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

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

**Date: ……………………………………………………………**

**AGRICULTURE**

**PAPER**

**TIME: 2 HOURS**

**JULY/ AUGUST 2016**

**TOP EVALUATION TEST – 2016**

***Form 1***

**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 - 13 | 50 |  |
| B |  14 – 15 | 40 |  |
|  | **TOTAL SCORE** | **90** |  |

*This paper consists of 6 printed pages. You should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.*

**SECTION A (50 marks)**

1. State **four** roles played by agriculture in national development. (4 marks)

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2. (a) Mention **four** problems that have hindered agricultural development in Kenya. (4 marks)

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(b) Suggest **four** ways in which the problems in 2(a) above can be alleviated. (4 marks)

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3.(a) State **four** features of shifting cultivation. (4 marks)

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(b) State four challenges associated with shifting cultivation. (4 marks)

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4. What is pastoralism? (1 mark)

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5. Identify **four** factors to consider when choosing a type of farm. (4 marks)

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6. Define arable farming. (1 mark)

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7. State **four** advantages of mixed farming. (4 marks)

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8. Identify **two** types of farming practiced by large scale farmers. (2 marks)

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9. Identify **three** aspects of rainfall which are important in crop production. (3 marks)

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10. (a) What is optimal temperature? (1 mark)

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 (b) Mention four effects of temperature on crop production. (4 marks)

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11. Give **four** factors that influence the choice of tools for primary cultivation. (4 marks)

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12. State **three** reasons why secondary cultivation is necessary. (3 marks)

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13. Mention **three** factors that determine the number of tillage operations during seedbed preparations.

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**SECTION B (40 Marks)**

14. (a) State **three** importance of using farm tools. (3 marks)

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(b) Identify **three** categories of farm tools and equipment. (3 marks)

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 (c) Why should tools and equipment be well maintained? (3 marks)

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(d) State four ways in which farm tools and equipment are maintained. (4 marks)

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(e) State **four** safety precautions necessary when using tools and equipment. (4 marks)

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15. (a) What is soil? (1 mark)

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 (b) In which **three** ways is soil is important to growing plants? (3 marks)

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(c) Highlight **four** factors which influence the soil forming process. (4 marks)

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(d) Explain **three** biological agents influence the speed of the soil forming process. (3 marks)

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(e) List **four** constituents of a fertile soil. (2 marks)

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(f) How important are the micro-organisms in the soil to the plants? (2 marks)

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(g) Mention **four** farming practices that improve soil structure. (4 marks)

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