

Name: .....Index No:.....Adm.No.....

Class.....Candidate's Signature:.....Date: .....

443/2

**AGRICULTURE**

**TIME: 2 HOURS**

# KAMDARA JET - 2016

## INSTRUCTIONS TO CANDIDATES:

- Write your **name** and **index number** in the spaces provided.
- **Sign** and **write the date** of examination in the spaces provided
- This paper consists of **three** section **A,B** and **C**
- Answer **all** the questions in section **A** and **B**
- Answer any **two** questions in section **C**
- All the questions should answered in the spaces provided

### FOR EXAMINER'S USE ONLY

SECTION	QUESTIONS	MAX SCORE	CANDIDATES SCORE
A	1 -18	30	
B	19 – 22	20	
C	23 -25	40	
	<b>TOTAL</b>	<b>90</b>	

*This paper consists of 12 printed pages candidates should check the question paper to ascertain all the pages are printed as indicated and no questions are missing.*

**SECTION A (30 MARKS)**

**Answer all questions in this section in the spaces provided after each question.**

1. Name an exotic beef breed of cattle with the following characteristics  
-Black in colour  
- polled  
-Has a long cylindrical compact and deep body. ( 1mk)

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2. Give five reasons for identification of cattle in cattle management. (2 ½ mks)

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3. State four qualities of eggs preferred by consumers in the market (2 mks)

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4. (a) List four predisposing factors of livestock diseases. (2 mks)

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- (b) Distinguish between isolation and quarantine in livestock health. (2 mks)

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( c ) Name the intermediate and final host of the tapeworm.

Intermediate..... (1/2mk)

Final..... (1/2mk)

5. State one role of the damp proof course in the foundation of a farm building. ( 1/2mk)

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6. List three signs of farrowing in a sow. (1 1/2 mks)

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7 State **two** reasons for raddling in sheep management. (2marks)

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8 Name the livestock diseases that may be controlled by use of artificial insemination. (1 mk)

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9. Name four uses of dromedary camel. (2 mks)

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10 A part from transmission of disease, give **three** harmful effects of ticks on cattle. (1 1/2 mks)

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11 State any **four** factors considered when siting farm structures (2mks)

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12. State **four** major categories of farm tools and equipment ( 2mks)

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13 State **two** reasons for proper care and maintenance of farm tools and equipment (1mks)

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14 Outline any **four** causes of cannibalism in poultry production. (2mks)

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15 Give the functional difference between a rip saw and a tenon saw. (1mk)

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16 Name **two** cattle diseases controlled by vaccines. (1mk)

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17. Differentiate between a broiler and a capon (1mk)

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18. State **two** advantages of using embryo transplant. (1mks)

**SECTION B (20 MARKS)**

**Answer all questions from this section in the spaces provided after each question.**

19 (a) If the maize meal contains 6% Digestible Crude Protein (DCP) and Fish meal contains 64% DCP, calculate the amount of each feed stuff in kilogrammes, required to prepare 200kg of chickmash containing 18% DCP (Show your working) (4mks)

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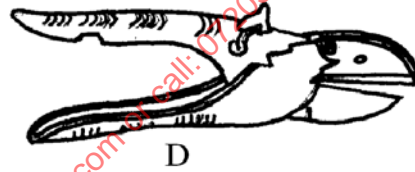
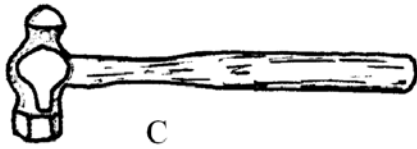
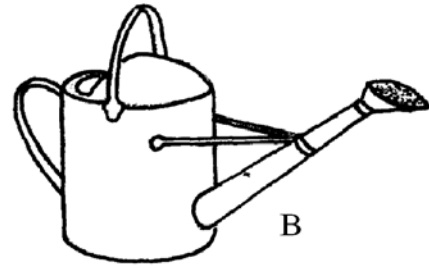
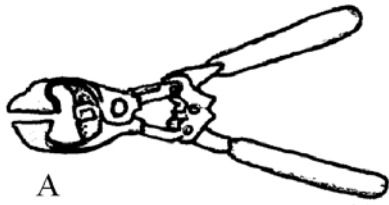
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( b ) Name **two** other feed ingredients which should be added to the chick mash to make it a balanced feed. (1mk)

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20. Below are illustrations of farm tools and equipments.



(a) Identify the tool/equipment labelled A and B.

A..... (1 mk)

B..... (1 mk)

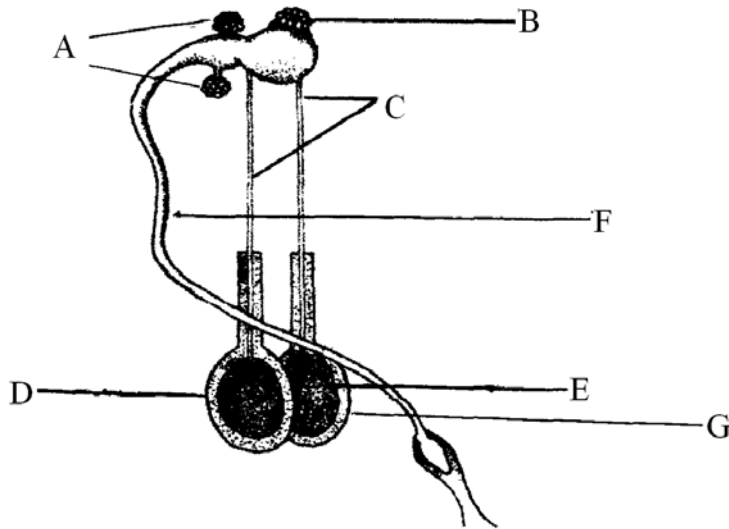
(b) State two appropriate uses of the tool labelled C. (1 mk)

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(c) Explain two maintenance practices of the tool labelled D. (2 mks)

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21. The diagram below shows the reproductive system of a bull. Study the diagram carefully and then answer the questions that follow.



(a) Name the parts labelled A,B and C. (1 ½ mks)

A.....

B.....

C.....

(b) State one function of each of the parts labeled B, D and F. (1 ½ mks)

B.....

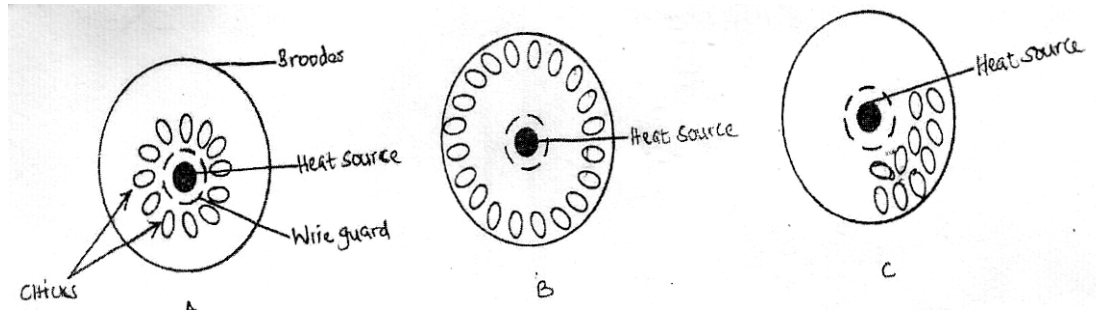
D.....

F.....

(c) Explain two suitable conditions for the proper function of part E. (2 mks)

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22. Below are illustrations showing the behavior of chicks in various brooders. Study the diagrams and answer the questions that follow.



(i) State the environmental problem in each brooder as illustrated by the behavior of the chicks (3marks)

A.....

B.....

C.....

(ii) State **two** ways of overcoming the problem in **B** (2marks)

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### SECTION C (40 MARKS)

Answer any **two** questions from this section in the spaces provided after question 25

23.(a) Describe conditions under which bees abscond the hive (5mks)

(b) Describe the causes of stress in poultry management (10mks)

(c) Describe the uses of fences on the farm (5mks)

24 (a) State **five** advantages of farm mechanization (5mks)

(b) Give **five** maintenance practices of a water cooling system of a tractor. (5mks)

(c) Describe **Rinderpest** disease under the following sub-headings.



- (i) Animals attacked **(2mks)**
- (ii) Causal agent. **(1mk)**
- (iii) Symptoms of the disease. **(4mks)**
- (iv) Control measures. **(3mks)**

25. (a) Explain **four** factors that affect digestibility of food in livestock. **(8mks)**

b) Explain the essentials of clean milk production **(7mks)**

(c) State **five** disadvantages of natural method of mating. **(5mks)**

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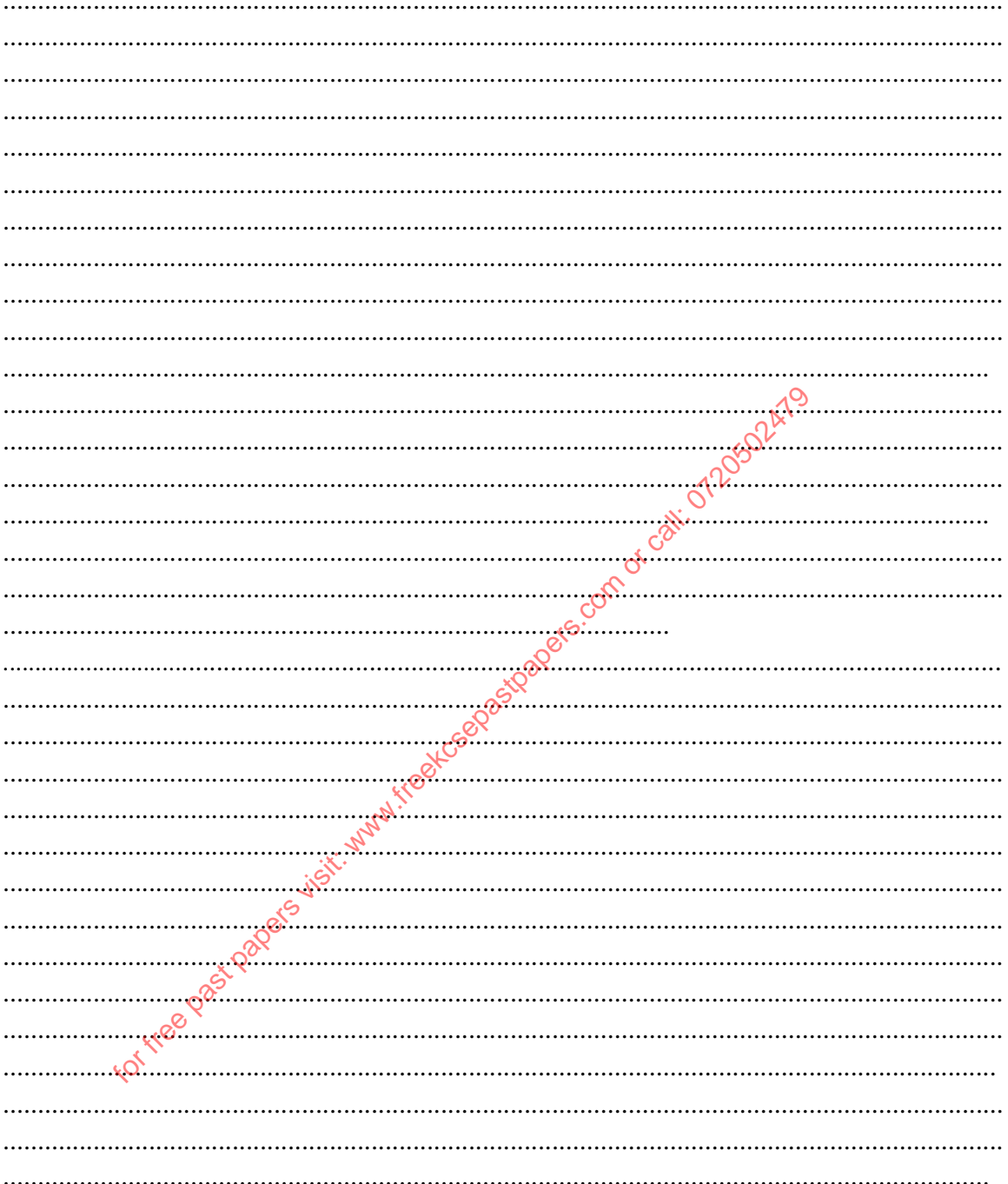
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