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Q :) Match List-I (Type of soil) with List-II (Mode of transportation and deposition) and select the correct answer using the codes given below the lists:

List-I	List-II
A. Lacustrine soils	1. Transported by wind
B. Alluvial soils	2. Transported by running water
C. Aeolian soils	3. Deposited at the bottom of lakes
D. Marine soils	4. Deposites in sea water

Codes:

A : A: A-1, B-2, C-3, D-4

B : B: A-3, B-2, C-1, D-4

C : C: A-3, B-2, C-4, D-1

D : D: A-1, B-3, C-2, D-4

Q :) Consider the following statements in the context of Aeolian soils.

- 1. The soil has low density and low compressibility**
- 2. The soil is deposited by wind.**
- 3. The soil has large permeability.**

Of these statements

A : 1, 2 and 3 are correct

B : 2 and 3 are correct

C : 1 and 3 are correct

D : 1 and 2 are correct

Q :) The collapsible soil is associated with

A : Dune sands

B : Laterite soils

C : Loess

D : Black cotton soils

Q :) Consider the following statements:

1. Peat and muck are organic soils.

2. Peat is an inorganic soil whereas: muck is an organic soil.

3. Indurated clay is a type of clay which does not soften under prolonged wetting.

Which of the above statements is/are correct?

A : 1, 2 and 3

B : 2 only

C : 3 only

D : 1 and 3 only

Q :) Talus is transported by _____

A : Water

B : Gravitational force

C : Glacier

D : Wind

Q :) What does bentonite contain predominantly?

A : Montmorillonite

B : Kaolinite

C : Illite

D : None of these

Q :) The swelling nature of black cotton soil is primarily due to the presence of

A : Montmorillonite

B : Kaolinite

C : Illite

D : Vermiculite

Q :) Which of the following shows the CORRECT order of increasing surface areas of the given soil?

A : Clay < silt < sand < colloids

B : Gravel < silt < colloids < clay

C : Sand < silt < clat < colliods

D : Silt < gravel < colloids < Clay

Q :) The term soil mechanics was coined by

A : Rankine

B : Newton

C : Terzaghi

D : Newmark



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