

Banaras Hindu University

Question Paper Name: 702 15th May 2019 Shift 2
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MSc Ag Soil Science – Soil and Water Conservation

Group Number : 1
Group Id : 54310739
Group Maximum Duration : 0
Group Minimum Duration : 120
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Revisit allowed for edit? : No
Break time: 0
Group Marks: 360

MSc Ag Soil Science – Soil and Water Conservation

Section Id : 54310739
Section Number : 1
Section type : Online
Mandatory or Optional: Mandatory
Number of Questions: 120
Number of Questions to be attempted: 120
Section Marks: 360
Display Number Panel: Yes
Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 54310739
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 5431073931 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following soils have lowest bulk density ?

Options :

1. Silt loam

2. Silty clay
3. Loamy sand
4. Sandy loam

Question Number : 2 Question Id : 5431073932 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The ratio of volume of pores to the total volume of soil solid is known as :

Options :

1. Dry bulk density
2. Porosity
3. Capillary porosity
4. Void ratio

Question Number : 3 Question Id : 5431073933 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The study of formation of soil body, its horizon characteristics and features is called.

Options :

1. Soil Pedology
2. Soil mineralogy
3. Soil morphology
4. Soil physics

Question Number : 4 Question Id : 5431073934 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which one of the following is active factors of soil formation ?

Options :

1. Climate
2. Parent material
3. Relief
4. Time

Question Number : 5 Question Id : 5431073935 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The materials transported by the action of gravity and settled near the base of slopes are called :

Options :

1. Alluvium
2. Colluvium
3. Aeolian sand
4. Lacustrine deposit

Question Number : 6 Question Id : 5431073936 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Mycorrhizae is symbiotic association between :

Options :

1. Bacteria and plant roots
2. Fungi and bacteria
3. Two species of fungi
4. Fungi and roots of higher plants

Question Number : 7 Question Id : 5431073937 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 9
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which soil order derived from volcanic eruption and dominated by allophane and Al-humic complexes ?

Options :

1. Histosols
2. Alfisols
3. Ultisols
4. Andisols

Question Number : 8 Question Id : 5431073938 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The soil erosion caused by beating action of rainfall impact for detachment and scattering of soil particle is known as :

Options :

1. Sheet erosion
2. Rill erosion
3. Splash erosion
4. Gully erosion

Question Number : 9 Question Id : 5431073939 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The flux of a nutrient across a plane is proportional to the concentration gradient are stated in the equation of :

Options :

1. Stokes law
2. Fick's law
3. Darcy's law
4. Liebig law

Question Number : 10 Question Id : 5431073940 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Who is the author of the book "Soil condition and plant growth" ?

Options :

1. N. C. Brady
2. C. A. Black
3. E. Russel
4. C. E. Marshall

Question Number : 11 Question Id : 5431073941 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Conversion factor for the determination of organic matter from the organic carbon content in soil.

Options :

1. 1.72
2. 1.52
3. 1.62
4. 1.82

Question Number : 12 Question Id : 5431073942 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following does *not* belong to salt affected soil ?

Options :

1. Calciorthisds
2. Natraqualfs
3. Haplustalfs
4. Natrargids

Question Number : 13 Question Id : 5431073943 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The presence of water molecules along with magnesium ions in interlayer space are found in the clay minerals of :

Options :

1. Montmorillonite
2. Illite
3. Chlorite
4. Vermiculite

Question Number : 14 Question Id : 5431073944 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The equation, $\frac{x}{m} = kc^n$ is known as :

Options :

1. Langmuir's equation
2. Gapon's equation
3. Freundlich equation
4. Beer's equation

Question Number : 15 Question Id : 5431073945 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Soils characterized by low pH, CEC and silica/sesquioxides ratio, dominated by kaolinitic minerals are designated as :

Options :

1. Desert soil
2. Lateritic soil
3. Terai soil

4. Alluvial soil

Question Number : 16 Question Id : 5431073946 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which classes of land under land capability classification represent land unsuitable for cultivation ?

Options :

1. Classes V to VIII
2. Classes III to VII
3. Classes I to VIII
4. Class VIII only

Question Number : 17 Question Id : 5431073947 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The dominant type of soil movement in the process of wind erosion, like bouncing or jumping of soil particle of 0.05 to 0.50 mm in diameter is called :

Options :

1. Suspension
2. Surface creeping
3. Saltation
4. Splashing

Question Number : 18 Question Id : 5431073948 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The smallest volume of soil that can be recognized as a soil individual is called :

Options :

1. Soil series
2. Pedon

3. Taxon

4. Soil profile

Question Number : 19 Question Id : 5431073949 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which is *not* the diagnostic soil moisture regimes ?

Options :

1. Udic

2. Ustic

3. Xeric

4. Mesic

Question Number : 20 Question Id : 5431073950 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

When the mean annual soil temperature lies in the ranges between 15-22°C and the difference between mean summer and mean winter soil temperature is less than 5°C, then the soil temperature regimes are designated as ?

Options :

1. Hypothemic

2. Thermic

3. Isohypothermic

4. Isothermic

Question Number : 21 Question Id : 5431073951 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Epipedon having thick, dark coloured humus rich mineral surface horizon and base saturation more than 50%, is called :

Options :

1. Histic
2. Mollic
3. Anthropic
4. Umbric

Question Number : 22 Question Id : 5431073952 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Formation of mottles and concretions of iron and manganese under anaerobic condition is known as :

Options :

1. Pedoturbation
2. Argillation
3. Gleization
4. Horizonation

Question Number : 23 Question Id : 5431073953 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Who proposed the hydrometer method of mechanical analysis ?

Options :

1. Stokes
2. Van Bavel
3. Robinson
4. Buoyoucos

Question Number : 24 Question Id : 5431073954 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The concept of critical soil test level was given by :

Options :

1. Cate and Nelson
2. Bray
3. Liebig
4. Mitscherlich

Question Number : 25 Question Id : 5431073955 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which hue is *not* considered in the Munsell colour charts ?

Options :

1. Orange
2. Red
3. Yellow-red
4. Yellow

Question Number : 26 Question Id : 5431073956 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

What is the pF value at permanent wilting point ?

Options :

1. 3.0
2. 4.0
3. 4.2
4. 4.5

Question Number : 27 Question Id : 5431073957 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Lime requirement becomes highest in the soils having the texture of :

Options :

1. Clay
2. Clay loam
3. Sandy loam
4. Loamy sand

Question Number : 28 Question Id : 5431073958 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The soil having pH 8.5, EC greater than 4 dSm^{-1} , ESP more than 15 is called :

Options :

1. Saline soil
2. Non saline alkali soil
3. Saline alkali soil
4. Degraded alkali soil

Question Number : 29 Question Id : 5431073959 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which one is the essential pre-requisite for soil aggregation ?

Options :

1. Coagulation
2. Flocculation
3. Dispersion
4. Adsorption

Question Number : 30 Question Id : 5431073960 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The microorganism involved in the denitrification process is :

Options :

1. Nitrosomonas
2. Pseudomonas
3. Nitrobactor
4. Azotobactor

Question Number : 31 Question Id : 5431073961 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

'Ink-bottle' effect is attributed for :

Options :

1. Hydraulic potential
2. Permeability
3. Hysterisis
4. Infiltration

Question Number : 32 Question Id : 5431073962 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Stoke's Law suggests that the rate of fall of particle is directly proportional to the :

Options :

1. Density of the particle
2. Radius of the particle
3. Viscosity of the medium
4. Volume of the suspension

Question Number : 33 Question Id : 5431073963 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The process of destruction of soil aggregates and macropores to reduce percolation water loss is known as :

Options :

1. Puddling
2. Crusting
3. Crushing
4. Compacting

Question Number : 34 Question Id : 5431073964 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In universal soil loss equation of $A = RKLSCP$, the factor 'C' is denoted by :

Options :

1. Rainfall erosivity factor
2. Soil erodibility factor
3. Conservation practices factor
4. Cropping management factor

Question Number : 35 Question Id : 5431073965 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Highest erodibility factor occurs in the soil texture of :

Options :

1. Sand
2. Sandy loam
3. Silt
4. Sandy clay

Question Number : 36 Question Id : 5431073966 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The practice of growing erosion resisting and erosion permitting crops on alternate strips along the contour or across the slope is known as :

Options :

1. Mixed cropping
2. Contour strip cropping
3. Contour farming
4. Multiple cropping

Question Number : 37 Question Id : 5431073967 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The ammonifiers and nitrifiers are active at pH :

Options :

1. 6.5 - 7.5
2. 6.0 - 6.5
3. 6.5 - 7.0
4. 5.5 - 6.0

Question Number : 38 Question Id : 5431073968 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Availability of Fe, Zn and Cu are measured by extraction of the soil with :

Options :

1. NH_4OAC
2. NaHCO_3
3. DTPA
4. K_2CO_3

Question Number : 39 Question Id : 5431073969 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which is *not* involved as mechanism of nutrient uptake ?

Options :

1. Mass flow
2. Osmosis
3. Diffusion
4. Roof interception

Question Number : 40 Question Id : 5431073970 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Swelling and shrinkage property of soil is measured by :

Options :

1. Mean weight diameter
2. Geometric mean diameter
3. Structural coefficient
4. Coefficient of linear extensibility

Question Number : 41 Question Id : 5431073971 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Highest fixation of NH_4^+ and K^+ occur in the clay minerals :

Options :

1. Montmorillonite
2. Illite
3. Chlorites
4. Vermiculites

Question Number : 42 Question Id : 5431073972 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which one is used to study the runoff and soil loss under Laboratory Condition ?

Options :

1. Piezometer
2. Rainfall Simulator
3. Permeameter
4. Infiltrometer

Question Number : 43 Question Id : 5431073973 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Saline and alkali soils are also called :

Options :

1. Halomorphic soil
2. Hydromorphic soil
3. Calcimorphic soil
4. Chernozem

Question Number : 44 Question Id : 5431073974 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

At a given soil moisture tension which soil have more soil water content :

Options :

1. Sandy
2. Loam
3. Silt loam
4. Clay

Question Number : 45 Question Id : 5431073975 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The principle underlying control of wind erosion is :

Options :

1. To reduce the speed and volume of runoff
2. To protect the soil from the rainfall impact
3. To reduce the slope of land surface
4. To reduce the wind velocity

Question Number : 46 Question Id : 5431073976 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

"Introductory Pedology : Soil genesis, survey and classification" has been written by :

Options :

1. S. P. Roychoudhury
2. J. L. Seghal
3. H. Jenny
4. S. W. Buol

Question Number : 47 Question Id : 5431073977 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The unique properties of extreme weathering are found in the soil order of :

Options :

1. Mollisols
2. Inceptisols
3. Oxisols

4. Histosols

Question Number : 48 Question Id : 5431073978 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which indicator is used for the determination of organic carbon content in soil ?

Options :

1. Mettlyl orange
2. Methyl red
3. Phenolphthalein
4. Diphenylamine

Question Number : 49 Question Id : 5431073979 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The heat flow in soil through conduction is described by :

Options :

1. Fick's law
2. Fourier's law
3. Darcy's law
4. Bragg's law

Question Number : 50 Question Id : 5431073980 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Single-auger hole method is used to measure which of the following :

Options :

1. Soil moisture tension
2. Soil moisture content

3. Infiltration rate in soil
4. Hydraulic conductivity in soil

Question Number : 51 Question Id : 5431073981 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
 No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The main centre of National Bureau of Soil Survey & Land Use Planning is situated in :

Options :

1. New Delhi
2. Nagpur
3. Bhopal
4. Bangalore

Question Number : 52 Question Id : 5431073982 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
 No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Base saturation of soil is equal to :

Options :

1. $\frac{CEC}{\text{Exchangeable bases}} \times 100$
2. $\frac{CEC}{\text{Total bases}} \times 100$
3. $\frac{\text{Total bases}}{CEC} \times 100$
4. $\frac{\text{Exchangeable bases}}{CEC} \times 100$

Question Number : 53 Question Id : 5431073983 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
 Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
 No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Sodium adsorption ratio (SAR) is expressed as :

Options :

1. $\frac{[Na]}{CEC}$

2. $\frac{[Na]}{\frac{\sqrt{[Ca] + [Mg]}}{2}}$

3. $\frac{CEC}{[Na]}$

4. $\frac{\sqrt{[Ca] + [Mg]}}{[Na]}$

Question Number : 54 Question Id : 5431073984 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Central Soil Salinity Research Institute (CSSRI) is situated in :

Options :

1. New Delhi
2. Bhubaneswar
3. Karnal
4. Bhopal

Question Number : 55 Question Id : 5431073985 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which class of land in land capability classification is suitable for wildlife and watershed ?

Options :

1. Class I
2. Class VIII
3. Class VII
4. Class IV

Question Number : 56 Question Id : 5431073986 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The equation $pH - \frac{1}{2} p(Ca + Mg) = \text{constant}$, is called as :

Options :

1. Pressure potential
2. Phosphate potential
3. Potassium potential
4. Lime potential

Question Number : 57 Question Id : 5431073987 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

What is the SI unit of cation exchange capacity ?

Options :

1. meq/100 g
2. mg/kg
3. cmol (p⁺)/kg
4. mmhos/100 g

Question Number : 58 Question Id : 5431073988 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Thermal conductivity in soil follows the order of :

Options :

1. sand > loam > clay > peat
2. peat > sand > loam > clay
3. peat > clay > loam > sand
4. clay > loam > sand > peat

Question Number : 59 Question Id : 5431073989 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The exchangeable sodium percentage (ESP) is expressed as :

Options :

1.
$$ESP = \frac{\text{Exchangeable Na}}{\sqrt{\text{Exchangeable (Ca + Mg)}}} \times 100$$

2.
$$ESP = \frac{\sqrt{\text{Exchangeable (Ca + Mg)}}}{\text{Exchangeable Na}} \times 100$$

3.
$$ESP = \frac{\text{Exchangeable Na}}{\text{CEC}} \times 100$$

4.
$$ESP = \frac{\text{CEC}}{\text{Exchangeable Na}} \times 100$$

Question Number : 60 Question Id : 5431073990 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Aggregate size distribution of soil is done by using :

Options :

1. Hydrometer

2. Core sampler

3. Yoder aparatus

4. Pressure plate aparatus

Question Number : 61 Question Id : 5431073991 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The epipedon formed by contineuous manuring :

Options :

1. Ochric

2. Umbric

3. Histic

4. Plaggen

Question Number : 62 Question Id : 5431073992 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The laws governing the structural characteristics of the phyllosilicates are known as :

Options :

1. Liebig's law

2. Goldschmidt's law

3. Spellman's law

4. Pascal's law

Question Number : 63 Question Id : 5431073993 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The most abundant primary minerals in soils are :

Options :

1. Pyroxenes and amphiboles

2. Olivines

3. Quartz

4. Mica

Question Number : 64 Question Id : 5431073994 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Pseudomonas bacteria is known as :

Options :

1. Symbiotic N fixers

2. Non symbiotic N fixers
3. Non nitrogen fixers
4. Phosphorus solubilisers

Question Number : 65 Question Id : 5431073995 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Attraction of similar kinds of particles is known as :

Options :

1. Surface tension
2. Adhesion
3. Cohesion
4. Van der Wall's force

Question Number : 66 Question Id : 5431073996 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Flame Photometer are used for the determination of :

Options :

1. Nitrogen
2. Phosphorus
3. Potassium
4. Sulfur

Question Number : 67 Question Id : 5431073997 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Nitrification inhibitors are used for the purpose of :

Options :

1. Reducing the rate of conversion of ammoniacal nitrogen to nitrate form
2. Favouring the rate of conversion from nitrate to ammonical form
3. Reducing loss of N through leaching
4. Favouring ammonification

Question Number : 68 Question Id : 5431073998 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Wind erosion is highest in which state of India ?

Options :

1. Kerala
2. Madhya Pradesh
3. Jharkhand
4. Rajasthan

Question Number : 69 Question Id : 5431073999 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which is most suitable measure for erosion control under steep slopes ?

Options :

1. Contour bunding
2. Graded bunding
3. Bench terracing
4. Retention terracing

Question Number : 70 Question Id : 5431074000 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Splash erosion is related to :

Options :

1. Rainfall intensity
2. Sheet flow
3. Wind velocity
4. Slope steepness

Question Number : 71 Question Id : 5431074001 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Rill erosion takes place after :

Options :

1. Splash erosion
2. Sheet erosion
3. Gully erosion
4. Natural erosion

Question Number : 72 Question Id : 5431074002 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The V-shaped gullies are very common in :

Options :

1. Hilly areas
2. Desert region
3. Level lands
4. Coastal region

Question Number : 73 Question Id : 5431074003 Question Type : MCQ Option Shuffling : Yes Display Question
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 9
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In erosion process, rainfall intensity affect more to :

Options :

1. Soil detachment
2. Soil transportation
3. Soil deposition
4. Surface creep

Question Number : 74 Question Id : 5431074004 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

If the radius of raindrop is doubled, then kinetic energy gets increased by :

Options :

1. 24 times
2. 08 times
3. 16 times
4. 02 times

Question Number : 75 Question Id : 5431074005 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The term 'Groyne' is associated to :

Options :

1. Coastal protection
2. Ravine protection
3. Stream bank erosion
4. Environment protection

Question Number : 76 Question Id : 5431074006 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The kinetic energy of falling raindrop depends on :

Options :

1. Mass
2. Velocity
3. Depth
4. Both Mass and Velocity

Question Number : 77 Question Id : 5431074007 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Gabion is constructed by using :

Options :

1. Vegetative materials
2. Wire net + Stone
3. Rocks
4. Sandy soil

Question Number : 78 Question Id : 5431074008 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Soil erosion is the function of :

Options :

1. Erodibility
2. Erosivity and erodibility
3. Erosivity
4. Climatic factor

Question Number : 79 Question Id : 5431074009 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Graphical representation of relationship between rainfall intensity and time is called :

Options :

1. Hyetograph
2. Mass curve
3. ERH
4. UGH

Question Number : 80 Question Id : 5431074010 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following terms is related to water harvesting system ?

Options :

1. Warabandi
2. Bharao
3. Khadin
4. Shejpali

Question Number : 81 Question Id : 5431074011 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

A = RKLSCP equation is given by :

Options :

1. Clark
2. Ramser
3. Wischmeier and Smith
4. Williams

Question Number : 82 Question Id : 5431074012 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

On land use map the agricultural land is shown by which of the following colour ?

Options :

1. Dark green
2. Red
3. Yellow
4. Orange

Question Number : 83 Question Id : 5431074013 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The *Kharia* disease of rice is caused by :

Options :

1. Excess of organic matter
2. Toxicity of zinc
3. Deficiency of sulphur
4. Deficiency of zinc

Question Number : 84 Question Id : 5431074014 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In remote sensing the sensors are used to detect :

Options :

1. Sound energy
2. Electromagnetic radiation
3. Visible light
4. Infrared rays

Question Number : 85 Question Id : 5431074015 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Major plant available water in soil is :

Options :

1. Capillary water
2. Gravitational water
3. Hygroscopic water
4. Inter space water

Question Number : 86 Question Id : 5431074016 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

pH meter works on the principle of :

Options :

1. Amperometry
2. Densitometry
3. Turbidometry
4. Potentiometry

Question Number : 87 Question Id : 5431074017 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Plant available water in soil is held between potential of :

Options :

1. 0 to -20 bar
2. -1 to -15 bar
3. -1/3 to -15 bar
4. -1/2 to -20 bar

Question Number : 88 Question Id : 5431074018 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Relative proportion of sand, silt and clay in soil is called :

Options :

1. Soil structure
2. Soil profile
3. Soil texture
4. Soil horizon

Question Number : 89 Question Id : 5431074019 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Highest organic matter in soils present in :

Options :

1. A horizon
2. B horizon
3. C horizon
4. Parent material

Question Number : 90 Question Id : 5431074020 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Molybdenum is a component of :

Options :

1. Chlorophyll
2. Cell wall
3. Nitrogenase enzyme
4. Tonoplast

Question Number : 91 Question Id : 5431074021 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Class-VIII land may be represented by the colour :

Options :

1. Green
2. Blue
3. Dark green
4. Red

Question Number : 92 Question Id : 5431074022 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Gypsum is used for the reclamation of :

Options :

1. Acidic soil
2. Saline soil
3. Alkaline soil
4. Alluvial soil

Question Number : 93 Question Id : 5431074023 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Organic carbon less than 0.5% in soil considered as :

Options :

1. Very low
2. Low
3. Medium
4. High

Question Number : 94 Question Id : 5431074024 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Magnesium is a :

Options :

1. Primary nutrient
2. Secondary nutrient
3. Micro nutrient
4. Major nutrient

Question Number : 95 Question Id : 5431074025 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The unconsolidated material on the underlying rock is called :

Options :

1. Regolith
2. Soil
3. Solum
4. Earth

Question Number : 96 Question Id : 5431074026 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The Black cotton soil of central India have been derived from :

Options :

1. Granites
2. Granodiorite
3. Basalt
4. Rhyolite

Question Number : 97 Question Id : 5431074027 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The primary objective of using mulch is :

Options :

1. Reducing water evaporation

2. Reducing infiltration
3. Controlling water erosion
4. Improve soil pH

Question Number : 98 Question Id : 5431074028 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The process by which the rocks are broken into smaller pieces due to physical/mechanical process :

Options :

1. Dispersion
2. Diffusion
3. Disintegration
4. Degradation

Question Number : 99 Question Id : 5431074029 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The water between saturation and field capacity is called :

Options :

1. Gravitational water
2. Capillary water
3. Plant available water
4. Surface water

Question Number : 100 Question Id : 5431074030 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Cation exchange capacity of soil colloid is more in :

Options :

1. Kaolinite
2. Mica
3. Montmorillonite
4. Illite

Question Number : 101 Question Id : 5431074031 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Cadastral map is used in :

Options :

1. Detailed soil survey
2. Reconnaissance soil survey
3. Remote sensing
4. Plant table survey

Question Number : 102 Question Id : 5431074032 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Pressmud is used in reclamation of :

Options :

1. Acidic soil
2. Alkaline soil
3. Sodic soil
4. Forest soil

Question Number : 103 Question Id : 5431074033 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The inherent capacity of soil to provide nutrients is called as :

Options :

1. Soil fertility
2. Soil quality
3. Soil productivity
4. Crop productivity

Question Number : 104 Question Id : 5431074034 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The most deficient nutrient in Indian soil is :

Options :

1. Copper
2. Zinc
3. Nitrogen
4. Boron

Question Number : 105 Question Id : 5431074035 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Red colour of soil is due to the presence of :

Options :

1. Gibbsite
2. Magnetite
3. Hematite
4. Goethite

Question Number : 106 Question Id : 5431074036 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Windbreaks and shelter belts reduce :

Options :

1. Nutrient loss
2. Wind velocity
3. Rainfall
4. Water level

Question Number : 107 Question Id : 5431074037 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following element is associated with nitrogen fixation ?

Options :

1. Cd
2. Pb
3. Mo
4. Zn

Question Number : 108 Question Id : 5431074038 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The major source of negative charges associated with organic Soil Colloids are :

Options :

1. Carboxylic & phenolic groups
2. Isomorphous substitution
3. Exposed lattice edges
4. Cation exchange

Question Number : 109 Question Id : 5431074039 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is a biofertilizer ?

Options :

1. Green Manure
2. Vermicompost
3. Urea
4. Rhizobium culture

Question Number : 110 Question Id : 5431074040 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is *not* an essential element for plants ?

Options :

1. Fe
2. Cu
3. Cd
4. Zn

Question Number : 111 Question Id : 5431074041 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

S.I. unit of electrical conductivity (EC) is :

Options :

1. kPa
2. dSm^{-1}
3. millimhos cm^{-1}
4. Cmol kg^{-1}

Question Number : 112 Question Id : 5431074042 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Criteria of essentiality of nutrients was given by :

Options :

1. Arnon and Stout
2. Parker and Brown
3. Cate and Nelson
4. Fried and Dean

Question Number : 113 Question Id : 5431074043 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Bulk density of a normal cultivated soil varied from :

Options :

1. $1.02 - 1.8 \text{ Mg/m}^3$
2. $1.5 - 2.5 \text{ Mg/m}^3$
3. $2.5 - 3.5 \text{ Mg/m}^3$
4. $3.5 - 4.5 \text{ Mg/m}^3$

Question Number : 114 Question Id : 5431074044 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Who among the following is known as father of Soil Science ?

Options :

1. H. Jenny
2. V. V. Dokuchaev
3. J. S. Joffe
4. K. D. Glinka

Question Number : 115 Question Id : 5431074045 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Top growth of plants is normally satisfactory as long as O.D.R. remains above :

Options :

1. $20 \times 10^{-8} \text{ g/cm}^2/\text{min}$
2. $30 \times 10^{-8} \text{ g/cm}^2/\text{min}$
3. $10 \times 10^{-8} \text{ g/cm}^2/\text{min}$
4. $5 \times 10^{-8} \text{ g/cm}^2/\text{min}$

Question Number : 116 Question Id : 5431074046 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following soil posses highest total porosity ?

Options :

1. Sandy soil
2. Clayey soil
3. Sandy loam soil
4. Loamy sand soil

Question Number : 117 Question Id : 5431074047 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

'Neutron Probe' is used for the measurement of :

Options :

1. Soil EC
2. Soil moisture
3. Soil air
4. Soil pH

Question Number : 118 Question Id : 5431074048 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Ca-equivalent of CaCO_3 is :

Options :

1. 0.80
2. 0.40
3. 0.20
4. 0.10

Question Number : 119 Question Id : 5431074049 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

India is divided in to how many agroecological regions ?

Options :

1. 5
2. 10
3. 20
4. 30

Question Number : 120 Question Id : 5431074050 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Black cotton of soil of India is placed in which of the following order of Soil
Taxonomy.

Options :

1. Gelisols
2. Vertisols
3. Histosols
4. Andisols