



**KINETICS**

We Nurture The Future

IIT-JEE | Medical | Foundations

## 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.

---

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

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

Question 2.

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

▼ Answer

True

Question 3.

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

▼ Answer

False

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

---

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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