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| NAME | INDEX |
| SCHOOL | DATE |

SOIL FERTILITY I (Organic Manure)

1. **1995**
How green manuring is carried out on a farm?
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2. **1995**
(a) Give four reasons why it is advantageous to use farm yard manure instead of straight fertilizer.
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(b) State four factors that determine the quality of farm yard manure.
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3. **1998**
State four ways by which plant nutrients may be lost from the soil.
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4. **1998**
Outline the various benefits of F. Y. M in the farm.
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5. **1999**

a) Define soil fertility

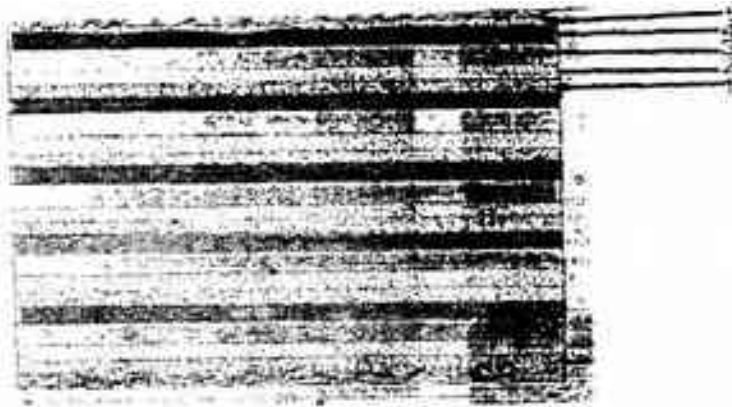
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b) List the major characteristics of a fertile soil.

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6. 1999

The diagram below is a presentation of a cross section through compost heap studies it and answer the questions which follow.



a) i) Name the parts labeled 1 –

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Give the importance of 5, 4, and 3
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b) Why is it advisable that

i) A long sharp pointed stick driven into the pile at an angle.

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ii) Compost pits be preferably alone in more drier area / weather.

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7. 1999
Give four ways by which soil loses its fertility

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8. 2000
State four characteristics that make a crop suitable for green manuring.

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9. 2002
State three factors that determine the quality of compost manure.

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10. 2003
State four characteristics of a fertile soil.

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11. 2003
Name three farming practices which may lead to soil erosion.

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12. 2005
State three factors which should be considered when sitting a compost heap.

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13. 2005
State three advantages of adding organic matter to sandy soil.

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14. 2006 Q4 P1
State four advantages of adding organic manure to a sandy soil (2 marks)

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15. 2009 Q9 P1
State four ways in which burning of vegetation may lead to loss of soil fertility. (2 marks)

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16. 2009 Q25
What is the function of each of the following ingredients in the preparation of compost manure?

(a) Wood ash (1 mark)

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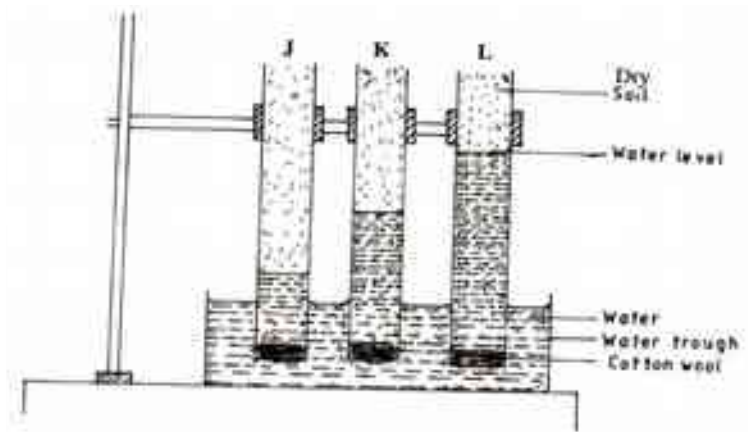
(b) Top soil (1 mark)

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17. 2011 Q10 P1
How does leaching lead to loss of fertility (1/2mark)

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18. 2012 Q22 P1
The diagram below illustrates an investigation on a property of soil samples **J, K** and **L**.



- (a) If the levels of water shown in the diagram were observed after three hours, name the property of soil being investigated. (1 mark)

- (b) What is the relationship between the soil property named in (a) above and the size of soil particles? (1 mark)

- (c) Which soil sample would be suitable for growing paddy rice? (1 mark)
