**Name: …………………………………………………………… Adm No …......…..........................**

**School: ………………………………………………….....……. Signature …………………**

**Date: ……………………………………………………………**

**AGRICULTURE**

**PAPER**

**TIME: 2 HOURS**

**JULY/ AUGUST 2016**

**TOP EVALUATION TEST – 2016**

***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** | 16-18 | 30 |  |
| C | 19 – 20 | 40 |  |
|  | **TOTAL SCORE** | **90** |  |

*This paper consists of 8 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. Identify **four** groups into which vegetables are categorized. (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 to crops. (2 marks)

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

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8. Give reasons for pruning coffee. (2 marks)

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9. Give **four** importance of crop rotation. (2 marks)

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10. Outline the activities done to crops before their storage. (2 marks)

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11. Mention **four** features of a good crop storage structures. (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**

**Answer all questions in this section.**

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

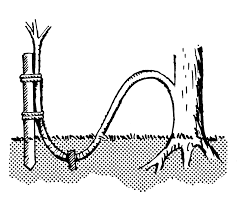
200kg/ha of DSP (40% P2O5)

150kg/ha of muriate of potash (60% K2O)

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

1. How much P2O5 didthe farmer apply per acre? (2 marks)
2. How much K2O did the farmer apply per hectare? (2 marks)
3. 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.



1. Identify this practice. (1 mark)

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

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1. 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.



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

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

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1. 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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1. 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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