

## Soil

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Question 1.

The rotten dead matter in the soil is called:

- (a) organic matter
- (b) sand
- (c) humus
- (d) silt

▼ [Answer](#)

(a) organic matter

Clay soil when felt with your hand, will be the smoothest.

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Question 2.

Soil is formed from the parent rock material by a very slow and gradual process called:

- (a) processing
- (b) weathering
- (c) breaking
- (d) cutting

▼ [Answer](#)

(b) weathering

The rotten dead matter in the soil is called sand.

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Question 3.

The uppermost layer of earth's crust, in which plants grow is:

- (a) soil
- (b) land
- (c) water
- (d) none of these

▼ [Answer](#)

(b) land

Soil is formed from the parent rock material by a gradual process called weathering.

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Question 4.

The uses of soil are:

- (a) soil gives crop
- (b) soil gives support to buildings
- (c) toys can be made from soil
- (d) all of these

▼ [Answer](#)

(a) soil gives crop

The uppermost layer of earth's crust, in which plants grow is soil.

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Question 5.

Soil is polluted by:

- (a) air
- (b) water
- (c) polythene bags
- (d) none of these

▼ [Answer](#)

(d) none of these

The uses of soil are they gives crop, support to buildings and to make toys.

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Question 6.

A vertical section through different layers of the soil is:

- (a) horizons
- (b) soil profile
- (c) both (a) and (b)
- (d) none of these

▼ [Answer](#)

(c) both (a) and (b)

Soil is polluted by polythene bags

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Question 7.

Different layers of the soil differs in feels colours, depth and chemical composition are:

- (a) horizons
- (b) soil profile
- (c) weathering
- (d) can't say

▼ [Answer](#)

(b) soil profile

A vertical section through different layers of soil is soil profile.

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Question 8.

What kind of soil should be used for making matkas and surahis ?

- (a) clayey soil
- (b) loamy soil
- (c) sandy soil
- (d) can't say

▼ [Answer](#)

(a) clayey soil

Different layers of soil differs in feel, colour, depth and chemical composition are horizons.

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Question 9.

The formula used to calculate the rate of percolation is:

- (a) percolation rate = amount of water (ml) percolation time (min)
- (b) percolation rate = amount of water X percolation time 1
- (c) percolation rate = amount of water X percolation time
- (d) none of these

▼ [Answer](#)

(a) percolation rate = amount of water (ml) percolation time (min)  
Clayey soil should be used for making matkas and surahis.

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Question 10.

Which type of soil will allow water to reach a well faster and in greater amount ?

- (a) clayey soil
- (b) sandy soil
- (c) loamy soil
- (d) none of these

▼ [Answer](#)

(a) clayey soil  
Percolation rate = amount of water (ml) percolation time (min) Sandy soil allow water to reach a well faster and is greater amount.

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Question 11.

Which type of soil retains the highest amount of water ?

- (a) clayey soil
- (b) sandy soil
- (c) loamy soil
- (d) none of these

▼ [Answer](#)

(b) sandy soil  
Clayey soil retains the highest amount of water.

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Question 12.

Which type of soil retains the least amount of water ?

- (a) sandy soil
- (b) loamy soil
- (c) clayey soil
- (d) none of these

▼ [Answer](#)

(a) sandy soil  
Sandy soil retains the least amount of water.

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Question 13.

Rain water can be percolated by making:

- (a) big holes
- (b) small holes
- (c) tanks
- (d) wells

▼ [Answer](#)

- (a) big holes

Rain water can be percolated by making small holes.

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Question 14.

Wind, rainfall, temperature, light and humidity affect the:

- (a) soil
- (b) water
- (c) air
- (d) mountains

▼ [Answer](#)

- (b) water

Wind, rainfall, temperature, light and humidity affect soil.

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Question 15.

Loamy soil is most suitable for planting:

- (a) rice crop
- (b) pulses crop
- (c) cotton crop
- (d) all of these

▼ [Answer](#)

- (a) rice crop

Loamy soil is most suitable for planting rice crop.

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Question 16.

The removal of land surface by water, wind or ice is known as:

- (a) soil erosion
- (b) horizons
- (c) humus
- (d) rocks

▼ [Answer](#)

- (a) soil erosion

The removal of land surface by water, wind or ice is known as soil erosion.

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Question 17.

The hard layer of rocks below the C horizon is called:

- (a) bottom rock
- (b) substratum
- (c) bed rock
- (d) gravel

▼ [Answer](#)

- (a) bottom rock

The hard layer of rocks below the C-horizon is called gravel.

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Question 18.

Soil carried from else where and deposits them in the:

- (a) substratum
- (b) B horizon
- (c) C horizon
- (d) transported soil

▼ [Answer](#)

- (d) transported soil

Soil carried from else where and deposits them in the transported soil.

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Question 19.

Rain water washes off minerals and deposits them in the:

- (a) substratum
- (b) B horizon
- (c) C horizon
- (d) R horizon

▼ [Answer](#)

- (d) R horizon

Rainwater washes off minerals and deposits them in the B-horizon.

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Question 20.

Which soil is found in the fertile plains of Punjab and Uttar Pradesh ?

- (a) red Soil
- (b) black soil
- (c) alluvial soil
- (d) lateritic soil

▼ [Answer](#)

- (b) black soil

Alluvial soil is found in fertile plains of Punjab and Uttar Pradesh.

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Question 21.

The colour of red soil is due to presence of:

- (a) minerals
- (b) iron oxide

- (c) vitamins
- (d) none of these

▼ [Answer](#)

(c) vitamins  
The colour of red soil is due to presence of iron oxide.

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Question 22.  
Bacteria, fungi, algael and tiny organisms called:  
(a) humus  
(b) protozoans  
(c) biota  
(d) all of these

▼ [Answer](#)

(b) protozoans  
Bacteria, fungi, algael and tiny organisms called protozoans.

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Question 23.  
The best kind of soil for plant growth is:  
(a) loamy soil  
(b) clayey soil  
(c) sandy soil  
(d) all of these

▼ [Answer](#)

(a) loamy soil  
The best kind of soil is loamy soil.

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Question 24.  
To improve the capacity to hold water ..... is added to the soil:  
(a) rocks  
(b) humus  
(c) gravel  
(d) sand

▼ [Answer](#)

(b) humus  
Humus improve the capacity to hold water.

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Question 25.  
Breaking down of rock to form soil is caused by:  
(a) water  
(b) air  
(c) temperature  
(d) all of these

▼ [Answer](#)

(d) all of these  
All of these is caused by breaking down of rock.

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Question 26.

Cause of soil erosion is:

- (a) less rainfall
- (b) excess of vegetation
- (c) lack of vegetation
- (d) plenty of rocks

▼ [Answer](#)

(c) lack of vegetation  
Cause of soil erosion is lack of vegetation.

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Question 27.

Humus is present in:

- (a) bad rock
- (b) gravel
- (c) topsoil
- (d) subsoil

▼ [Answer](#)

(c) topsoil  
Humus is present in top soil.

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Question 28.

Humus is made up of:

- (a) inorganic matter
- (b) loose soil
- (b) sub soil
- (c) gravel
- (d) bad rock

▼ [Answer](#)

(c) gravel  
Humus is made up of decayed plants and animals.

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Question 29.

Fertility of soil is increased by the presence of:

- (a) bacteria
- (b) fungi
- (c) insects
- (d) all of these

▼ [Answer](#)

(a) bacteria

The layer of soil where plants growth takes place is top soil.

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Question 30.

aerates the soil and allows the air to reach the roots of plants:

(a) earthworm

(b) bacteria

(c) fungi

(d) virus

▼ [Answer](#)

(d) virus

Fertility of soil is increased by presence of all bacteria, fungi and insects.

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Question 31.

For growing pulses the soil required is:

(a) sandy

(b) clayey

(c) loamy

(d) all of these

▼ [Answer](#)

(a) sandy

Earthworm aerates the soil and allows the air to reach the roots of plants.

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Question 32.

In addition to the rock particles, the soil contains:

(a) air and water

(b) water and minerals

(c) minerals, organic matter, air and water

(d) water, air and plants

▼ [Answer](#)

(c) minerals, organic matter, air and water

For growing the pulses the soil required is loamy.

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Question 33.

The water holding capacity is the highest in:

(a) clayey soil

(b) sandy soil

(c) loamy soil

(d) mixture of sand and loam

▼ [Answer](#)

(c) loamy soil

In addition to the rock particles, the soil contains minerals, organic matter, air and water.

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Question 34.

The smallest particles of rock form the:

- (a) A-horizon
- (b) B-horizon
- (c) C-horizon
- (d) D-horizon

▼ [Answer](#)

- (a) A-horizon

The water holding capacity is the highest in clayey soil.

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Question 35.

Which of these has the smallest size of particles:

- (a) sand
- (b) clay
- (c) silt
- (d) gravel

▼ [Answer](#)

- (a) sand

The smallest particles of rock form the A-horizon.

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Question 36.

What kind of soil is best for growing cotton ?

- (a) sandy
- (b) clayey
- (c) loamy
- (d) loamy-sandy

▼ [Answer](#)

- (b) clayey

Clay has the smallest size of particles.

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Question 37.

Humus and the smallest particles of rock form the upper layer of soil called:

- (a) parent rock
- (b) sub soil
- (c) top soil
- (d) none of these

▼ [Answer](#)

- (d) none of these

Loamy and sandy soil is best for growing cotton.

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Question 38.

Which layer of the soil has most nutrients for plants ?

- (a) top soil
- (b) subsoil
- (c) parent soil
- (d) bad rock

▼ [Answer](#)

(c) parent soil

Humus and the smallest particles of rock form the upper layer of soil is called top soil.

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Question 39.

Which soil has the right water holding capacity for plant growth:

- (a) clayey soil
- (b) sandy soil
- (c) loamy soil
- (d) same for all

▼ [Answer](#)

(a) clayey soil

Top soil has most nutrients for plants.

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Question 40.

Which soil when felt with your hand will be the smoothest:

- (a) clay
- (b) silt
- (c) sand
- (d) loam

▼ [Answer](#)

(c) sand

Loamy soil has the right water holding capacity for plant growth.

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[Match the items in column A with column B:](#)

Question 1.

| Column- A                                             | Column- B                |
|-------------------------------------------------------|--------------------------|
| (a) Garden soil                                       | (i) Brown in colour      |
| (b) Soil from the road side                           | (ii) Sandy               |
| (c) Soil from the area where construction is going on | (iii) Blackish in colour |

▼ [Answer](#)

| Column- A                   | Column- B                |
|-----------------------------|--------------------------|
| (a) Garden soil             | (iii) Blackish in colour |
| (b) Soil from the road side | (i) Brown in colour      |

(c) Soil from the area where construction is going on (ii) Sandy

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Question 2.

| Column- A                       | Column- B                              |
|---------------------------------|----------------------------------------|
| (a) A home for living organisms | (i) Large particles                    |
| (b) Upper layer of the soil     | (ii) All kinds of soil                 |
| (c) Sandy soil                  | (iii) Small particles and packed tight |
| (d) Middle layer of the soil    | (iv) Dark in colour                    |
| (e) Clayey soil                 | (v) Lesser amount of humus             |

▼ Answer

| Column- A                       | Column- B                              |
|---------------------------------|----------------------------------------|
| (a) A home for living organisms | (ii) All kinds of soil                 |
| (b) Upper layer of the soil     | (iv) Dark in colour                    |
| (c) Sandy soil                  | (i) Large particles                    |
| (d) Middle layer of the soil    | (v) Lesser amount of humus             |
| (e) Clayey soil                 | (iii) Small particles and packed tight |

State the following statements are True or False:

Question 1.

The best kind of soil for plant growth is sandy soil.

▼ Answer

False

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Question 2.

To improve the capacity to hold water humus is added to soil.

▼ Answer

True

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Question 3.

Breaking down of rocks to form soil is caused by coal.

▼ Answer

False

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Question 4.

Lack of vegetation is cause of soil erosion.

▼ Answer

True

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Question 5.

Humus is made of inorganic matter.

▼ [Answer](#)

False

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Question 6.

Humus is present in top soil.

▼ [Answer](#)

True

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Question 7.

The layer of soil where plant growth takes place is top soil.

▼ [Answer](#)

True

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Question 8.

Fertility of soil is increased by the presence of fungi, insects and bacteria.

▼ [Answer](#)

True

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Question 9.

Virus aerates the soil and allows the air to reach the roots of plants.

▼ [Answer](#)

False

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Question 10.

Clayey soil is required for growing pulses.

▼ [Answer](#)

False

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Question 11.

The removal of land surface by water wind as ice is soil erosion.

▼ [Answer](#)

True

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Question 12.

Loamy soil is most suitable for planting rice crop.

▼ [Answer](#)

True

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Question 13.

Polythene bags and plastics pollute the soil.

▼ [Answer](#)

True

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Question 14.

In the presence of plants, soil become loose.

▼ [Answer](#)

False

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Question 15.

The upper most horizon is generally light in colour as it is rich in humus.

▼ [Answer](#)

False

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Question 16.

Clayey soil is used to make pots, toys and statues.

▼ [Answer](#)

True

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[Fill in the blanks:](#)

Question 1.

..... is the mixture of rock particles and humus.

▼ [Answer](#)

soil

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Question 2.

..... is the rotting dead matter in the soil.

▼ [Answer](#)

humus

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Question 3.

..... is breaking down of use pieces of rock into smaller pieces.

▼ [Answer](#)

weathering

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Question 4.

..... is formed by humus and the smallest particles of rock.

▼ [Answer](#)

top soil

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Question 5.

..... contains the smallest particles and feels very smooth.

▼ [Answer](#)

clay

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Question 6.

In addition to the rock particles, top soil also has small stones called .....

▼ [Answer](#)

Answer: (a)

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gravel

Question 7.

..... has a lot of sand and a little silt and clay.

▼ [Answer](#)

sandy soil

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Question 8.

..... is below the top soil and it contains mostly rock bits and some nutrients.

▼ [Answer](#)

B-horizon

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Question 9.

..... has the largest size particles can easily be seen.

▼ [Answer](#)

sand

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Question 10.

..... is our most important natural resources.

▼ [Answer](#)

soil

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Question 11.

..... is a mixture of sand, silt and clay and also humus in it.

▼ [Answer](#)

loam

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Question 12.

..... soils rich in clay and organic matter.

▼ [Answer](#)

paddy

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