

Student Name: _____ Day/Open(Tick)

M012/I



CENTRAL EAST EDUCATION DIVISION
2026 MSCE MOCK EXAMINATION
AGRICULTURE



Subject Number. M012/I

Monday, 16 March

Time Allowed: 2 Hours

08:00 – 10:00 am

Paper I
(100 Marks)

Instructions

- 1. This paper contains 12 printed pages. Please check.**
- 2. This paper has two sections: A and B. Section A has 10 (ten) questions, and Section B has 3 (three) questions.**
- 3. Answer **all** questions in the spaces provided.**
- 4. Write your name on **all** pages.**
- 5. In the table provided on this page **tick** against the question number you have answered.**
- 6. At the end of the examination, hand in your paper to the invigilator.**

Question Number	Tick if answered	Do not write in these columns	
1			
2			
3			
4			
5			
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7			
8			
9			
10			
11			
12			
13			



Section A: (70 Marks)

Answer all questions in this section.

1. a. Mention any **one** feeding behaviour of goats.

(1 mark)

- b. Describe any **one** type of livestock feed ration.

(2 marks)

- c. Explain any **two** limitations of using introduction as a method in livestock improvement.

(4 marks)

2. a. Mention any **two** methods of treating mushroom substrates.

(2 marks)

- b. Explain any **one** way in which crop processing technology ensures food security.

(2 marks)



c. A farmer brought an animal from another khola but of the same breed for mating.

(i) Name the breeding system done by the farmer.

(1 mark)

(ii). Explain any **one** advantage of the breeding system in c (i).

(2 marks)

3. a. State any **two** functions of proteins in chickens.

(2 marks)

b. Describe any **one** method of weeding a mango orchard.

(2 marks)

c. Describe any **two** methods of treating pasture seeds.

(4 marks)



4. a. Mention any **two** symptoms of foot rot disease in sheep.

(2 marks)

b. Mention the textural class of soil suitable for the growing of rice.

(1 mark)

c. Give any **one** way in which each of the following measures deals with climate change.

(i). Growing drought – tolerant crops.

(1 mark)

(ii). Agroforestry.

(1 mark)

d. Explain **one** way in which tie ridging helps to prevent soil degradation.

(2marks)

5. a. Give any **two** reasons for taking inventory on the farm every year.

(2 marks)



b. Give **one** way in which asexual propagation ensures each of the following;

(i) Genetic uniformity.

(1 mark)

(ii) Early maturity of fruits.

(1 mark)

c. Give any **two** ways in which keeping a labour record is important in crop production.

(2 marks)

6. a. Give any **one** solution to each of the given challenges when running agricultural cooperatives.

(i) Lack of loyalty among members.

(1 mark)

(ii) Lack of expertise among managers and staff.

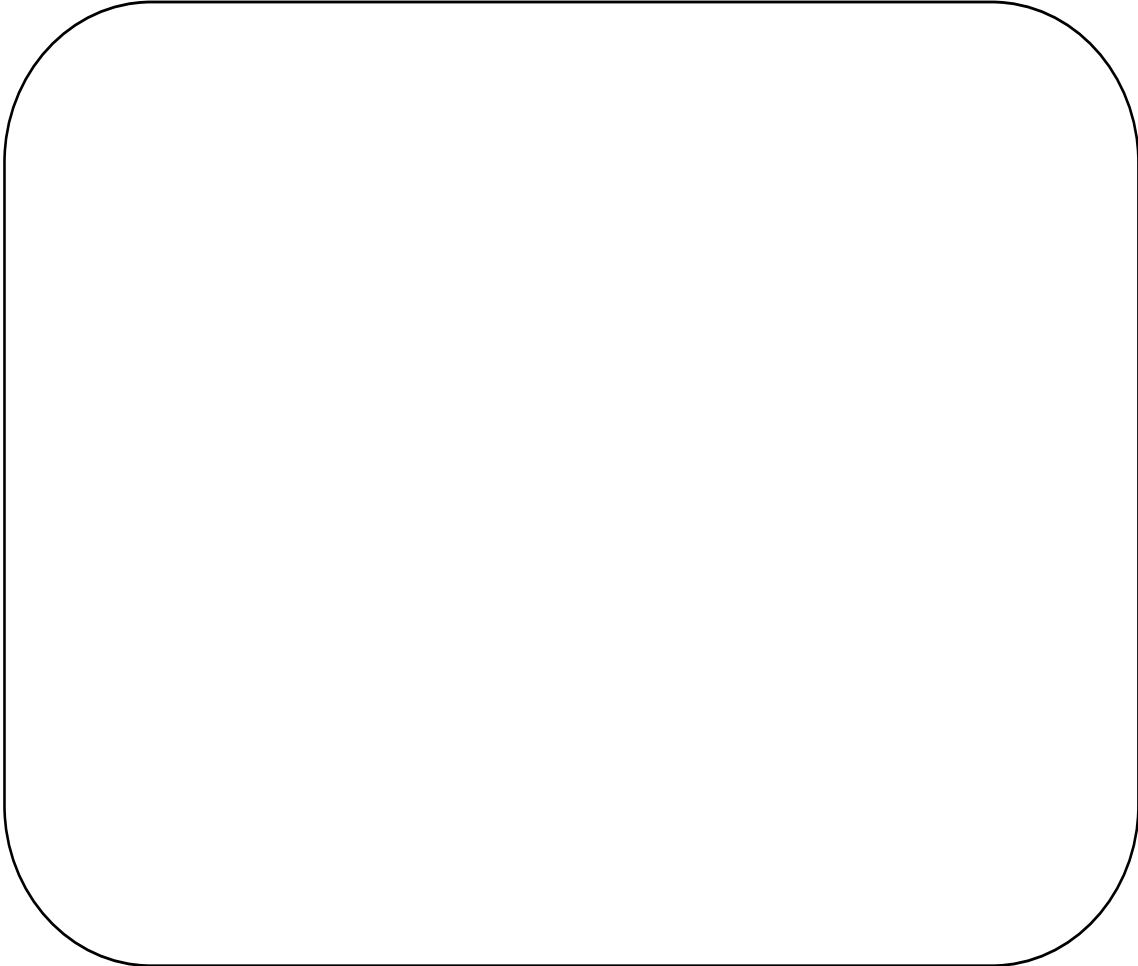
(1 mark)

b. State any **two** ways in which trading at national level is important.

(2 marks)



c. Calculate price elasticity of supply of beef if a price change from K10,000.00 per kg to K9,000.00 per kg resulted in a change in the supply of beef from 1,800 kg to 1,500kg.



(4 marks)

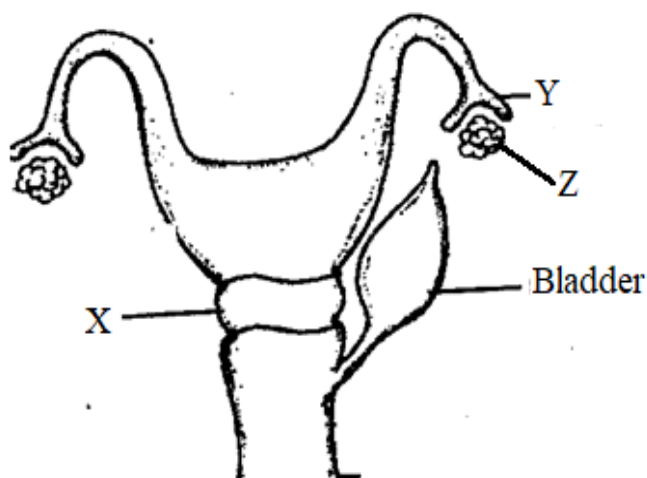
7. a. Explain any **two** characteristics of beef cattle.



(4 marks)



b. The following **Figure** is a diagram showing the reproductive system of one of the farm animals.



(i) Name the part marked X and Y.

X _____

(1 mark)

Y _____

(1 mark)

(ii) Mention any **one** function of the part labelled Z.

(1 mark)

8. a. Explain any **two** qualities of a sheep to be selected for breeding purposes.

(4 marks)

b. Explain any **two** factors that affect the quality of conserved pasture.

(4 marks)

9. a. Explain any **one** way in which each of the following activities can reduce marketing margin on farm.

(i). Eliminating some marketing functions.

(2 marks)

(ii). Selling commodities through cooperatives.

(2 marks)

b. Give any **one** way in which each of the following approaches deals with the effects of gender biases in agricultural technology.

(i). Provision of education to both males and females.

(1 mark)



(ii). Providing equal employment opportunities to both males and females.

(1 mark)

10.a. Mention the first **two** stages of the reproductive process in cattle.

(2 marks)

b. Describe **one** way in which each of the following helps to preserve crops.

(i) Drying.

(2 marks)

(ii). Freezing.

(2 marks)

Section B (30 Marks)

Answer all the three questions in this section.

11.Explain any **five** advantages of practising mixed cropping.

(10 marks)



12.Explain any **five** effects of soil pH on vegetable production.

[illegible]

(10 marks)



13. Farmers in a certain community have the following resources; **beans, local and improved maize seeds, a piece of land with *Faidherbia albida* trees, a dam and goats.**

Explain any **five** ways in which the farmers can use the available resources to increase maize production.

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(10 marks)

END OF QUESTION PAPER

NB: This paper contains 12 pages

