

Banaras Hindu University

Question Paper Name: 751
Subject Name: 751
Creation Date: 2019-07-16 12:30:09
Duration: 120
Total Marks: 300
Display Marks: Yes
Share Answer Key With Delivery Engine: Yes
Actual Answer Key: Yes

RET_Soil_Sc_Agri_Chem

Group Number : 1
Group Id : 1982366
Group Maximum Duration : 0
Group Minimum Duration : 120
Revisit allowed for view? : No
Revisit allowed for edit? : No
Break time: 0
Group Marks: 300

Methodology

Section Id : 19823611
Section Number : 1
Section type : Online
Mandatory or Optional: Mandatory
Number of Questions: 40
Number of Questions to be attempted: 40
Section Marks: 120
Display Number Panel: Yes
Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 19823611
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 198236501 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 non-probability sampling :

Options :

1. Snowball

2. Random
3. Cluster
4. Stratified

Question Number : 2 Question Id : 198236502 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 systematic step-by-step procedure following logical process of reasoning" is called :

Options :

1. Experiment
2. Scientific method
3. Observation
4. Deduction

Question Number : 3 Question Id : 198236503 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

"Reasoning from general to particular" is called :

Options :

1. Induction
2. Observation
3. Deduction
4. Experience

Question Number : 4 Question Id : 198236504 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

Example of fact finding study is :

Options :

1. Pure research
2. Survey
3. Action research
4. Long term research

Question Number : 5 Question Id : 198236505 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 an example of primary data ?

Options :

1. Book
2. Journal
3. Interview
4. Census report

Question Number : 6 Question Id : 198236506 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 Hypothesis which develops while planning the research is :

Options :

1. Null Hypothesis
2. Descriptive Hypothesis
3. Relational Hypothesis
4. Working Hypothesis

Question Number : 7 Question Id : 198236507 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

Hypothesis testing is *not* required in case of :

Options :

1. Descriptive research design
2. Experimental Design
3. Ex-post facto Design
4. Ex-post facto

Question Number : 8 Question Id : 198236508 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 value of the variable for a particular individual is called as :

Options :

1. Variate
2. Data
3. Sample
4. Variable

Question Number : 9 Question Id : 198236509 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 acceptable probability level for accuracy of agricultural field experiments is :

Options :

1. 0.01
2. 0.05
3. 0.10
4. 0.015

Question Number : 10 Question Id : 198236510 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 minimum degree of freedom required to detect the given difference at 5% level of significance is :

Options :

1. 20
2. 15
3. 12
4. 25

Question Number : 11 Question Id : 198236511 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 error degree of freedom in randomized complete block design with 10 treatments and 4 replications will be :

Options :

1. 40
2. 36
3. 30
4. 27

Question Number : 12 Question Id : 198236512 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 design suited for factorial experiments involving two factors and both requiring larger plots is :

Options :

1. CRD
2. RBD
3. Split Plot
4. Strip Plot

Question Number : 13 Question Id : 198236513 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

For the data following binominal distribution and expressed in decimal or percentage, the transformation to be used is :

Options :

1. Square root
2. Logarithmic
3. Arcsine
4. No transformation

Question Number : 14 Question Id : 198236514 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 factorial experiments, if there are n factors and p levels, it is designated as :

Options :

1. p^n
2. n^p
3. Both p^n & n^p
4. $n \times p$

Question Number : 15 Question Id : 198236515 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

Reduction in the experimental error with heterogenous material requires :

Options :

1. More replications
2. Use of randomization
3. Use of local control technique
4. More replications and use of local control technique

Question Number : 16 Question Id : 198236516 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

PERT is :

Options :

1. Event oriented
2. Activity oriented
3. Programme oriented
4. Plan oriented

Question Number : 17 Question Id : 198236517 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 distance between first quartile and third quartile indicates a range of measurement :

Options :

1. 50% of the items
2. 25% of the items
3. 60% of the items
4. 75% of the items

Question Number : 18 Question Id : 198236518 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

Mean deviation is minimum when deviations are taken from :

Options :

1. mean
2. median
3. mode
4. zero

Question Number : 19 Question Id : 198236519 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

Stratified sampling comes under the category of :

Options :

1. unrestricted sampling
2. subjective sampling
3. purposive sampling
4. restricted sampling

Question Number : 20 Question Id : 198236520 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 test was given twice to the same group. The coefficient of correlation between the scores of the two administrations was 0.90. The association refers to :

Options :

1. Reliability
2. Validity
3. both reliability and validity
4. not related to reliability and validity

Question Number : 21 Question Id : 198236521 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

Ratio measurement has :

Options :

1. Absolute zero
2. Arbitrary zero
3. No zero

4. Infinity

Question Number : 22 Question Id : 198236522 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 data obtained through ordinal scale is best suited for :

Options :

1. parametric tests
2. non parametric tests
3. parametric and non parametric tests
4. higher order mathematical tests

Question Number : 23 Question Id : 198236523 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 case of split-plot, the accuracy of estimates after confounding in sub-plots increases for :

Options :

1. main plot treatments
2. all sub-plot treatments
3. all sub-plot treatments except those confounded
4. no treatment

Question Number : 24 Question Id : 198236524 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

Important characteristics of correlation are :

Options :

1. magnitude, direction and significance
2. magnitude and direction

3. direction only
4. magnitude only

Question Number : 25 Question Id : 198236525 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 technical function of Research Design is to control variance through :

Options :

1. MAXIMINCON principles
2. Minimizing error of measurement
3. Controlling variance of unwanted variables
4. Maximizing variance of variables

Question Number : 26 Question Id : 198236526 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

Agropedia was launched as a part of :

Options :

1. NATP project
2. NAIP Project
3. IVLP Project
4. ATMA project

Question Number : 27 Question Id : 198236527 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 represents the best estimate of the population mean ?

Options :

1. The sample means

2. The mean of several sample means
3. The mode of several sample means
4. The median of several sample means

Question Number : 28 Question Id : 198236528 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 you draw 100 samples from a population and plot all their means as a frequency histogram, then you have a :

Options :

1. Mean distribution
2. Skewed distribution
3. Sampling distribution
4. Binomial Distribution

Question Number : 29 Question Id : 198236529 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 you obtain a one-tailed p-value of 0.02 then the equivalent two-tailed p-value is :

Options :

1. 0.01
2. 0.04
3. 0.02
4. 0.4

Question Number : 30 Question Id : 198236530 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 probability that an effect has arisen due to sampling error given that the null hypothesis is true is :

Options :

1. Negligible

2. β

3. α

4. γ

Question Number : 31 Question Id : 198236531 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 you have a correlation coefficient of 0.4, how much variance is left unexplained ?

Options :

1. 16%

2. 40%

3. 84%

4. 4%

Question Number : 32 Question Id : 198236532 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

All other things being equal :

Options :

1. The more sample size increases, the more power decreases

2. The more sample size decreases, the more power increases

3. Sample size has no relationship to power

4. The more sample size increases, the more indeterminate the power

Question Number : 33 Question Id : 198236533 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 value of χ^2 will always be :

Options :

1. Positive
2. Negative
3. High
4. Zero

Question Number : 34 Question Id : 198236534 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 population consisting of the results of the conceptually repeated trials is known as :

Options :

1. finite population
2. infinite population
3. hypothetical population
4. real population

Question Number : 35 Question Id : 198236535 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

Formula for standard error of sample mean \bar{x} based on sample size 'n' having variance s^2 , when population consisted of N items is :

Options :

1. $\frac{s}{n}$
2. $\frac{s}{\sqrt{n+1}}$
3. $\frac{s}{\sqrt{n-1}}$
4. $\frac{s}{\sqrt{n}}$

Question Number : 36 Question Id : 198236536 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 Population was divided into clusters and it was found that within cluster variation was less than the variation between clusters. If a sample of units was drawn from each cluster, the sampling procedure used was :

Options :

1. multistage sampling
2. cluster sampling
3. stratified sampling
4. simple random sampling

Question Number : 37 Question Id : 198236537 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 a perfectly symmetrical distribution :

Options :

1. the values of mean, median and mode are identical
2. mean is greater than mode
3. median is greater than mode
4. median is greater than mean

Question Number : 38 Question Id : 198236538 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 significance of simple correlation coefficient can be tested by :

Options :

1. 't' test
2. 'F' test
3. Chi-Square test
4. 'Z' test

Question Number : 39 Question Id : 198236539 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 in a split plot design A at 5 levels is allocated in main-plots and B in 4 levels in sub-plots and the treatments have 3 replications, then the sub-plot error degree of freedom will be :

Options :

1. 20
2. 12
3. 30
4. 18

Question Number : 40 Question Id : 198236540 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 degrees of freedom for χ^2 in case of dichotomized frequencies are :

Options :

1. 0
2. 1
3. 2
4. 4

Area Concerned

Section Id :	19823612
Section Number :	2
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	60
Number of Questions to be attempted:	60
Section Marks:	180
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	19823612
Question Shuffling Allowed :	Yes

Question Number : 41 Question Id : 198236541 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

Process of podzolization operates under :

Options :

1. Warm humid climate
2. Cold humid climate
3. Arid climate
4. Semi-arid climate

Question Number : 42 Question Id : 198236542 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

Parent material deposited by the action of gravity is referred as :

Options :

1. Colluvium
2. Alluvium
3. Aeolian
4. Marine

Question Number : 43 Question Id : 198236543 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 diagnostic surface horizon :

Options :

1. Ochric
2. Spodic
3. Natric
4. Agric

Question Number : 44 Question Id : 198236544 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

Lowest category in soil taxonomy is :

Options :

1. Sub-order
2. Series
3. Family
4. Great group

Question Number : 45 Question Id : 198236545 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 soil taxonomy order, andisols represents :

Options :

1. Volcanic ash soils
2. Glacier soils
3. Soils of arid regions
4. Soils of humid regions

Question Number : 46 Question Id : 198236546 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

Mottling pattern in soil is described in terms of :

Options :

1. Hue, Value & Chroma
2. Loose, friable & firm
3. Abundance, size & contrast
4. Size, contrast & abundance

Question Number : 47 Question Id : 198236547 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 genetic soil horizon :

Options :

1. Histic
2. Cambic
3. E-horizon
4. Argillic

Question Number : 48 Question Id : 198236548 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

Land capability Class-I represents the colour on map :

Options :

1. Pink
2. Green
3. Yellow
4. Brown

Question Number : 49 Question Id : 198236549 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

'Cryo-pedoturbation' is a dominant process of soil horizon development in :

Options :

1. Andisol
2. Vertisol
3. Alfisol
4. Gelisol

Question Number : 50 Question Id : 198236550 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 nutrient is known as nano-nutrient :

Options :

1. Na
2. B
3. Mo
4. S

Question Number : 51 Question Id : 198236551 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

Designation t- is used with master horizon to indicate :

Options :

1. Accumulation of salts
2. Accumulation of silica
3. Accumulation of clay
4. Accumulation of organic matter

Question Number : 52 Question Id : 198236552 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

Crop logging is a method of :

Options :

1. Soil fertility evaluation
2. Assessing crop damage
3. Testing suitability of fertilizers
4. Plant analysis for toxicity of nutrients

Question Number : 53 Question Id : 198236553 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

Liebig's law of minimum is suited for :

Options :

1. Mobile nutrient

2. Immobile nutrient
3. Both mobile and immobile nutrients
4. Fixed nutrients

Question Number : 54 Question Id : 198236554 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 wavelength range (μm) in stretching mode of excitation after absorption of IR ray
by a molecule is :

Options :

1. 1.0 – 2.0
2. 2.5 – 15.0
3. 20.0 – 25.0
4. > 22

Question Number : 55 Question Id : 198236555 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 detector used for estimation of CH_4 in GLC is :

Options :

1. ECD
2. FID
3. PID
4. TCD

Question Number : 56 Question Id : 198236556 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 among the following types of indicator does potassium chromate belong to :

Options :

1. Adsorption

2. Redox
3. Metal ion
4. Precipitation

Question Number : 57 Question Id : 198236557 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 hollow cathode lamp is filled with a gas under low pressure :

Options :

1. O₂
2. H₂
3. Ar
4. N₂

Question Number : 58 Question Id : 198236558 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 soil order contains highest amount of organic matter :

Options :

1. Histosol
2. Mollisol
3. Spodosol
4. Vertisol

Question Number : 59 Question Id : 198236559 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 soil enzyme is not an oxidoreductase enzyme :

Options :

1. Catalase

2. Peroxidase
3. Dehydrogenase
4. Invertase

Question Number : 60 Question Id : 198236560 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 chemical used as plasmolytic agent in soil enzyme assay is :

Options :

1. Water
2. Sodium stearate
3. Toluene
4. Dil. HCl

Question Number : 61 Question Id : 198236561 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

Phosphatases catalyze the hydrolysis of both esters and anhydrides of :

Options :

1. H_3PO_4
2. KH_2PO_4
3. CH_3COOH
4. Nitrophenol

Question Number : 62 Question Id : 198236562 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

According to the nature of reaction the isoproturon herbicide is :

Options :

1. Weaker acidic

2. Basic
3. Neutral
4. Strongly acidic

Question Number : 63 Question Id : 198236563 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

Volatilization from soil through methylation occurs for :

Options :

1. Se
2. Ni
3. Ca
4. Pb

Question Number : 64 Question Id : 198236564 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

Kerotosis disease in human is linked with the element :

Options :

1. Cd
2. Ni
3. As
4. Se

Question Number : 65 Question Id : 198236565 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

Zinc equivalent is calculated for soil application of :

Options :

1. Fertilizer

2. FYM
3. Sludge
4. Fly ash

Question Number : 66 Question Id : 198236566 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 respect of 'ozone hole' formation the highest effectiveness is considered for natural gas :

Options :

1. H₂O vapour
2. CO₂
3. N₂O
4. CH₄

Question Number : 67 Question Id : 198236567 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 bubbling out of methane gas from water surface in submerged soil is :

Options :

1. Diffusion
2. Ebullition
3. Osmosis
4. Mass flow

Question Number : 68 Question Id : 198236568 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 per cent of net solar radiation used for sensible heat :

Options :

1. 5%

2. 16%

3. 50%

4. 12%

Question Number : 69 Question Id : 198236569 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 associative nitrogen fixing microorganism :

Options :

1. *Rhizobium japonicum*

2. *Azotobacter paspali*

3. *Pseudomonas striata*

4. *Aspergillus awamori*

Question Number : 70 Question Id : 198236570 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 protects nitrogenase in *Azospirillum* :

Options :

1. Leghaemoglobin

2. Heterocyst

3. Sethana protein

4. Vesicles

Question Number : 71 Question Id : 198236571 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 first step of nitrification, oxidation number changes from :

Options :

1. -3 to +3

2. +3 to -3

3. -3 to +5

4. +3 to -5

Question Number : 72 Question Id : 198236572 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

Turbidity of broth exhibits growth of :

Options :

1. Fungi

2. Algae

3. Actinomycetes

4. Bacteria

Question Number : 73 Question Id : 198236573 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

Oligocarbophilic microorganisms develop well in media :

Options :

1. Deficient in nitrogen

2. Rich in nitrogen

3. Deficient in carbon

4. Rich in carbon

Question Number : 74 Question Id : 198236574 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 amount of reflected light from soil surface depends on the soil colour component :

Options :

1. Hue

2. Chroma

3. Value

4. Pixel

Question Number : 75 Question Id : 198236575 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

Particle size larger than 2.0 mm diameter is known as :

Options :

1. Fine sand
2. Silt
3. Coarse sand
4. Gravel

Question Number : 76 Question Id : 198236576 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 moisture retained at -15 bar matric potential is known as :

Options :

1. Hygroscopic coefficient
2. Field capacity
3. Saturation water content
4. Permanent wilting point

Question Number : 77 Question Id : 198236577 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 Fick's law of gas diffusion, $q=D \frac{dc}{dx}$, the value of D in soils is usually between :

Options :

1. 0.6 and 0.8
2. 0.9 and 1.0
3. 0.1 and 0.2
4. 6 and 8

Question Number : 78 Question Id : 198236578 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, $A = R \times K \times L \times S \times C \times P$, K stands for :

Options :

1. Soil potassium
2. Soil slope
3. Soil erodibility factor
4. Rain fall factor

Question Number : 79 Question Id : 198236579 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 pF value at field capacity soil moisture is :

Options :

1. 2.00
2. 2.54
3. 3.00
4. 2.70

Question Number : 80 Question Id : 198236580 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 rate of growth of most plant ceases when the ODR ($g/cm^2/min$) value is below :

Options :

1. 20×10^{-8}
2. 20×10^{-4}
3. 2×10^{-18}
4. 10×10^{-8}

Question Number : 81 Question Id : 198236581 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 soil component has the highest specific heat (Cal/g/°C) value :

Options :

1. Coarse sand
2. Fe₂O₃
3. Humus
4. Mica

Question Number : 82 Question Id : 198236582 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 a hydrolysis product of urea in soil :

Options :

1. (NH₄)₂CO₃
2. NH₄OH
3. NH₃
4. NH₄NO₃

Question Number : 83 Question Id : 198236583 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

Akiochi disease of rice is associated with the fertilizer :

Options :

1. Urea
2. Ammonium sulphate
3. Ammonium nitrate
4. Calcium ammonium nitrate

Question Number : 84 Question Id : 198236584 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

For anaerobic strongly acid soils high in organic matter, the fertilizer that may be recommended is :

Options :

1. $(\text{NH}_4)_2\text{SO}_4$
2. NaNO_3
3. $\text{CO}(\text{NH}_2)_2$
4. NH_4Cl

Question Number : 85 Question Id : 198236585 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 clay mineral is rich in potash :

Options :

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

Question Number : 86 Question Id : 198236586 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

Phosphate in soil moves mainly through :

Options :

1. Mass flow
2. Diffusion
3. Osmotic movement
4. Hydrodynamic dispersion

Question Number : 87 Question Id : 198236587 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

Rise of liquid in a capillary tube is directly proportional to the :

Options :

1. Tube diameter
2. Density of the liquid
3. Surface tension of the liquid
4. Force of gravity

Question Number : 88 Question Id : 198236588 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

One Pg (Petagram) carbon equals to :

Options :

1. 10^{12} g carbon
2. 10^9 g carbon
3. 10^{15} g carbon
4. 10^{-12} g carbon

Question Number : 89 Question Id : 198236589 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

CEC of which clay mineral is highest :

Options :

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

Question Number : 90 Question Id : 198236590 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 1: 1 type of clay mineral :

Options :

1. Vermiculite
2. Nacrite
3. Illite
4. Saponite

Question Number : 91 Question Id : 198236591 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 layer silicate has maximum swelling property :

Options :

1. Halloysite
2. Bentonite
3. Chlorite
4. Haematite

Question Number : 92 Question Id : 198236592 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

Phytin is a type of organic :

Options :

1. Nitrogen
2. Phosphorus
3. Sulphur
4. Molybdenum

Question Number : 93 Question Id : 198236593 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 cation is mainly known to cause deflocculation of soil particle :

Options :

1. Ca^{++}
2. Mg^{++}
3. K^+
4. Na^+

Question Number : 94 Question Id : 198236594 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

Strongly acidic soils are rich in :

Options :

1. Mg
2. Ca
3. Al
4. P

Question Number : 95 Question Id : 198236595 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 relation between pH and Eh ?

Options :

1. $\text{Eh} = \text{pH}/0.0591$
2. $\text{pH} + \text{Eh} = 0.0591$
3. $\text{pH} = \text{Eh}/0.0591$
4. $\text{Eh} - 0.0591 = \text{pH}$

Question Number : 96 Question Id : 198236596 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

One unit change in pH represents a change of H^+ ion activity by :

Options :

1. five fold
2. ten fold
3. hundred fold
4. thousand fold

Question Number : 97 Question Id : 198236597 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

Humic acid is soluble in :

Options :

1. Dilute acid
2. Dilute alkali
3. Both acid and alkali
4. Neither acid nor alkali

Question Number : 98 Question Id : 198236598 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

Ion activity coefficient is calculated by :

Options :

1. Debye-Huckel equation
2. Donnan equation
3. Vant Hoff equation
4. Henderson-Hasselbach equation

Question Number : 99 Question Id : 198236599 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 coordination number of Si^{4+} ion in silicon-oxygen compounds is :

Options :

1. One

2. Two
3. Three
4. Four

Question Number : 100 Question Id : 198236600 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 charge per unit layer of mica is :

Options :

1. 0
2. -0.5
3. -1.0
4. -2.0