

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

School: ..... Signature .....

Date: .....

**AGRICULTURE  
PAPER  
TIME: 2 HOURS**

*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	
<b><u>B</u></b>	16-18	30	
C	19 – 20	40	
	<b>TOTAL SCORE</b>	<b>90</b>	

*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<sub>2</sub>O<sub>5</sub>)

150kg/ha of muriate of potash (60% K<sub>2</sub>O)

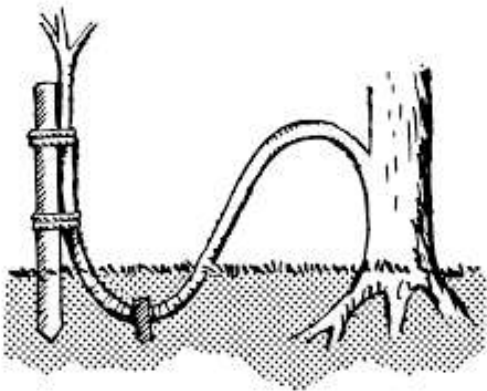
150kg/ha of sulphate of ammonia (20% N)

(a) How much P<sub>2</sub>O<sub>5</sub> did the farmer apply per acre? (2 marks)

(b) How much K<sub>2</sub>O 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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20. (a) State **five** advantages of using seeds as planting materials. (5 marks)

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(b) List five factors affecting rooting of cuttings. (5 marks)

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(c) Discuss **five** factors that determine spacing of crops. (10 marks)

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