

**443/1**



**AGRICULTURE**



**PAPER 1**

**TIME: 2HOURS**

**JULY/AUGUST 2021**

**PREMOCK 1**

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

**Stream…………………………………………… Date ………………………….**

**Sign ......................................**

***INSTRUCTION TO CANDIDATES***

* *Write your* ***name*** *and* ***index*** *number and school, Sign and write the date in the spaces*

*provided above.*

* *This paper consists of* ***THREE*** *sections;* ***A, B*** *and* ***C.***
* *Answer* ***All*** *the questions in section* ***A*** *and* ***B*** *in the spaces provided and any* ***TWO*** *questions*

*from section* ***C*** *in the answer sheet provided*

***FOR EXAMINERS USE ONLY***

|  |  |  |  |
| --- | --- | --- | --- |
| **SECTION** | **QUESTION** | **MAXIMUM SCORE** | **CANDIDATE’S SCORE** |
| A | 1 - 17 | 30 |  |
| B | 18 - 22 | 20 |  |
| C |  | 20 |  |
|  | 20 |  |
| **TOTAL SCORE** | | **90** | |

***SECTION A (30 MARKS)***

***Answer all the question in this section in the spaces provided.***

1. Name the routine field practice done by:

(a) Removal of extra suckers in banana stool. (½mrk)

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(b) Removal of old stems down to level of top foliage in pyrethrum. (½mrk) ………………………………………………………………………………………………………………………………………………………………………………………………………………………………

(c) Removal of suckers from coffee bushes. (½mrk)

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2. State three characteristics of phosphate fertilizers. (1½mks)

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3. State two physical properties of soil that influence crop production. (1mk)

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4. Outline four ways by which crop pests are classified. (2mks)

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5. State three uses of labour records in Agriculture. (1½mks)

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6. Give four advantages of overhead irrigation in crop production. (2mrks)

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7. List three basic concepts in agricultural economics. (1½mrks)

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8. Give four varieties of tomatoes grown for processing. (2mks)

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9. State four pasture management practices done to enhance yields per unit area. (2mrks)

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10. Name two macro-nutrients which classified as:

(a) Fertilizer elements. (1mrk)

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(b) Liming elements. (1mrk)

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11. Give three ways by which pruning helps to control disease in crops. (1½mrks)

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12. State four ways in which weeds are excellently adapted to the environment. (2mrks)

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13. State four factors that determine the time at which a crop is planted. (2mks)

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14. Give four factors that affected the effectiveness of a pesticide. (2mrks)

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15. State four reasons for staking tomatoes in crop production. (2mrks)

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16 State three cultural methods of soil and water conservation. (1½mrks)

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17. State four benefits of having a land title deed to a farmer. (2mrks)

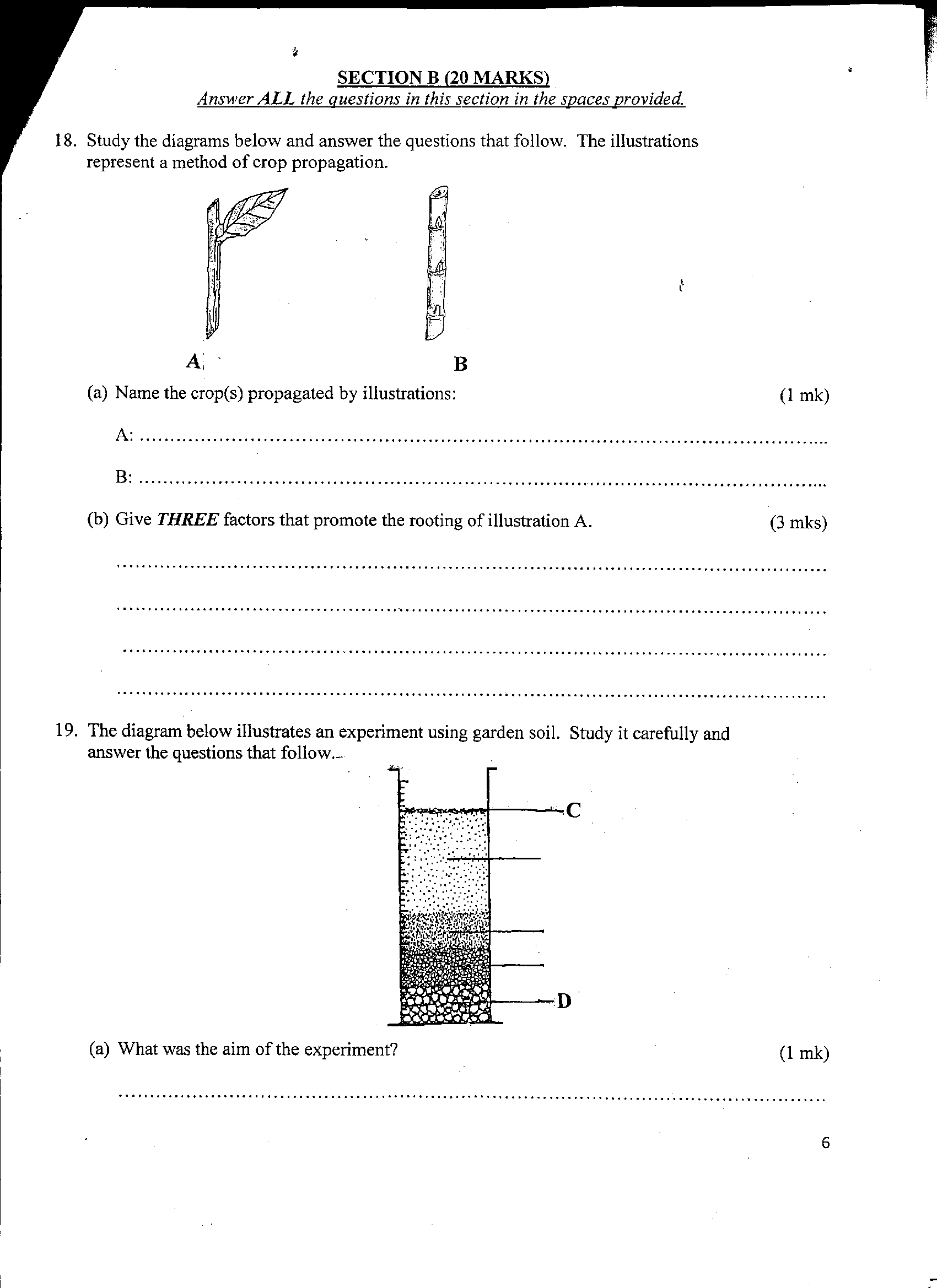
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***SECTION B. (20 MARKS)***

***Answer ALL questions in this section in the spaces provided***

18. Study the diagram below and answer the questions that follow. The illustrations represent

a method of crop propagation.



(a) Name the crops propagated by illustrations: (2mrks)

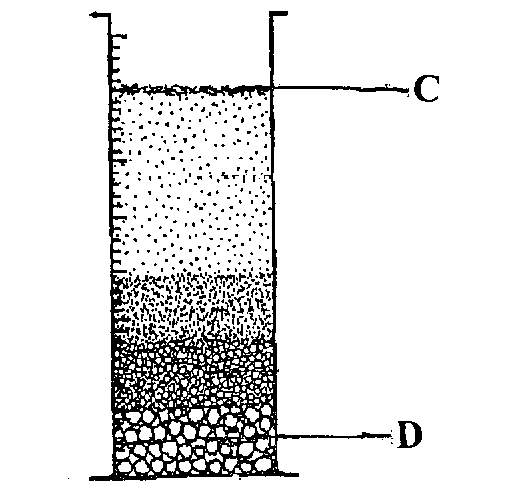
A.............................................................................................................

B...............................................................................................................

(b) Give three factors that promote the rooting of illustration A. (3mrks)

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19 The diagram below illustrates an experiment using garden soil. Study it carefully and answer the questions that follow.



(a) What was the aim of the experiment? (1mrk)

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(b) Name the parts labeled C and D. (2mrks)

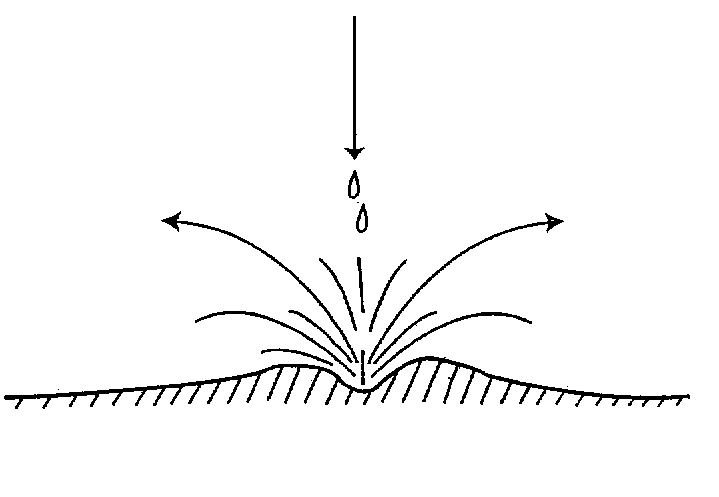
C..............................................................................................................................

D..............................................................................................................................

(c) Name the property of soil being investigated. (1mrk)

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20. The illustration below shows a type of soil erosion. Study it carefully and answer the questions that follow.



(a) Identify the type of erosion illustrated above. (1mrk)

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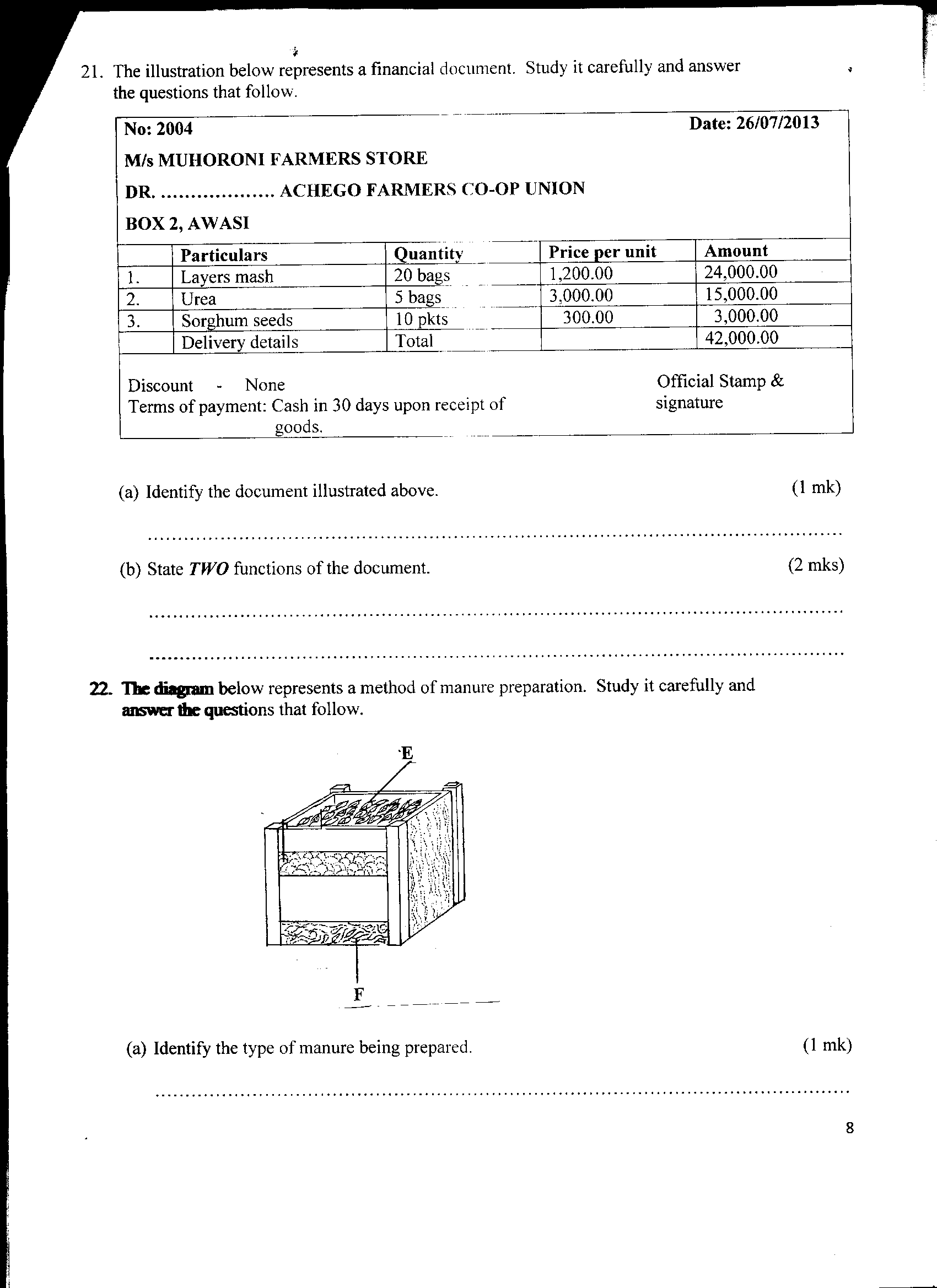
(b) Give two soil factors that influence the rate of soil erosion. (2mrks)

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(c) Name one agent of soil erosion. (1mrk)

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21. The diagram below represents a method of manure preparation. Study it carefully and answer the questions that follow.



(a) Identify the type of manure being prepared. (1mrk)

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(b) Name the parts labeled E and F. (2mrks)

E..............................................................................................................

F...............................................................................................................

(c) Give four disadvantages of manures. (4mrks)

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***SECTION C (40MARKS)***

***Answer any two questions from this section in the answer sheet provided***

22. (a) Describe land preparation for planting of grass seeds. (4mrks)

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(b) Explain the precautions that should be observed during the harvesting of pyrethrum (4mks)

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(c) Explain six benefits of land consolidation in Agricultural production. (12mrks)

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23. (a) Describe the field management practices that should be carried out on dry bean production. (10mrks)

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(b) Explain five factors that should be considered when deciding on the depth of planting a seed. (5mrks)

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(c) Describe the characteristics of a crop suitable for green manure. (5mrks)

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24. (a) Describe the procedure followed when collecting a soil sample from the field for testing in the laboratory (5mks)

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(b) Describe the benefits of using certified seeds in crop production. (5mrks)

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(c) Describe the safety precautions a farmer should take when using herbicides. (10mks)

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