**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Class\_\_\_\_\_\_\_\_\_\_\_\_\_\_Adm No:\_\_\_\_\_\_\_\_\_\_**

**Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Sign\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**END OF TERM ONE EXAMINATION**

**FORM TWO**

**AGRICULTURE**

**TIME 2 HOURS**

This paper has three section A, B and C.

Answer all questions in the section A, B and any two in section C.

All answers should be written in the spaces provided.

**OFFICIAL USE ONLY**

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| **SECTION** | **QUESTION** | **MAX SCORE** | **CANDIDATE SCORE** |
| A | 1 – 16 | 40 |  |
| B | 17 – 19 | 20 |  |
| C | 20 – 22 | 40 |  |
| **TOTAL** |  | **100** |  |

**SECTION A 40 MKS**

**Answer all question in this section**

1. State three ways through which agriculture contribute to industrial development. (3mks)

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2. Name three factors that influence shifting cultivation. (3mks)

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3. State two categories of parasites that affect livestock production. (2mks)

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4. List two maintenance practices carried out the following farm tools. (6mks)

 a) Wheel barrow

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b) Milking pail

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c) Wool shears

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5. State two reasons why a farmer should prepare land before planting. (2mks)

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6. Name three methods a farmer can use when doing tertiary cultivation. (3mks)

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7. State two disadvantages of plastic pipes in water conveyance. (2mks)

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8. State two importance of treating farm water before using it. (2mks)

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9. List two methods of preparing compost manure. (2mks)

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10. State two characteristics of a dairy cattle breed. (2mks)

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11. State two uses of farm records. (2mks)

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12. What does the following initials represent in fertilizer description N.P.K. (3mks)

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13. Differentiate between the following terms.

a) Straight fertilizer and compound fertilizer. (2mks)

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14. A farmer was advised to apply 180 kg CAN/ha when top-dressing the maize crops. If the C.A.N. available in shops contain 21% N. Calculate the amount of nitrogen applied per hectare. (2mks)

15. State two advantage of using seeds as planting materials. (2mks)

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16. Name two methods a farmer can use to break seed dormancy. (2mks)

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 **SECTION B 20 MKS**

**Answer all questions in this section.**

17a) Study the diagrams below and answer the questions that follow

 

a) Identify the soil sampling methods shown above. (2mks)

A ………………………………………………………………………………….

B ………………………………………………………………………………….

b) State three types of information written on a soil sample before it’s taken to the laboratory for testing. (3mks)

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c) State four areas where soil samples should not be collected for sampling. (4mks)

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18. Study the diagram below and answer the questions



a) Name the practice above. (1mk)

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b) State two advantages of the above practice on iris potatoes. (2mks)

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c) Name two methods used when planting crops. (2mks)

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a) Identify manure preparation method above. (4mks)

i) Wood ash

ii) Rotten manure

iii) Stick

iv) Top soil

c) State one reason why manure heap should be turned at least every 3 to 4 weeks. (1mk)

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 **SECTION C: 40 MKS**

**Answer any two questions in this section**

20a) Explain five factors that determine the quality of farm yard manure. (10mks)

b) Discuss five importance of keeping livestock in Kenya today. (10mks)

21a) Explain five methods through which a soil loses its fertility. (10mks)

 b) Describe five factors that affect the rooting of cuttings in vegetative propagation. (10mks)

22a) Explain five methods a farmer can use when applying fertilizer to crops. (10mks)

 b) State and explain five reasons why farm tools should be maintained. (10mks)

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