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Class: IV

Sub.tec: Naina paswan

Subject: SCIENCE

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BASED ON N.C.E.R.T PATTERN

I. **Multiple choice question , tick the correct option :**

ANSWERS: 1- C , 2 – A , 3 - D.

II. **FILL IN THE BLANKS:**

ANSWERS: 1. Upper , 2. Humus, 3.

III. **ANSWERS: There are three main layers in the soil.**

1. **Topsoil :** it is the outermost layer of soil is due to which the root of plant is there is really dark in colour due to the presence of humus is composed of the remains of that plants and animals.it makes soil rich and fertile for plant to grow.

2. **Sub soil :** this is the layer below the topsoil. it is light in colour , with more sand and a few stones . this soil may have been minerals for the plant . but it contain no humus. The root of some of trees reach the subsoil.

3. **Bed rock:** it is found below the sub soil. It is mainly made up of rocks. The upper rocks are soft and porous. Water can pass through porous rocks.

Ans : 2. Soil is formed by the weathering of Rocks by wind , floods etc.

Ans: 3. Nitrogen is highly nutritious and recommended for plant growth . it hence makes the soil very fertile. thus humus or the topmost layer of the soil is the most essential.

Ans: 4. Washing and carrying away of soil by natural forces and man made causes is known as soil Erosion.

Ans: 5. The soil erosion can be prevented by the following ways:

- 1. Afforestation. Planting new trees and plants is afforestation. ...**
- 2. Crop Rotation. ...**
- 3. Terrace Farming. ...**
- 4. Building Dams. ...**
- 5. Embankments. ...**

Ans: 6 . Plants slow down water as it flows over the land and this allows much of the rain to soak into the ground. Plant roots hold the soil in position and prevent it from being blown or washed away. Plants break the impact of a raindrop before it hits the soil, reducing the soil's ability to erode.

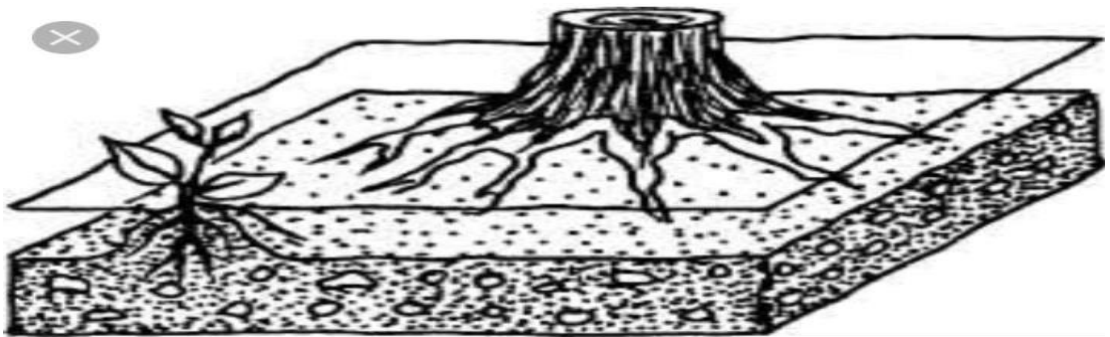
Ans: 7. Minerals are substances that are formed naturally in the Earth. Rocks are made of minerals. Minerals are

usually solid, inorganic, have a crystal structure, and form naturally by geological processes.

Ans: 8. Fertilizers are chemical substances supplied to the crops to increase their productivity. These are used by the farmers daily to increase the crop yield.

IV. DRAW THE FOLLOWING:

1. FIGURE TO SHOW SOIL EROSION.



II



2. FIGURE TO SHOW SOIL CONSERVATION :



REVISION WORK

1. Think and give 1 term of the following :

1. Green substance in the leaf.....
2. Gas needed to make food in green plants...
3. Gas released by Green plants during photosynthesis.....
4. food formed as a result of photosynthesis.....
5. small pores that help the leaf in exchange of gases.....

To be CONTINUE.....