

Telangana State Council Higher Education

Notations :

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with ✗ icon are incorrect.

Question Paper Name :	Environmental Management 14th Aug 2021 Shift 1
Subject Name :	Environmental Management
Creation Date :	2021-08-14 12:17:43
Duration :	120
Total Marks :	120
Display Marks:	Yes
Calculator :	None
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console? :	Yes

Environmental Management

Group Number :	1
Group Id :	63643130
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No

Edit Attended Group? :	No
Break time :	0
Group Marks :	120
Is this Group for Examiner? :	No

Mathematics

Section Id :	63643156
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	10
Section Marks :	10
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	63643156
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 6364313481 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

If α, β are the roots of $x^2 + ax + b + 1 = 0$, then $(\alpha^2 + 1)(\beta^2 + 1) =$

Options :

1. ✘ $2(a^2 + b^2)$
2. ✘ $a + b$
3. ✔ $a^2 + b^2$

4. ✘ $a^2 - b^2$

Question Number : 2 Question Id : 6364313482 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The system of equations $x + y + z - 1 = 0$, $2x + y - z = 4$, $x + 2y + 3z = 0$ has

Options :

1. ✘ No solution
2. ✔ Unique solution
3. ✘ Two solutions
4. ✘ Infinitely many solutions

Question Number : 3 Question Id : 6364313483 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

Suppose a, b, c are in G.P with common ratio r . If $a, 2b$ and $3c$ are to be in A.P., then the value of r should be

Options :

1. ✔ $\frac{1}{3}$
2. ✘ $\frac{1}{4}$

3. ✘ $\frac{1}{5}$

4. ✘ $\frac{1}{6}$

Question Number : 4 Question Id : 6364313484 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The number of divisors of 900 is

Options :

1. ✘ 8

2. ✘ 125

3. ✘ 64

4. ✔ 27

Question Number : 5 Question Id : 6364313485 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The number of diagonals in a regular octagon is

Options :

1. ✔ 20

2. ✘ 25

3. ✘ 30

4. ✘ 32

Question Number : 6 Question Id : 6364313486 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The value of $\sum_{r=1}^{10} ({}^r P_r) =$

Options :

1. ✘ $11! - 11$

2. ✘ $11!$

3. ✘ $11! + 1$

4. ✔ $11! - 1$

Question Number : 7 Question Id : 6364313487 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

If n is the number of observed data values to find the theoretical data values with m relations, then the number of degrees of freedom taken in Chi-square test for goodness of fit is

Options :

1. ✘ $n - m$

2. ✔ $n - 1 - m$

3. ✘ $n - m + 1$

4. ✘ $n - m - 2$

Question Number : 8 Question Id : 6364313488 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The determinant of the matrix $\begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{bmatrix}$ is

Options :

1. ✘ 1

2. ✘ 2

3. ✘ 3

4. ✔ 0

Question Number : 9 Question Id : 6364313489 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The probability distribution of a random variable X is given below:

X	-2	-1	0	1	2
P(X)	k	2k	3k	4k	5k

Then the mean of X is

Options :

1. ✓ $\frac{2}{3}$

2. ✗ $\frac{1}{3}$

3. ✗ $\frac{3}{2}$

4. ✗ 3

Question Number : 10 Question Id : 6364313490 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Let X be a binomial variate with mean 15 and variance 10, with parameters n and p. Then $n =$

Options :

1. ✗ 30

2. ✗ 60

3. ✓ 45

4. ✘ 75

Environmental Management

Section Id :	63643157
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	110
Number of Questions to be attempted :	110
Section Marks :	110
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	63643157
Question Shuffling Allowed :	Yes

Question Number : 11 Question Id : 6364313491 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is
Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The first stage of natural process of sludge digestion is

Options :

1. ✘ Acid fermentation

2. ✓ Hydrolysis

3. ✘ Acetogenesis

4. ✘ Methane formation

Question Number : 12 Question Id : 6364313492 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The gas from sludge digestion tank is mainly composed of

Options :

1. ✔ Methane
2. ✘ Hydrogen
3. ✘ Hydrogen sulfide
4. ✘ Nitrogen

Question Number : 13 Question Id : 6364313493 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Substrate removal rate in a reactor removing organic matter is maximum during

Options :

1. ✘ Lag phase
2. ✔ Log phase
3. ✘ Stationary phase

4. ✘ Endogenous phase

Question Number : 14 Question Id : 6364313494 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Chlorine is sometimes used in sewage treatment

Options :

1. ✘ To avoid flocculation
2. ✘ To increase biological activity of bacteria
3. ✔ To avoid bulking of activated sludge
4. ✘ To help in grease separation

Question Number : 15 Question Id : 6364313495 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following sewage treatment methods has inherent problems of odour, ponding and fly nuisance

Options :

1. ✘ UASB system
2. ✘ Activated sludge process

3. ✓ Trickling filters

4. ✗ Stabilization ponds

Question Number : 16 Question Id : 6364313496 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Elutriation is the process of

Options :

1. ✗ Settling

2. ✗ Digestion

3. ✗ Filtration

4. ✓ Washing of sludge

Question Number : 17 Question Id : 6364313497 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The following equipment can be used to control gaseous pollutants

Options :

1. ✓ Scrubbers

2. ✗ Electrostatic precipitator

3. ✘ Fabric filters

4. ✘ Gravitational settling chambers

Question Number : 18 Question Id : 6364313498 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The most preferred option for biomedical waste is

Options :

1. ✘ Composting

2. ✘ Land filling

3. ✔ Incineration

4. ✘ Pyrolysis

Question Number : 19 Question Id : 6364313499 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The following causes acid rains

Options :

1. ✔ Oxides of sulphur

2. ✘ Ozone
3. ✘ Lead
4. ✘ Hydrocarbons

Question Number : 20 Question Id : 6364313500 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The following is primary pollutant

Options :

1. ✘ Ozone
2. ✘ Formaldehyde
3. ✘ Sulphuric acid
4. ✔ Particulate matter

Question Number : 21 Question Id : 6364313501 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The pH value of sewage is determined with the help of

Options :

1. ✘ Imhoff cone

2. ✘ Turbidimeter
3. ✔ Potentiometer
4. ✘ Orifice meter

Question Number : 22 Question Id : 6364313502 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

To test chemical oxygen demand of sewage, organic matter is oxidized by potassium dichromate in the presence of

Options :

1. ✘ Hydrochloric acid
2. ✔ Sulphuric acid
3. ✘ Nitric acid
4. ✘ Citric acid

Question Number : 23 Question Id : 6364313503 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

In sewage having fully oxidized organic matter, the nitrogen exists in the form of

Options :

1. ✓ Nitrates
2. ✗ Nitrites
3. ✗ Aluminoid nitrogen
4. ✗ Free ammonia

Question Number : 24 Question Id : 6364313504 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

A net flow of atmospheric water vapour from the Oceans to Land is supported by

Options :

1. ✗ Tropical rainfall
2. ✓ The global hydrologic cycle
3. ✗ Rain forests
4. ✗ El Nino

Question Number : 25 Question Id : 6364313505 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Primary treatment of sewage consists of

Options :

1. ✓ Removal of large suspended organic solids
2. ✗ Removal of oil and grease
3. ✗ Removal of sand and grit
4. ✗ Removal of floating materials

Question Number : 26 Question Id : 6364313506 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The mean division time for a bacterial population is 30 minutes. How many bacteria will be present after eight hours, when starting with one bacterium

Options :

1. ✗ 7.00×10^5
2. ✓ 6.55×10^4
3. ✗ 6.00×10^2
4. ✗ 7.00×10^2

Question Number : 27 Question Id : 6364313507 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

For designing the sedimentation tank, which of the following parameter is more important

Options :

1. ✓ Surface overflow rate
2. ✗ Turbidity
3. ✗ Viscosity
4. ✗ Temperature

Question Number : 28 Question Id : 6364313508 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The dilution ratio at which the odour is hardly detectable is generally called threshold number and for public supplies it should not exceed

Options :

1. ✓ 3
2. ✗ 7
3. ✗ 5
4. ✗ 9

Question Number : 29 Question Id : 6364313509 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Hardness can be removed by boiling the water if it is due to

Options :

1. ✘ Calcium sulphate
2. ✘ Magnesium sulphate
3. ✘ Calcium nitrate
4. ✔ Calcium bicarbonate

Question Number : 30 Question Id : 6364313510 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Blue haze in forest area is produced because of

Options :

1. ✘ Alkenes
2. ✔ Aerosols
3. ✘ PAN
4. ✘ Lead

Question Number : 31 Question Id : 6364313511 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

An organism that uses inorganic reduced compounds as a source of energy is called

Options :

1. ✘ Chemoorganotroph
2. ✘ Chemoautotroph
3. ✘ Chemoergotroph
4. ✔ Chemolithotroph

Question Number : 32 Question Id : 6364313512 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The ratio of discharge and plan area of a continuous flow type settling tank is known as

Options :

1. ✔ Surface loading rate
2. ✘ Settling velocity
3. ✘ Flow through velocity
4. ✘ Detention time

Question Number : 33 Question Id : 6364313513 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The typical yield of a rapid sand filter as compared to that of conventional slow sand filter is about

Options :

1. ✘ 2 times
2. ✘ 10 times
3. ✘ 100 times
4. ✔ 30 times

Question Number : 34 Question Id : 6364313514 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A high velocity of wash water is required for

Options :

1. ✘ Rapid gravity filter with strainers
2. ✔ Rapid gravity filter without strainers
3. ✘ Slow sand filter with strainers

4. ✘ Slow sand filter without strainers

Question Number : 35 Question Id : 6364313515 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following is used in microbiology to detect production of gas by microorganisms

Options :

1. ✘ Cragie tube
2. ✘ U-tube
3. ✘ Drying tube
4. ✔ Durham tube

Question Number : 36 Question Id : 6364313516 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

For plain chlorination of water, the quantity of chlorine used is

Options :

1. ✘ 0.1mg/litre
2. ✘ 0.2mg /litre

3. ✘ 0.3mg/litre

4. ✔ 0.5mg/litre

Question Number : 37 Question Id : 6364313517 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The standard BOD test conducted does not depends on

Options :

1. ✘ Temperature

2. ✘ Amount of organic matter present

3. ✔ Viscosity

4. ✘ Dissolved oxygen

Question Number : 38 Question Id : 6364313518 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

To ensure proper growth of children teeth, the quantity of fluoride used in water mains should be about

Options :

1. ✔ 0.5-1.5 mg/litre

2. ✘ 1.5-2.5 mg/litre
3. ✘ 2.5-3.5mg/litre
4. ✘ >4mg/litre

Question Number : 39 Question Id : 6364313519 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following is a direct measurement of microbial growth

Options :

1. ✘ Determination of nitrogen content
2. ✔ Determination of Dry weight of cells
3. ✘ Turbidimetric methods

4. ✘ Measurement of a specific chemical change produced on a constituent of the medium

Question Number : 40 Question Id : 6364313520 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

For controlling algae, the most commonly used chemical is

Options :

1. ✓ Copper sulphate
2. ✗ Alum
3. ✗ Lime
4. ✗ Bleaching powder

Question Number : 41 Question Id : 6364313521 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The percentage by weight of the dissolved substances in sea water is nearly

Options :

1. ✗ 0.0025%
2. ✗ 0.025%
3. ✗ 0.25%
4. ✓ 2.5%

Question Number : 42 Question Id : 6364313522 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Dehydration takes place in

Options :

1. ✘ Regions close to sea
2. ✘ Regions of high rainfall
3. ✔ Regions of high temperature
4. ✘ Regions of low temperature

Question Number : 43 Question Id : 6364313523 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The electric method is adopted for

Options :

1. ✔ Location of base metal deposits
2. ✘ Determination of shape of boundary between two rock formations
3. ✘ Determination of depth of boundary between two rock formations
4. ✘ Determination of cleavage between two rock formations

Question Number : 44 Question Id : 6364313524 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Magnetometric method measures

Options :

1. ✘ Dip
2. ✘ Declination
3. ✘ Isogonic contours
4. ✔ Magnetic permeability

Question Number : 45 Question Id : 6364313525 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Areas where the ground is saturated with water during most of the year and the land is not deeply submerged, are known as

Options :

1. ✔ Swamps
2. ✘ Basins
3. ✘ Mud banks
4. ✘ Sediments

Question Number : 46 Question Id : 6364313526 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The Gurley compass is used to measure

Options :

1. ✘ Magnetic bearing
2. ✘ Life of mountains
3. ✔ Direction and strike
4. ✘ Level of a place

Question Number : 47 Question Id : 6364313527 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The color of chlorites is usually

Options :

1. ✘ Grey
2. ✘ Black
3. ✘ Green
4. ✔ Red

Question Number : 48 Question Id : 6364313528 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

India is divided into how many well defined earthquake zones

Options :

1. ✘ 2

2. ✔ 3

3. ✘ 4

4. ✘ 5

Question Number : 49 Question Id : 6364313529 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following is an essential constituent of igneous rocks

Options :

1. ✘ Calcium

2. ✘ Sulphur

3. ✘ Carbon

4. ✔ Silica

Question Number : 50 Question Id : 6364313530 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following is **NOT** an essential part of computer system.

Options :

1. ✘ Address Bus
2. ✔ Multi Bus
3. ✘ Data Bus
4. ✘ Control Bus

Question Number : 51 Question Id : 6364313531 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The rule which is mostly used to balance traverse when linear and angular measurements are equally precise is

Options :

1. ✘ Transit rule
2. ✔ Bowditch's rule
3. ✘ Trapezoidal rule
4. ✘ Simpson rule

Question Number : 52 Question Id : 6364313532 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The lens used in aerial photogrammetry has a maximum coverage capacity of _____ (in angles)

Options :

1. ✘ 53°
2. ✘ 63°
3. ✔ 93°
4. ✘ 98°

Question Number : 53 Question Id : 6364313533 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The process of determining locations of the instrument station by drawing resectors from the locations of the known stations is called

Options :

1. ✘ Radiation
2. ✘ Intersection

3. ✓ Resection

4. ✘ Traversing

Question Number : 54 Question Id : 6364313534 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Output of the following program is _____

```
int main()
{
    char a='A';
    int b;
    b=a;
    a=b;
    printf(" %d ",a);
    return 0;
}
```

Options :

1. ✘ a

2. ✓ 65

3. ✘ 40

4. ✘ A

Question Number : 55 Question Id : 6364313535 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Mean sea level at any place is the average datum of hourly tide height observed over a period of nearly

Options :

1. ✘ 5 years

2. ✘ 10 years

3. ✔ 20 years

4. ✘ 50 years

Question Number : 56 Question Id : 6364313536 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following methods estimates best the area of an irregular and curved boundary

Options :

1. ✘ Trapezoidal method

2. ✓ Simpson's method
3. ✗ Average ordinate method
4. ✗ Mid-ordinate method

Question Number : 57 Question Id : 6364313537 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The instrument used for the measurement of wind speed is

Options :

1. ✓ Anemometer
2. ✗ Rotameter
3. ✗ Odometer
4. ✗ Psychrometer

Question Number : 58 Question Id : 6364313538 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which one of the following is not a hydro-meteorological factor influencing the surface runoff and characteristics of stream flow

Options :

1. ✘ Precipitation
2. ✔ Vegetation cover
3. ✘ Evapo-transpiration
4. ✘ Air temperature and humidity

Question Number : 59 Question Id : 6364313539 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The infiltration capacity is

Options :

1. ✘ Maximum rate of accumulation of water in an area
2. ✘ (Precipitation-evaporation loss) per unit time
3. ✔ Maximum rate at which water enters the soil
4. ✘ Rainfall water entering sub-soil

Question Number : 60 Question Id : 6364313540 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

A hydrograph is a plot of

Options :

1. ✘ Precipitation against time
2. ✘ Direct run-off against time
3. ✔ Stream flow against time
4. ✘ Surface runoff against time

Question Number : 61 Question Id : 6364313541 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

DAD (Depth-area-duration) studies for a particular storm indicate that the average depth of rainfall

Options :

1. ✘ Remains constant
2. ✘ Decreases as the area decreases
3. ✔ Decreases as the area increases
4. ✘ Increases as the duration of rainfall increases

Question Number : 62 Question Id : 6364313542 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

A weir that is not submerged i.e, in which the tail water is below the crest is called

Options :

1. ✘ Free water weir
2. ✔ Free fall weir
3. ✘ Unsubmerged weir
4. ✘ Round crested weir

Question Number : 63 Question Id : 6364313543 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

In a chute spillway the flow is generally

Options :

1. ✘ Laminar
2. ✘ Uniform
3. ✘ Critical

4. ✓ Super-critical

Question Number : 64 Question Id : 6364313544 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The type of dam which can be raised easily if desired is

Options :

1. ✗ Gravity dam
2. ✗ Buttress dam
3. ✗ Arch dam
4. ✓ Earth dam

Question Number : 65 Question Id : 6364313545 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

If the permeability of a medium is the same in all directions, it is known as

Options :

1. ✓ Isotropic
2. ✗ Anisotropic

3. ✘ Metamorphic

4. ✘ Silty

Question Number : 66 Question Id : 6364313546 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Operating System that permits multiple programs to be run simultaneously using a single processor is referred to as

Options :

1. ✘ Multitasking

2. ✔ Multithreading

3. ✘ Multi user

4. ✘ Multi processing

Question Number : 67 Question Id : 6364313547 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A process where the force of pulling is produced inside the xylem tissue is called

Options :

1. ✘ Evaporation pull

2. ✘ Active transport pull

3. ✘ Ionic pull

4. ✔ Transpiration pull

Question Number : 68 Question Id : 6364313548 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following pollutants is the major reason behind adverse affect on the white marbles of Taj Mahal

Options :

1. ✘ Black carbon

2. ✘ Nitrogen oxides

3. ✔ Brown carbon

4. ✘ Sulphur dioxide

Question Number : 69 Question Id : 6364313549 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Run off is least affected by

Options :

1. ✘ Direction of prevailing storm
2. ✔ Atmospheric humidity
3. ✘ Type of precipitation
4. ✘ Rain intensity

Question Number : 70 Question Id : 6364313550 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Maximum surface runoff is favored due to

Options :

1. ✔ A flash storm
2. ✘ Leaf shaped catchment
3. ✘ Improved land management
4. ✘ Presence of forest area

Question Number : 71 Question Id : 6364313551 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The use of microorganism metabolism to remove pollutants such as oil spills in the water bodies is known as

Options :

1. ✘ Biomagnification
2. ✔ Bioremediation
3. ✘ Biomethanation
4. ✘ Bioreduction

Question Number : 72 Question Id : 6364313552 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Water stored in a reservoir below the minimum pool level is called

Options :

1. ✘ Valley storage
2. ✘ Bank storage
3. ✘ Surcharge storage
4. ✔ Dead storage

Question Number : 73 Question Id : 6364313553 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The maximum number of species among the Indian Fauna belongs to __

Options :

1. ✘ Mammals
2. ✘ Reptiles
3. ✘ Molluscs
4. ✔ Arthropods

Question Number : 74 Question Id : 6364313554 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Hydraulic conductivity of soils varies directly with

Options :

1. ✘ Capillary porosity
2. ✔ Total porosity
3. ✘ Non Capillary porosity

4. ✘ Water holding capacity

Question Number : 75 Question Id : 6364313555 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Safe yield of an aquifer is the rate at which groundwater can be withdrawn without causing

Options :

1. ✘ Sand entering the well
2. ✘ Overload of the pumping machine
3. ✔ Long-term decline of the piezometric surface
4. ✘ Quick decline of the piezometric surface

Question Number : 76 Question Id : 6364313556 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Rainfall mass curve shows the variations of

Options :

1. ✘ Rainfall intensity with time
2. ✘ Rainfall intensity with cumulative rainfall

3. ✘ Rainfall excess with time

4. ✔ Cumulative rainfall with time

Question Number : 77 Question Id : 6364313557 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Average yield from standard tube wells is in the order of

Options :

1. ✘ 5L/s

2. ✔ 50L/s

3. ✘ 500L/s

4. ✘ 5000L/s

Question Number : 78 Question Id : 6364313558 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Relation between transmissibility(T) and permeability (K) of an aquifer of depth 'd' is,

Options :

1. ✘ $K=Td$

2. ✓ $T=Kd$

3. ✗ $T=K.logd$

4. ✗ $T=In(Kd)$

Question Number : 79 Question Id : 6364313559 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Increase in concentration of heavy metals along the food chain is called

Options :

1. ✗ Biological magnification

2. ✓ Biological accumulation

3. ✗ Chemical magnification

4. ✗ Chemical accumulation

Question Number : 80 Question Id : 6364313560 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Discharge per unit drawdown of a well is called

Options :

1. ✘ Specific yield
2. ✘ Specific retention
3. ✔ Specific capacity
4. ✘ Specific storage

Question Number : 81 Question Id : 6364313561 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Most recent Satellite launched by ISRO on February 28, 2021 is

Options :

1. ✘ Gisat-1
2. ✔ Amazonia-1
3. ✘ Risat-2br1
4. ✘ Cartosat- 3

Question Number : 82 Question Id : 6364313562 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Specific capacity of a well

Options :

1. ✘ Decreases with diameter
2. ✔ Decreases with time from the start of pumping
3. ✘ Increases with discharge rate
4. ✘ Increases with time from the start of pumping

Question Number : 83 Question Id : 6364313563 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A desert surface covered with closely packed, interlocking angular or rounded rock fragments of pebble and cobble size is called

Options :

1. ✘ Wadi
2. ✘ Outlier
3. ✔ Serir
4. ✘ Moraine

Question Number : 84 Question Id : 6364313564 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Isohyets are

Options :

1. ✘ Areas of equal precipitation
2. ✔ Lines of equal precipitation on maps
3. ✘ Lines of equal temperature on maps
4. ✘ Lines of equal barometric pressure on maps

Question Number : 85 Question Id : 6364313565 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Convective storm rainfall is caused by

Options :

1. ✘ Sudden barometric drops
2. ✘ Gradual barometric drop
3. ✔ Thermal or orographic convection
4. ✘ Isolated barometric fall in area

Question Number : 86 Question Id : 6364313566 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Gravimetric methods of investigation involve

Options :

1. ✘ Chemical analysis of rocks
2. ✘ Measurement of specific gravity
3. ✔ Forces of gravity
4. ✘ Forces of pressure

Question Number : 87 Question Id : 6364313567 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The zone of medium earthquake intensity in India exists in

Options :

1. ✘ Southern parts
2. ✘ Along Vindhya mountain range
3. ✔ Indogangetic plains
4. ✘ Deccan plateau

Question Number : 88 Question Id : 6364313568 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The artificial recharge technique 'Ditch and furrow system' is an example of

Options :

1. ✘ Direct sub surface techniques
2. ✔ Direct surface techniques
3. ✘ Combination surface – sub-surface techniques
4. ✘ Indirect Techniques

Question Number : 89 Question Id : 6364313569 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

If the sub-soil formation is of fine sand, the rough value of the specific yield of well per unit area of the well (K/A) given by Marriot is

Options :

1. ✘ 0.25
2. ✘ 0.75
3. ✔ 0.50

4. ✘ 1.00

Question Number : 90 Question Id : 6364313570 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Most dangerous hydrocarbon found in the automobile exhaust are

Options :

1. ✘ Methanes

2. ✘ Alkynes

3. ✘ Ketones

4. ✔ Olefins

Question Number : 91 Question Id : 6364313571 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following air pollutants is/are responsible for photochemical smog

Options :

1. ✘ Oxides of Nitrogen

2. ✔ Ozone

3. ✘ Unburnt hydrocarbons

4. ✘ Carbon monoxide

Question Number : 92 Question Id : 6364313572 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is range of ozonosphere in atmosphere

Options :

1. ✘ Troposphere to Stratosphere
2. ✘ Tropopause to Stratopause
3. ✘ Tropopause to Mesosphere
4. ✔ Stratosphere to Mesosphere

Question Number : 93 Question Id : 6364313573 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The Pollutant Standard Index (PSI) value in between 101- 199 denotes the air quality as

Options :

1. ✘ Good
2. ✘ Moderate

3. ✓ Unhealth

4. ✗ Hazardous

Question Number : 94 Question Id : 6364313574 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Electrostatic precipitators are used as pollution control device for the separation of

Options :

1. ✗ SO₂

2. ✗ Hydrocarbon

3. ✓ Particulate matter

4. ✗ NO_x

Question Number : 95 Question Id : 6364313575 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Coal based thermal power stations pollute the atmosphere by adding

Options :

1. ✗ NO_x and SO₂

2. ✘ NO_x, SO₂ and SPM
3. ✔ NO_x, SO₂, SPM and CO₂
4. ✘ NO_x, SPM and CO

Question Number : 96 Question Id : 6364313576 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Natural mineral contaminant in water is

Options :

1. ✘ Calcium
2. ✘ Iron
3. ✔ Fluorine
4. ✘ Sodium

Question Number : 97 Question Id : 6364313577 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The process of removal or destruction of pathogenic organisms in water supplies is known as

Options :

1. ✘ Oxidation
2. ✘ Ozonisation
3. ✘ Reduction
4. ✔ Disinfection

Question Number : 98 Question Id : 6364313578 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Bacteria which use CO₂ as a source of carbon are known as

Options :

1. ✔ Autotrophic
2. ✘ Heterotopic
3. ✘ Aerobic
4. ✘ Anaerobic

Question Number : 99 Question Id : 6364313579 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The operation used for the removal of soluble non-biodegradable organics is

Options :

1. ✘ Activated sludge reactor
2. ✔ Activated carbon absorber
3. ✘ Neutralization
4. ✘ Chlorination

Question Number : 100 Question Id : 6364313580 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following disease is not considered to be water borne?

Options :

1. ✔ Small pox
2. ✘ Typhoid
3. ✘ Bacillary dysentery
4. ✘ Paratyphoid

Question Number : 101 Question Id : 6364313581 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Colloidal and dissolved matter is converted into settleable solids by

Options :

1. ✘ Chemical reaction
2. ✔ Biological growth
3. ✘ Oxidation
4. ✘ Aeration

Question Number : 102 Question Id : 6364313582 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The waves used by artificial satellites for communication is

Options :

1. ✘ Infrared waves
2. ✔ Microwaves
3. ✘ Radio waves
4. ✘ X rays

Question Number : 103 Question Id : 6364313583 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is

Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The proportion of colouring contents of water is cannot be reduced by

Options :

1. ✘ Coagulation
2. ✘ Settling
3. ✘ Rapid sand filtration
4. ✔ Floatation

Question Number : 104 Question Id : 6364313584 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Objectionable tastes and odours cannot be removed from water by

Options :

1. ✘ Chlorine-ammonia treatment
2. ✘ Aeration
3. ✘ Coagulation
4. ✔ Settling

Question Number : 105 Question Id : 6364313585 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The nitrate concentration in domestic water supplies is generally limited to

Options :

1. ✘ 10ppm
2. ✘ 15ppm
3. ✘ 25ppm
4. ✔ 45ppm

Question Number : 106 Question Id : 6364313586 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Bacteria which can survive with or without free oxygen, are known as

Options :

1. ✘ Aerobic bacteria
2. ✘ Anaerobic bacteria
3. ✔ Facultative bacteria
4. ✘ Zariaspa

Question Number : 107 Question Id : 6364313587 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In normal conditions the period of sludge digestion is

Options :

1. ✘ 10 days
2. ✘ 20 days
3. ✔ 30 days
4. ✘ 90 days

Question Number : 108 Question Id : 6364313588 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which one of the following organism is responsible for enteric fever?

Options :

1. ✘ ECHO
2. ✔ Salmonella typhi
3. ✘ Entamoeba histolytica
4. ✘ Echinococcus

Question Number : 109 Question Id : 6364313589 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which one of the following tests of water/wastewater employs Eriochrome Black T as an indicator

Options :

1. ✓ Hardness
2. ✗ COD
3. ✗ DO
4. ✗ Residual chlorine

Question Number : 110 Question Id : 6364313590 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

What is the predominating coagulation mechanism for raw water having high turbidity and alkalinity

Options :

1. ✗ Ionic layer compression
2. ✓ Adsorption and charge neutralization
3. ✗ Sweep coagulation

4. ✘ Inter-particle bridging

Question Number : 111 Question Id : 6364313591 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Presence of higher algal content in water indicates that the water is

Options :

1. ✘ Hard

2. ✘ Soft

3. ✘ Acidic

4. ✔ Alkaline

Question Number : 112 Question Id : 6364313592 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The causative organism for jaundice is

Options :

1. ✘ Escherichia coli

2. ✔ Viruses

3. ✘ Salmonella typhi

4. ✘ Poliomyelitis

Question Number : 113 Question Id : 6364313593 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The graphical representation of energy in an ecosystem is

Options :

1. ✘ Food chain
2. ✘ Trophic levels
3. ✔ Ecological pyramid
4. ✘ Ecological niche

Question Number : 114 Question Id : 6364313594 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Copperas is the commercial name for

Options :

1. ✘ Aluminium sulphate
2. ✔ Ferrous sulphate

3. ✘ Ferric sulphate

4. ✘ Copper sulphate

Question Number : 115 Question Id : 6364313595 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Generation time of *E.coli* is

Options :

1. ✘ 20 seconds

2. ✔ 20 minutes

3. ✘ 20 hours

4. ✘ 200 minutes

Question Number : 116 Question Id : 6364313596 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The largest source of anthropogenic methane emissions is

Options :

1. ✔ Agriculture

2. ✘ Energy sector

3. ✘ Landfills

4. ✘ Sewage treatment plants

Question Number : 117 Question Id : 6364313597 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which of the following is not a feature of the Eutrophic lakes

Options :

1. ✘ They are generally occupied by blooms

2. ✘ They have high plant nutrient flux

3. ✔ They have low primary productivity

4. ✘ They are dominated by blue green algae

Question Number : 118 Question Id : 6364313598 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Which among the following crops would enrich the Nitrogen content in the soil

Options :

1. ✘ Potato

2. ✘ Sorghum

3. ✘ Sunflower

4. ✔ Pea

Question Number : 119 Question Id : 6364313599 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Emphysema is a

Options :

1. ✘ Heart disease

2. ✘ Brain tumor

3. ✘ Renal disease

4. ✔ Respiratory disease

Question Number : 120 Question Id : 6364313600 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The main objective of tertiary treatment of sewage is to remove

Options :

1. ✘ Suspended particles
2. ✘ The BOD causing substances
3. ✔ Inorganic fragment such as the nitrogen and phosphorus
4. ✘ Organic contaminants