c) Give two disadvantages of using the structure above in pasture fields. (1mark)

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.....

22. The diagram below shows a stir up pump. Study it and answer questions that follow.



(a) Name the parts labeled **A, B, C** and **D**. (2marks)

A.....

B.....

C.....

D.....

(b. State two maintenance practices that should be carried out on the equipment illustrate above (2mks)

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(c. State one disadvantage of using the equipment above in controlling ticks. (1mk)

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