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 5th Aug 2022 Shift 1
Subject Name :	Environmental Management
Creation Date :	2022-08-05 13:44:34
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
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No

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Show Progress Bar :	No

Environmental Management

Group Number :	1
Group Id :	34058056
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
Examiner permission :	Cant View
Show Progress Bar? :	No

Mathematics

Section Id :	340580103
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
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	340580103

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Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 3405806601 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The number of real roots of $x^2 - 7|x| + 12 = 0$ is

Options :

34058026401. ✗ 1

34058026402. ✗ 2

34058026403. ✗ 3

34058026404. ✓ 4

Question Number : 2 Question Id : 3405806602 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

If α and β are the roots of $x^2 + ax + 1 = 0$, then $\frac{\alpha}{\beta} + \frac{\beta}{\alpha} + 2 =$

Options :

34058026405. ✗ a

34058026406. ✓ a^2

34058026407. ✗ a^3

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34058026408. ✖ a^4

Question Number : 3 Question Id : 3405806603 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

$$\sum_{j=0}^{\infty} \frac{(-1)^j 3^j}{4^{j+1}} =$$

Options :

34058026409. ✖ 7

34058026410. ✖ $\frac{1}{21}$

34058026411. ✔ $\frac{1}{7}$

34058026412. ✖ $\frac{1}{14}$

Question Number : 4 Question Id : 3405806604 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The number of diagonals of a regular n-gon is 65. Then n =

Options :

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34058026413. ✗ 11

34058026414. ✗ 12

34058026415. ✓ 13

34058026416. ✗ 14

Question Number : 5 Question Id : 3405806605 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

If the mean and median of a discrete data are respectively 14.5 and 14, then the mode is

Options :

34058026417. ✓ 13

34058026418. ✗ 14

34058026419. ✗ 14.1

34058026420. ✗ 14.3

Question Number : 6 Question Id : 3405806606 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

If the linear fit to the data (1, 2), (2, 5), (3, 10) and (4, 11) is $y = ax + b$, then b=

Options :

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34058026421. ✖ 2

34058026422. ✖ 1

34058026423. ✖ -2

34058026424. ✔ -1

Question Number : 7 Question Id : 3405806607 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Coefficient of correlation of the data (1,2), (2, 4), (5, 10), (3, 6), (4, 8) is

Options :

34058026425. ✖ $\frac{1}{3}$

34058026426. ✖ $\frac{1}{2}$

34058026427. ✔ 1

34058026428. ✖ 0.9

Question Number : 8 Question Id : 3405806608 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

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$$\frac{1}{\sqrt{2}}+\frac{1}{\sqrt{6}}+\frac{1}{3\sqrt{2}}+\frac{1}{3\sqrt{6}}+\frac{1}{9\sqrt{2}}+.....\infty =$$

Options :

34058026429. ✖ $6-\sqrt{6}$

34058026430. ✖ $6+\sqrt{6}$

34058026431. ✔ $3+\sqrt{6}$

34058026432. ✖ $3-\sqrt{6}$

Question Number : 9 Question Id : 3405806609 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

If $\tan 30^{o}$ and $\tan 15^{o}$ are the roots of the equation $x^{2}+ax+b=0$, then $a-b=$

Options :

34058026433. ✖ 1

34058026434. ✔ -1

34058026435. ✖ 2

34058026436. ✖ 0

Question Number : 10 Question Id : 3405806610 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time

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: N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The number of positive divisors of 360 is

Options :

34058026437. ✓ 24

34058026438. ✗ 30

34058026439. ✗ 36

34058026440. ✗ 12

Environmental Management

Section Id :	340580104
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
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	340580104
Question Shuffling Allowed :	Yes

Question Number : 11 Question Id : 3405806611 Question Type : MCQ Option Shuffling : Yes

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Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The coldest region of the atmosphere

Options :

34058026441. ✗ Troposphere

34058026442. ✗ Thermosphere

34058026443. ✗ Stratosphere

34058026444. ✓ Mesosphere

Question Number : 12 Question Id : 3405806612 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Plant species with a wide range of genetic distribution evolve into a local population known as

Options :

34058026445. ✗ Ecotype

34058026446. ✓ Population

34058026447. ✗ Ecosystem

34058026448. ✗ Biome

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Question Number : 13 Question Id : 3405806613 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Which of the following pollutants can be degraded by natural process

Options :

34058026449. ✗ Heavy metals

34058026450. ✗ DDT

34058026451. ✗ Nuclear waste

34058026452. ✓ Biodegradable organics

Question Number : 14 Question Id : 3405806614 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Photochemical smog normally does not contain

Options :

34058026453. ✓ Chloroflurocarbons

34058026454. ✗ Peroxyacetyl nitrate

34058026455. ✗ Ozone

34058026456. ✗ Acrolein

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Question Number : 15 Question Id : 3405806615 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Which is the renewable exhaustible natural energy resource

Options :

34058026457. ✖ Coal

34058026458. ✖ Petroleum

34058026459. ✖ Kerosene

34058026460. ✔ Biomass

Question Number : 16 Question Id : 3405806616 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Which of the following requires maximum energy

Options :

34058026461. ✖ Secondary consumer

34058026462. ✖ Decomposer

34058026463. ✖ Primary consumer

34058026464. ✔ Primary producer

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Question Number : 17 Question Id : 3405806617 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The ratio between energy flow at different points in a food chain is known as

Options :

34058026465. ✗ Ecological capacity

34058026466. ✓ Ecological efficiency

34058026467. ✗ Ecological assimilation

34058026468. ✗ Ecological potential

Question Number : 18 Question Id : 3405806618 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

In an ecosystem, the energy flow is always

Options :

34058026469. ✓ Unidirectional

34058026470. ✗ Bi – directional

34058026471. ✗ In any direction

34058026472. ✗ Down directional

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Question Number : 19 Question Id : 3405806619 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Select a non-denitrifying bacteria

Options :

34058026473. ✗ Pseudomonas aeruginosa

34058026474. ✗ Thiobacillus

34058026475. ✗ Thiobacillus denitrificans

34058026476. ✓ Bacillus ramosus

Question Number : 20 Question Id : 3405806620 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The upper part of an aquatic ecosystem contains

Options :

34058026477. ✗ Nekton

34058026478. ✓ Plankton

34058026479. ✗ Benthos

34058026480. ✗ Nekton and Plankton

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Question Number : 21 Question Id : 3405806621 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Most stable ecosystem is

Options :

34058026481. ✗ Mountain

34058026482. ✗ forest

34058026483. ✗ Desert

34058026484. ✓ Ocean

Question Number : 22 Question Id : 3405806622 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The loss in biodiversity is not attributed to

Options :

34058026485. ✗ Transforming earth's surface

34058026486. ✗ Explosion in the human population

34058026487. ✗ Destruction of natural habitats

34058026488. ✓ Use of sustainable products

Question Number : 23 Question Id : 3405806623 Question Type : MCQ Option Shuffling : Yes

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Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The interdependence of the living organisms among themselves and with environment is called

Options :

34058026489. ✗ Ecology

34058026490. ✓ Ecosystem

34058026491. ✗ Biology

34058026492. ✗ Environment

Question Number : 24 Question Id : 3405806624 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Which is the in-situ tiger reserve of India

Options :

34058026493. ✓ Dudhwa

34058026494. ✗ Gulf of Myanmar

34058026495. ✗ Western Ghats

34058026496. ✗ Agasthyamalai

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Question Number : 25 Question Id : 3405806625 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Eating the fish from a mercury contaminated lake will cause _____ disease

Options :

34058026497. ✖ Fever

34058026498. ✔ Minamata disease

34058026499. ✖ Cancer

34058026500. ✖ Osteosclerosis

Question Number : 26 Question Id : 3405806626 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Which of the pollutant will enhance the Eutrophication

Options :

34058026501. ✖ Organic carbon

34058026502. ✖ Pesticides

34058026503. ✔ Nutrients

34058026504. ✖ inorganic carbon

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Question Number : 27 Question Id : 3405806627 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

How many number of Biogeographic zones are present in India

Options :

34058026505. ✖ 4

34058026506. ✖ 8

34058026507. ✔ 10

34058026508. ✖ 15

Question Number : 28 Question Id : 3405806628 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

_____ in India are known as hotspot of biodiversity

Options :

34058026509. ✖ Sunderbans Deltas

34058026510. ✔ Western Ghats

34058026511. ✖ Eastern Ghats

34058026512. ✖ Gangetic plan

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Question Number : 29 Question Id : 3405806629 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Which is the first Indian state to sign an MoU with IUCN to prepare a red-list assessment of Orchids

Options :

34058026513. ✗ Sikkim

34058026514. ✗ West Bengal

34058026515. ✗ Assam

34058026516. ✓ Arunachal Pradesh

Question Number : 30 Question Id : 3405806630 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

In stabilization ponds, the ineffective biological agent is

Options :

34058026517. ✗ Green algae

34058026518. ✗ Protozoans

34058026519. ✗ Fungi

34058026520. ✓ Virus

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Question Number : 31 Question Id : 3405806631 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Biotic component of the environment doesn't include

Options :

34058026521. ✔ Soil System

34058026522. ✘ Animal System

34058026523. ✘ Plant system

34058026524. ✘ Microorganism system

Question Number : 32 Question Id : 3405806632 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

What is IUCN

Options :

34058026525. ✘ Internal Union Council for Natural gas

34058026526. ✘ Internal United Council of Nations

34058026527. ✘ International Union Council for Nature

34058026528. ✔ International Union for Conservation of Nature

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Question Number : 33 Question Id : 3405806633 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The Scientific study of biological communities is called

Options :

34058026529. ✗ Demography

34058026530. ✗ Taxonomy

34058026531. ✗ Zoology

34058026532. ✓ Community ecology

Question Number : 34 Question Id : 3405806634 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

In environmental management plans, higher conversation values are placed on

Options :

34058026533. ✗ Exotic biodiversity

34058026534. ✗ Invasive biodiversity

34058026535. ✓ Sacred biodiversity

34058026536. ✗ Local biodiversity

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Question Number : 35 Question Id : 3405806635 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The largest source of anthropogenic methane emissions is

Options :

34058026537. ✓ Agriculture

34058026538. ✗ Energy sector

34058026539. ✗ Landfills

34058026540. ✗ Sewage treatment plants

Question Number : 36 Question Id : 3405806636 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The short term properties of atmosphere at a given place and time is referred as

Options :

34058026541. ✗ Season

34058026542. ✗ Climate

34058026543. ✓ Weather

34058026544. ✗ Microclimate

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Question Number : 37 Question Id : 3405806637 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The most important type of species involved in the degradation of organic matter in the case of Biological Treatment Processes is

Options :

34058026545. ✔ Chemoheterotrophs

34058026546. ✘ Photo-heterotrophs

34058026547. ✘ Photoautotrophs

34058026548. ✘ Chemo-autotrophs

Question Number : 38 Question Id : 3405806638 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Growth of mesophiles are mostly favorable in temperature range

Options :

34058026549. ✘ 0° - 20° C

34058026550. ✘ 40° - 80° C

34058026551. ✔ 20° - 40° C

34058026552. ✘ 65° - 105° C

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Question Number : 39 Question Id : 3405806639 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Substrate dependent rate of growth is typically modeled using

Options :

34058026553. ✗ First order kinetics

34058026554. ✗ Zero order kinetics

34058026555. ✓ Monod kinetics

34058026556. ✗ Second order

Question Number : 40 Question Id : 3405806640 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Which one of the following relations holds true for the specific growth rate (μ) of a microorganism in the stationary phase

Options :

34058026557. ✓ $\mu = 0$

34058026558. ✗ $\mu = \mu_{max}$

34058026559. ✗ $\mu < 0$

34058026560. ✗ $0 < \mu < \mu max$

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Question Number : 41 Question Id : 3405806641 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Which class of micro-organisms are most active in anaerobic digestion of sludge

Options :

34058026561. ✗ Mesophiles and psychrophiles

34058026562. ✗ Thermophiles and psychrophiles

34058026563. ✓ Thermophiles and mesophiles

34058026564. ✗ Halophiles and mesophiles

Question Number : 42 Question Id : 3405806642 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The correct sequence in anaerobic treatment process is

Options :

34058026565. ✗ Acidogenesis→Acetogenesis→Methanogenesis→ Hydrolysis

34058026566. ✗ Hydrolysis→Acetogenesis→Acidogenesis→Methanogenesis

34058026567. ✓ Hydrolysis →Acidogenesis→Acetogenesis→Methanogenesis

34058026568. ✗ Acetogenesis→Acidogenesis→Methanogenesis→ Hydrolysis

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Question Number : 43 Question Id : 3405806643 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The settling velocity of a spherical particle in still water is given by

Options :

34058026569. ✗ Lacey's formula

34058026570. ✗ Hazen William's formula

34058026571. ✗ Darcy's law

34058026572. ✓ Stoke's law

Question Number : 44 Question Id : 3405806644 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

All of the following species are considered coliforms except

Options :

34058026573. ✗ Enterobacter aerogenes

34058026574. ✓ Klebsiella pneumonia

34058026575. ✗ Salmonella typhi

34058026576. ✗ Escherichia coli

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Question Number : 45 Question Id : 3405806645 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Algae can be very beneficial, but they cause a problem when they remove

Options :

34058026577. ✓ Iron

34058026578. ✗ Nitrates

34058026579. ✗ Ammonium

34058026580. ✗ Phosphorous

Question Number : 46 Question Id : 3405806646 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Which source of the water, among the following is not a surface source

Options :

34058026581. ✗ River

34058026582. ✗ Lake

34058026583. ✗ Sea

34058026584. ✓ Well

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Question Number : 47 Question Id : 3405806647 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Which one of the following would contain water with the maximum amount of turbidity

Options :

34058026585. ✗ Open well

34058026586. ✗ Lake

34058026587. ✓ River

34058026588. ✗ Sea

Question Number : 48 Question Id : 3405806648 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Groundwater is

Options :

34058026589. ✓ Free from suspended solids but contain dissolved solids

34058026590. ✗ Free from harmful bacteria but may contain harmless bacteria

34058026591. ✗ Free from floating impurities but may have suspended solids

34058026592. ✗ Free from dissolved solids but may have colloidal solids

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Question Number : 49 Question Id : 3405806649 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

A deep well

Options :

34058026593. ✗ Easily gets dried up during summer

34058026594. ✓ May yield constant discharge

34058026595. ✗ Is not deeper than shallow well

34058026596. ✗ Is formed by tapping the nearest aquifer to the ground

Question Number : 50 Question Id : 3405806650 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Water is said to be contaminated, if it contains

Options :

34058026597. ✓ Pathogens

34058026598. ✗ Undesirable suspended solids

34058026599. ✗ Dissolved solids

34058026600. ✗ None of the above

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Question Number : 51 Question Id : 3405806651 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Coagulation-flocculation with alum is performed

Options :

34058026601. ✗ Immediately before chlorination

34058026602. ✗ Immediately after chlorination

34058026603. ✗ After rapid sand filtration

34058026604. ✓ Before rapid sand filtration

Question Number : 52 Question Id : 3405806652 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The average domestic consumption under normal conditions in an Indian city per day per person is

Options :

34058026605. ✗ 165 litres

34058026606. ✗ 115 litres

34058026607. ✗ 125 litres

34058026608. ✓ 135 litres

ZOLLEGE.in

Question Number : 53 Question Id : 3405806653 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

What driving force keeps the nitrogen cycle moving

Options :

34058026609. ✓ Ammonia and bacteria

34058026610. ✗ Solar radiation

34058026611. ✗ Atmospheric water

34058026612. ✗ Soil biota

Question Number : 54 Question Id : 3405806654 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Coagulants used in water treatment function better when the raw water is

Options :

34058026613. ✗ Acidic

34058026614. ✓ Alkaline

34058026615. ✗ Neutral

34058026616. ✗ Acidic and Neutral

Question Number : 55 Question Id : 3405806655 Question Type : MCQ Option Shuffling : Yes

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Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Cleaning of slow sand filters is done by

Options :

34058026617. ✓ Scraping and removal of sand

34058026618. ✗ Back washing

34058026619. ✗ Disinfection with chlorine

34058026620. ✗ Water jets

Question Number : 56 Question Id : 3405806656 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Rapid sand filter

Options :

34058026621. ✓ Should be preceded by coagulation and sedimentation

34058026622. ✗ Can remove dissolved organic substances also

34058026623. ✗ Is used after slow sand filtration

34058026624. ✗ Can combine disinfection also

Question Number : 57 Question Id : 3405806657 Question Type : MCQ Option Shuffling : Yes

ZOLLEGE.in

Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The Kjeldahl method is used for the quantitative determination of

Options :

34058026625. ✗ Carbon monoxide

34058026626. ✓ Nitrogen

34058026627. ✗ Phosphates

34058026628. ✗ Suspended particulates

Question Number : 58 Question Id : 3405806658 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

If the chlorine fed and chlorine demand of water is 1.5mg/l and 1.3mg/l respectively, the residual chlorine in g/m^3 is

Options :

34058026629. ✓ 0.2

34058026630. ✗ 20

34058026631. ✗ 2

34058026632. ✗ 0.02

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Question Number : 59 Question Id : 3405806659 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Slow sand filter is efficient to remove the bacteria from the raw water to an extent of

Options :

34058026633. ✖ 50%

34058026634. ✖ 70%

34058026635. ✖ 85%

34058026636. ✔ 99%

Question Number : 60 Question Id : 3405806660 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Odour and taste is controlled by

Options :

34058026637. ✖ Disinfection

34058026638. ✔ Aeration

34058026639. ✖ Coagulation

34058026640. ✖ Soda-lime process

Question Number : 61 Question Id : 3405806661 Question Type : MCQ Option Shuffling : Yes

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Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Which among the following is NOT a secondary pollutant

Options :

34058026641. ✓ Oxides of Nitrogen

34058026642. ✗ Ozone

34058026643. ✗ Peroxyacetyl nitrate

34058026644. ✗ Nitric acid

Question Number : 62 Question Id : 3405806662 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The rate limiting step for the production of biogas from an anaerobic digestion of sludge is

Options :

34058026645. ✗ Acidification

34058026646. ✗ Alkalisation

34058026647. ✗ Acetogenesis

34058026648. ✓ Methanogenesis

ZOLLEGE.in

Question Number : 63 Question Id : 3405806663 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

If DO concentration falls down to zero in any natural drainage, it indicates

Options :

34058026649. ✗ Zone of degradation

34058026650. ✓ Zone of active decomposition

34058026651. ✗ Zone of recovery

34058026652. ✗ Zone of cleaner water

Question Number : 64 Question Id : 3405806664 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The end products of Aerobic treatment of wastewater contains

Options :

34058026653. ✓ Carbon dioxide and water

34058026654. ✗ Methane

34058026655. ✗ Alcohol

34058026656. ✗ Hydrogen sulfide

ZOLLEGE.in

Question Number : 65 Question Id : 3405806665 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Volcanic eruption driven by the heat from magma interacting with water is called

Options :

34058026657. ✗ Phreatomagmatic eruption

34058026658. ✓ Phreatic eruption

34058026659. ✗ Hydrothermal eruption

34058026660. ✗ Sial eruption

Question Number : 66 Question Id : 3405806666 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The self-purification of streams can be modelled using

Options :

34058026661. ✗ Darcy's law

34058026662. ✗ Hazen Williams model

34058026663. ✓ Streeter Phelps model

34058026664. ✗ Stokes law

ZOLLEGE.in

Question Number : 67 Question Id : 3405806667 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Trickling filters are used to remove

Options :

34058026665. ✗ Suspended solids

34058026666. ✗ Colloidal solids

34058026667. ✓ Organic matter

34058026668. ✗ Pathogenic bacteria

Question Number : 68 Question Id : 3405806668 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Geologic processes powered by the wind are called _____ processes

Options :

34058026669. ✗ Barchan

34058026670. ✗ Yardang

34058026671. ✗ Coriolis

34058026672. ✓ Eolian

ZOLLEGE.in

Question Number : 69 Question Id : 3405806669 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Rotating biological contacting reactor is a

Options :

34058026673. ✗ Suspended growth system

34058026674. ✓ Attached growth system

34058026675. ✗ Suspended cum attached growth system

34058026676. ✗ Suspended sink system

Question Number : 70 Question Id : 3405806670 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Sewage treatment in an oxidation pond is accomplished primarily by

Options :

34058026677. ✓ Algal-bacterial symbiosis

34058026678. ✗ Algal photosynthesis only

34058026679. ✗ Bacterial oxidation only

34058026680. ✗ Chemical oxidation only

ZOLLEGE.in

Question Number : 71 Question Id : 3405806671 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The presence of free ammonia in sewage is detected by

Options :

34058026681. ✓ Boiling

34058026682. ✗ Adding potassium permanganate

34058026683. ✗ Adding sulphuric acid

34058026684. ✗ Phenol di-sulphuric acid

Question Number : 72 Question Id : 3405806672 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

De-chlorination is followed by

Options :

34058026685. ✗ Post-chlorination

34058026686. ✗ Pre-chlorination

34058026687. ✗ Double chlorination

34058026688. ✓ Super chlorination

ZOLLEGE.in

Question Number : 73 Question Id : 3405806673 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The dominating microorganisms in an activated sludge process reactor are

Options :

34058026689. ✓ Aerobic heterotrophs

34058026690. ✗ Anaerobic heterotrophs

34058026691. ✗ Autotrophs

34058026692. ✗ Phototrophs

Question Number : 74 Question Id : 3405806674 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The main objective of tertiary treatment of sewage is to remove

Options :

34058026693. ✗ Suspended particles

34058026694. ✗ The BOD causing substances

34058026695. ✓ Inorganic fragment such as the nitrogen and phosphorus

34058026696. ✗ Organic contaminants

ZOLLEGE.in

Question Number : 75 Question Id : 3405806675 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The aerobic method of composting as practiced in India is called as

Options :

34058026697. ✗ Bangalore method

34058026698. ✗ Mangalore method

34058026699. ✓ Indore method

34058026700. ✗ Nagpur method

Question Number : 76 Question Id : 3405806676 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Presence of nitrogen in a wastewater sample is due to the decomposition of

Options :

34058026701. ✗ Carbohydrates

34058026702. ✓ Proteins

34058026703. ✗ Fats

34058026704. ✗ Vitamins

ZOLLEGE.in

Question Number : 77 Question Id : 3405806677 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The method of refuse disposal involving burial in trenches is called as

Options :

34058026705. ✗ Incineration

34058026706. ✗ Pulverization

34058026707. ✗ Land filling

34058026708. ✓ Composting

Question Number : 78 Question Id : 3405806678 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Leachate is a colored liquid that comes out of

Options :

34058026709. ✗ Septic tanks

34058026710. ✓ Sanitary land fills

34058026711. ✗ Aerated lagoons

34058026712. ✗ Compost plants

ZOLLEGE.in

Question Number : 79 Question Id : 3405806679 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Non disposal of solid waste may cause the spread of

Options :

34058026713. ✗ Malaria

34058026714. ✓ Rodent related deceases

34058026715. ✗ Typhoid

34058026716. ✗ Dysentery

Question Number : 80 Question Id : 3405806680 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The quantity of refuse produced in an average Indian city or a town is of the order of

Options :

34058026717. ✗ 1.0-2.0 kg per capita per day

34058026718. ✗ 2.-5.0 kg per capita per day

34058026719. ✓ 0.5-0.8 kg per capita per day

34058026720. ✗ 5.0-6.0 kg per capita per day

ZOLLEGE.in

Question Number : 81 Question Id : 3405806681 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The ratio of Flow through periods to detention period in a sedimentation tank is called

Options :

34058026721. ✗ Surface loading

34058026722. ✗ Settling velocity

34058026723. ✗ Overflow rate

34058026724. ✓ Displacement efficiency

Question Number : 82 Question Id : 3405806682 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The description of solid waste collected is as follows

Night Soil: 25 t Debris: 10 t Rubbish: 12 t Garbage: 15 t

The organic solids in the above composition

Options :

34058026725. ✗ 35 t

34058026726. ✗ 22t

34058026727. ✗ 27t

34058026728. ✓ 40t

ZOLLEGE.in

Question Number : 83 Question Id : 3405806683 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The tem refuse generally does not include

Options :

34058026729. ✗ Putrescible solid waste

34058026730. ✗ Excreta

34058026731. ✗ Non putrescible solid waste

34058026732. ✓ Ashes

Question Number : 84 Question Id : 3405806684 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Acid rain is caused by oxides of _____

Options :

34058026733. ✗ Phosphorus and carbon

34058026734. ✓ Sulphur and Nitrogen

34058026735. ✗ Sulphur and Phosphorus

34058026736. ✗ Nitrogen and carbon

ZOLLEGE.in

Question Number : 85 Question Id : 3405806685 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The build-up of _____ is known as 'Greenhouse effect' in the atmosphere which leads to global warming.

Options :

34058026737. ✖ Chlorine

34058026738. ✖ Sulphur dioxide

34058026739. ✖ Fluorine

34058026740. ✔ Carbon dioxide

Question Number : 86 Question Id : 3405806686 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The lens used in aerial photogrammetry has a maximum coverage capacity of

____ (in angles)

Options :

34058026741. ✖ 53^0

34058026742. ✖ 63^0

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34058026743. ✓ 93^0

34058026744. ✗ 98^0

Question Number : 87 Question Id : 3405806687 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Rating curve can be used for

Options :

34058026745. ✗ Reflecting signal

34058026746. ✗ Determining strength of signal

34058026747. ✗ Polarization of signal

34058026748. ✓ Stage measurements

Question Number : 88 Question Id : 3405806688 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

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

Options :

34058026749. ✗ Evaporation pull

34058026750. ✗ Active transport pull

ZOLLEGE.in

34058026751. ✗ Ionic pull

34058026752. ✓ Transpiration pull

Question Number : 89 Question Id : 3405806689 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Sulphur dioxide is contributed to the atmosphere mainly from

Options :

34058026753. ✗ Automobile exhausts

34058026754. ✓ Thermal power plants

34058026755. ✗ Incineration units

34058026756. ✗ Mining

Question Number : 90 Question Id : 3405806690 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The following device works based on the inertial force of the particle

Options :

34058026757. ✗ Fabric filter

34058026758. ✗ Electrostatic precipitator

ZOLLEGE.in

34058026759. ✓ Cyclone separator

34058026760. ✗ Gravitational settling chamber

Question Number : 91 Question Id : 3405806691 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The major photochemical oxidant is

Options :

34058026761. ✓ Ozone

34058026762. ✗ Hydrogen peroxide

34058026763. ✗ Chlorine

34058026764. ✗ Oxides of nitrogen

Question Number : 92 Question Id : 3405806692 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Ringelmann's scale is used to measure

Options :

34058026765. ✗ Concentration of oxides of nitrogen

34058026766. ✗ Concentration of oxides of sulphur

ZOLLEGE.in

34058026767. ✓ Smoke Density

34058026768. ✗ Smoke velocity

Question Number : 93 Question Id : 3405806693 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The most notorious pollutant responsible for metallic corrosion is

Options :

34058026769. ✓ SO_2

34058026770. ✗ NO_2

34058026771. ✗ Ozone

34058026772. ✗ CFC

Question Number : 94 Question Id : 3405806694 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The following method can be used to collect the particulate pollutants

Options :

34058026773. ✓ Impingement

34058026774. ✗ Freeze out sampling

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34058026775. ✗ Grab sampling

34058026776. ✗ Absorption in liquids

Question Number : 95 Question Id : 3405806695 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The amount of water stored in a river channel without any artificial storage is called

Options :

34058026777. ✗ Bank storage

34058026778. ✗ River storage

34058026779. ✓ Valley storage

34058026780. ✗ Dead storage

Question Number : 96 Question Id : 3405806696 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

A generic combination of many natural unit hydrographs is known as

Options :

34058026781. ✓ Dimensionless unit hydrograph

34058026782. ✗ Synthetic hydrograph

ZOLLEGE.in

34058026783. ✖ Natural hydrograph

34058026784. ✖ Dam Breach hydrograph

Question Number : 97 Question Id : 3405806697 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Hydraulic conductivity of soils varies directly with

Options :

34058026785. ✖ Capillary porosity

34058026786. ✔ Total porosity

34058026787. ✖ Non Capillary porosity

34058026788. ✖ Water holding capacity

Question Number : 98 Question Id : 3405806698 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Which one of the following helps to identify objects on the earth surface

Options :

34058026789. ✖ Atmospheric window

34058026790. ✔ Signature

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34058026791. ✗ Radiometric error

34058026792. ✗ Atmospheric window & Radiometric error

Question Number : 99 Question Id : 3405806699 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The waves used by artificial satellites for communication is

Options :

34058026793. ✗ Infrared waves

34058026794. ✓ Microwaves

34058026795. ✗ Radio waves

34058026796. ✗ X−rays

Question Number : 100 Question Id : 3405806700 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The pollutants try to enter through _____ and diffuse to the surface of the cells within the leaf causing damage

Options :

34058026797. ✗ Chloroplasts

34058026798. ✓ Stomata

ZOLLEGE.in

34058026799. ✖ Larynx

34058026800. ✖ Alveolus

Question Number : 101 Question Id : 3405806701 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The point on the celestial sphere vertically below the observer's point is

Options :

34058026801. ✖ Zenith

34058026802. ✖ Celestial point

34058026803. ✔ Nadir

34058026804. ✖ Pole

Question Number : 102 Question Id : 3405806702 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Wavelength region of 0.7 to 1.8 micrometre belongs to

Options :

34058026805. ✖ Thermal IR

34058026806. ✔ Near IR

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34058026807. ✖ Mid IR

34058026808. ✖ Close IR

Question Number : 103 Question Id : 3405806703 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Grothus–Draper law deals with

Options :

34058026809. ✖ Infra-red spectroscopy and near-infrared spectroscopy

34058026810. ✔ Principle of Photochemical Activation

34058026811. ✖ Zero gravity conditions

34058026812. ✖ Solubility of substances

Question Number : 104 Question Id : 3405806704 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Which law states that for every quantum of radiation that is absorbed, one molecule of the substance reacts

Options :

34058026813. ✖ Lambert's law

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34058026814. ✗ Beer's law

34058026815. ✓ Stark-Einstein

34058026816. ✗ Stark law

Question Number : 105 Question Id : 3405806705 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Spectral reflectance curve is the graph between

Options :

34058026817. ✗ Wavelength and radiation

34058026818. ✓ Wavelength and reflectance

34058026819. ✗ Radiation and reflectance

34058026820. ✗ Radiation

Question Number : 106 Question Id : 3405806706 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The atmospheric windows of visible region in micrometre is

Options :

34058026821. ✗ 0.4 to 0.5

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34058026822. ✗ 0.3 to 0.7

34058026823. ✓ 0.4 to 0.7

34058026824. ✗ 0.5 to 0.6

Question Number : 107 Question Id : 3405806707 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Which of the following types of control agents would be used to achieve sterility

Options :

34058026825. ✓ Sporicide

34058026826. ✗ Virucide

34058026827. ✗ Germicide

34058026828. ✗ Fungicide

Question Number : 108 Question Id : 3405806708 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Indian Satellite Based Augmentation System among the following

Options :

34058026829. ✓ GAGAN

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34058026830. ✖ WAAS

34058026831. ✖ EGNOS

34058026832. ✖ MSAS

Question Number : 109 Question Id : 3405806709 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Which of the following represents the passively drifting component of aquatic ecosystems

Options :

34058026833. ✖ Nekton

34058026834. ✖ Plankton and nekton

34058026835. ✔ Plankton

34058026836. ✖ Benthos

Question Number : 110 Question Id : 3405806710 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Which one of the following is third generation navigation satellite system

Options :

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34058026837. ✓ IRNSS

34058026838. ✗ GPS

34058026839. ✗ GLONASS

34058026840. ✗ PLSV

Question Number : 111 Question Id : 3405806711 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Radiometric resolution of Cartosat -1

Options :

34058026841. ✗ 2 bit

34058026842. ✗ 4 bit

34058026843. ✗ 8 bit

34058026844. ✓ 10 bit

Question Number : 112 Question Id : 3405806712 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Plant that thrives in shifting sands, primarily in deserts are called

Options :

34058026845. ✗ Heliophytes

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34058026846. ✗ Sciophytes

34058026847. ✓ Psammophytes

34058026848. ✗ Halophytes

Question Number : 113 Question Id : 3405806713 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Rocks are formed due to alternation of original structure due to heat and excessive pressure are called as

Options :

34058026849. ✗ Sedimentary rocks

34058026850. ✗ Igneous rocks

34058026851. ✓ Metamorphic rocks

34058026852. ✗ Volcanic rocks

Question Number : 114 Question Id : 3405806714 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

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

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Options :

34058026853. ✗ Cragie tube

34058026854. ✗ U-tube

34058026855. ✗ Drying tube

34058026856. ✓ Durham tube

Question Number : 115 Question Id : 3405806715 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

The rocks having alumina or clay as their major constituents are known as

Options :

34058026857. ✗ Silicous rocks

34058026858. ✓ Argillaceous rocks

34058026859. ✗ Calcareous rocks

34058026860. ✗ Sedimentary rocks

Question Number : 116 Question Id : 3405806716 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Spatial data represents

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Options :

34058026861. ✖ Characteristics of a feature

34058026862. ✔ Location

34058026863. ✖ Shape file

34058026864. ✖ Data Base

Question Number : 117 Question Id : 3405806717 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

Map showing details of administrative units are called

Options :

34058026865. ✖ Dot map

34058026866. ✖ Isarithmic map

34058026867. ✔ Choropleth map

34058026868. ✖ Dasymetric map

Question Number : 118 Question Id : 3405806718 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

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Which of the following is an example of Indicator microbial culture medium

Options :

34058026869. ✗ Lowenstein-Jensen media

34058026870. ✗ Egg-saline medium

34058026871. ✓ MacConkey agar

34058026872. ✗ Cary-Blair medium

Question Number : 119 Question Id : 3405806719 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0

A perched aquifer is essentially found within

Options :

34058026873. ✓ An unconfined aquifer

34058026874. ✗ A confined aquifer

34058026875. ✗ An aquiclude

34058026876. ✗ Agriculture

Question Number : 120 Question Id : 3405806720 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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Correct Marks : 1 Wrong Marks : 0

Water level in confined well

Options :

34058026877. ✖ Increases with increase in the atmospheric pressure

34058026878. ✔ Decreases with increase in the atmospheric pressure

34058026879. ✖ Does not undergo any change with change in atmospheric pressure

34058026880. ✖ Remain same

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