



Grade 07

Science

Unit : 15
Soil

Part II

Select most suitable answer and underline it.

1. A property of clay soil is,
 - i. Rich in soil organism.
 - ii. Retention of air high.
 - iii. Retention of air is less.
 - iv. None of the above.

2. The percentage of silt in sandy soil is,

i. 0 – 45 %	ii. 0 – 20 %
iii. 80 – 100 %	iv. 0 – 10 %

3. A function of soil organic materials is,
 - i. As a storage of nutrients needed for the growth of plants
 - ii. Prevents the cracks in soil during dry seasons
 - iii. Increase retention of water in soil
 - iv. All above

4. What is the type of soil most suitable for cultivation?

i. Clay soil	ii. Sandy soil
iii. Loamy soil	iv. Gravel soil

5. The lowest area seen in a soil profile is,

i. Top soil	ii. Sub soil
iii. Bed rock	iv. Earth crust

6. Soil used in tile industry is,
 - i. Loamy soil
 - ii. Sandy soil
 - iii. Clay soil
 - iv. Loamy and sandy soil

7. A component / components of soil is / are

i. Air	ii. Water
iii. Minerals	iv. All of the above

8. A use of sandy soil is,
 - i. To make bricks
 - ii. To make glass
 - iii. In building industry
 - iv. In jewelry industry

9. This is not a method that can be applied to minimize the soil erosion in a land with slopes.
- Use cover crops with weak rooted plant
 - Make stone ridges against the slope.
 - Cultivated according to the contour method
 - Use wind breakers

10. The following soil organism is



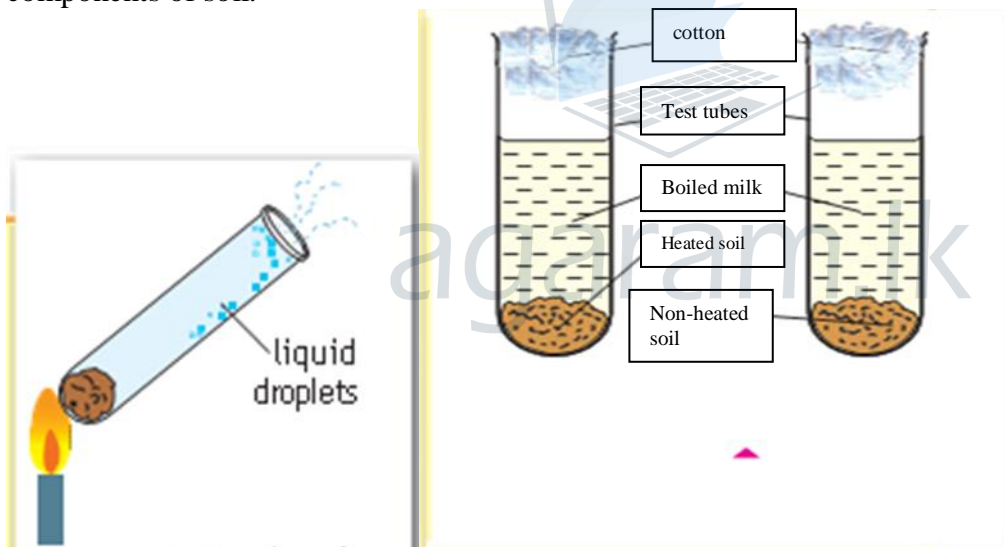
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|----------------|---------------|
| i. Ant | ii. Locust |
| iii. Centipede | iv. Millipede |

(10x2=20)

Part II

Answer all questions

1. A. These diagrams show two activities done by two groups of students to identify different components of soil.



A

B

- Students of group A observed droplets in upper area of test tube.
 - What is the chemical used to identify whether these droplets are water? (02)
 - If these droplets are water, what would be the color change? (02)
 - What is the conclusion if it gives the above observation? (01)

- ii. a. What is the expected observation of activity done by students of group B? (02)
- b. Which group of organism is responsible for this observation? (01)
- iii. Write an experiment that can be done to identify that a given soil sample contains soil air (02)

- B i. Name 2 examples for soil minerals. (02)
- ii Write a function of soil minerals (01)
- iii State 2 functions of soil air. (02)



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(15 marks)

- 02 i. What do you mean by soil erosion? (04)
- ii. Write an activity that you can do to find out how the covering of earth affects soil erosion. (07)
- iii. State two effect of removing top soil layer. (04)

(15 marks)