

Name: Adm No

School: Signature

Date:

**AGRICULTURE
PAPER
TIME: 2 HOURS
TERM 3 2017**

2017
Form 2

**Agriculture
Paper
2 hours**

INSTRUCTIONS TO STUDENTS:

- Write **your name, admission number and school** in the spaces provided.
- Sign and write the date of the examination in the spaces provided.
- This paper consists of **two** sections; **A and B**.
- Answer **all** questions in section **A and B**.
- All answers **must** be written in the spaces provided.

For Examiner's Use Only;

SECTION	QUESTION	MAXIMUM SCORE	STUDENT'S SCORE
A	1 - 15	20	
<u>B</u>	16-18	30	
C	19 – 20	40	
	TOTAL SCORE	90	

This paper consists of 9 printed pages. You should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.

1. Define the following as used in agriculture. (2 marks)

(i) Plantation farming

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(ii) Large scale farming

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2. Mention **four** factors that cause farmers to adopt small - scale farming. (2 marks)

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3. Highlight **four** methods in which land can be reclaimed. (2 marks)

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4. Give **four** reasons why water is treated before use in the farm. (2 marks)

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5. Identify **four** farming practices that improve soil structure. (2 marks)

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6. Give **four** effects of wind on crops. (2 marks)

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7. Identify **four** features of ranching as a farming system. (2 marks)

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8. List **four** tools and equipment used to maintain health of livestock. (2 marks)

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9. Mention **four** components of soil. (2 marks)

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10. Mention **four** factors considered in choosing irrigation water pipes. (2 marks)

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11. Give four ways in which livestock production is affected with parasites. (2 marks)

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12. Apart from potassium, list **four** other macro-nutrients essential to plants. (2 marks)

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13. Mention **four** roles of potassium to plants. (2 marks)

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14. Give **four** characteristics of nitrogenous fertilizers. (2 marks)

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15. maize is planted at a spacing of 75 x25 cm, calculate the plant population in a plot of land measuring 4x3 m. (2 marks)

SECTION B (20 MARKS)

Answer all questions in this section.

16. A farmer was asked to apply fertilizers as follows:

200kg/ha of DSP (40% P_2O_5)

150kg/ha of muriate of potash (60% K_2O)

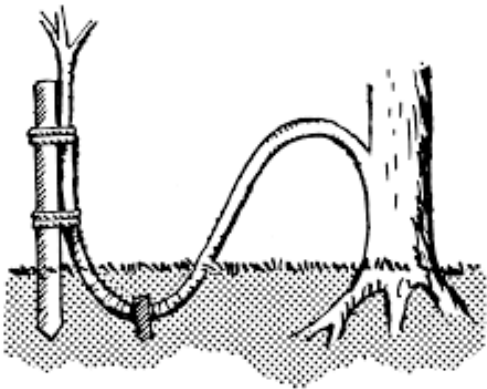
150kg/ha of sulphate of ammonia (20% N)

(a) How much P_2O_5 did the farmer apply per acre? (2 marks)

(b) How much K_2O did the farmer apply per hectare? (2 marks)

(c) How much N did the farmer apply per hectare? (2 marks)

17. Below is a method of crop propagation. Use it to answer questions that follow.



(a) Identify this practice. (1 mark)

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(b) State **three** advantages of the practice. (3 marks)

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(c) Give **two** disadvantages of the method of propagation above. (2 marks)

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18. The picture below shows a method of irrigation. Study it and then answer questions that follow.



(a) Name the method of irrigation. (1 mark)

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(b) Give **five** advantages of above method of irrigation. (5 marks)

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(c) Mention **two** limitations in using the above method of irrigation. (2 marks)

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SECTION C (40 Marks)

Answer all the questions in the spaces provided.

19. (a) Distinguish between seed dressing and seed inoculation. (2 marks)

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(b) Explain **four** methods of breaking dormancy in seeds. (8 marks)

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(c) State **five** factors a farmer should consider in timing planting. (5 marks)

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(d) Give **five** advantages of timely planting. (5 marks)

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