

Notations :

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

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General Forestry 1

Group Number :	1
Group Id :	23109825
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General Forestry 1

Section Id :	23109826
Section Number :	1
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Sub-Section Number:	1
Sub-Section Id:	23109831
Question Shuffling Allowed :	Yes

Who proposed the classification of organisms into three domains?

Options :

1. ✓ CR Woese, O Kandler and ML Wheelis
2. ✗ Ernst Haeckel
3. ✗ Ernst Mayr
4. ✗ Carl Linnaeus

Question Number : 2 Question Id : 2310983553 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Bamboos belong to which plant family?

Options :

1. ✗ Myrtaceae
2. ✗ Moraceae
3. ✓ Poaceae
4. ✗ Fabaceae

Question Number : 3 Question Id : 2310983554 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The International Code of Nomenclature for algae, fungi and plants adopted in the year 2017 is also known as:

Options :

1. ✓ Shenzhen Code
2. ✗ Melbourne Code
3. ✗ Vienna Code
4. ✗ Tokyo Code

Question Number : 4 Question Id : 2310983555 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Herbicides are used to kill:

Options :

1. ✗ fungi

2. ✖ insects

3. ✔ undesirable plants or weeds

4. ✖ bacteria

Question Number : 5 Question Id : 2310983556 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Rhizophora species are characteristic of which kind of forest type?

Options :

1. ✖ Grassland

2. ✖ Alpine forest

3. ✔ Mangrove

4. ✖ Tropical rainforest

Question Number : 6 Question Id : 2310983557 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Flowers that are pollinated by bees are known as:

Options :

1. ✖ Chiropterophily

2. ✔ Melittophily

3. ✖ Myophily

4. ✖ Ornithophily

Question Number : 7 Question Id : 2310983558 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The scientific name of Asian rice is:

Options :

1. ✔ *Oryza sativa*

2. ✖ *Oryza nivara*

3. ✖ *Oryza glaberrima*

4. ✖ *Oryza barthii*

Question Number : 8 Question Id : 2310983559 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Transgenic Golden Rice has been hailed as a practical solution to the deficiency of Vitamin _____.

Options :

1. ✓ A

2. ✗ E

3. ✗ D

4. ✗ C

Question Number : 9 Question Id : 2310983560 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Pusa Shymala, Pusa Purple Long, Pusa Purple Cluster are varieties of which vegetable?

Options :

1. ✓ Brinjal

2. ✗ Potato

3. ✗ Cabbage

4. ✗ Ladies finger

Question Number : 10 Question Id : 2310983561 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

How many agro-climatic zones are there in India?

Options :

1. ✗ 10

2. ✗ 13

3. ✓ 15

4. ✗ 20

Question Number : 11 Question Id : 2310983562 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Bromelain is an enzyme found in which fruit?

Options :

1. ✖ Banana
2. ✖ Coconut
3. ✖ Apple
4. ✔ Pineapple

Question Number : 12 Question Id : 2310983563 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

The scientists at Assam Agriculture University have recently achieved a significant breakthrough in which of the following area?

Options :

1. ✖ Development of hybrids in grain pearl millet and cotton
2. ✔ Grafting the scion of Assam lemon on rough lemon rootstock
3. ✖ Isolation and cloning drought stress responsive transcription factors 'TaCBF5' and 'TaCBF9' from drought tolerant wheat variety C 306
4. ✖ Sequencing 6.7 million base pairs of the long-arm of chromosome 11 of rice

Question Number : 13 Question Id : 2310983564 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

How many biogeographic zones are there in India?

Options :

1. ✔ 10
2. ✖ 11
3. ✖ 9
4. ✖ 12

Question Number : 14 Question Id : 2310983565 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

Which of the following is an example of ex-situ conservation?

Options :

1. ✖ National park
2. ✔ Zoo
3. ✖ Wildlife sanctuary
4. ✖ Sacred grove

Question Number : 15 Question Id : 2310983566 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The pangolins are among the most trafficked mammals in the world and killed for their:

Options :

1. ✖ gall bladders
2. ✖ horns
3. ✖ furs
4. ✔ scales

Question Number : 16 Question Id : 2310983567 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Suppose there are three communities — Community A, Community B and Community C.

Community A has 5 species and their abundances are 100, 10, 10, 10, 10, respectively;

Community B has 5 species and their abundances are 10, 10, 10, 10, 10, respectively and

Community C has 5 species and their abundances are 50, 10, 10, 10, 10, respectively.

Which community will have high species diversity?

Options :

1. ✖ Community A
2. ✔ Community B
3. ✖ Community C
4. ✖ Both Community A and C

Question Number : 17 Question Id : 2310983568 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

Which of the following is NOT a plant growth promotor?

Options :

1. ✖ Auxin
2. ✖ Gibberellins
3. ✖ Cytokinins
4. ✔ Absciscic acid

Question Number : 18 Question Id : 2310983569 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

A process in which milk is treated with mild heat, usually to less than 100°C, to eliminate pathogens and extend shelf life is called:

Options :

1. ✔ pasteurisation
2. ✖ sterilisation
3. ✖ neutering
4. ✖ cauterisation

Question Number : 19 Question Id : 2310983570 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

Which of the following is NOT a macronutrient?

Options :

1. ✖ Nitrogen
2. ✖ Phosphorus
3. ✖ Magnesium

4. ✓ Manganese

Question Number : 20 Question Id : 2310983571 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

Inhibition of primary root growth in plants is often associated with the deficiency of:

Options :

1. ✗ Nitrogen
2. ✓ Phosphorus
3. ✗ Potassium
4. ✗ Iron

Question Number : 21 Question Id : 2310983572 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

The energy of sunlight is first absorbed by the pigments of the plant. All pigments active in photosynthesis are found in the:

Options :

1. ✗ golgi apparatus
2. ✗ mitochondria
3. ✓ chloroplast
4. ✗ amyloplast

Question Number : 22 Question Id : 2310983573 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

In 100 g of Banana, which mineral is found in the highest quantity?

Options :

1. ✓ Potassium
2. ✗ Manganese
3. ✗ Zinc
4. ✗ Iron

Question Number : 23 Question Id : 2310983574 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The phenomenon in which the corolla of a flower opens to expose the stamens and the pistil is called:

Options :

1. ✓ chasmogamy
2. ✗ cleistogamy
3. ✗ dichogamy
4. ✗ geitonogamy

Question Number : 24 Question Id : 2310983575 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The transition from a flower to a developing fruit is termed as:

Options :

1. ✗ flower set
2. ✗ pollen set
3. ✓ fruit set
4. ✗ stigma set

Question Number : 25 Question Id : 2310983576 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Papaya is propagated only through:

Options :

1. ✗ root cutting
2. ✗ stem cutting
3. ✓ sexual method
4. ✗ asexual method

Question Number : 26 Question Id : 2310983577 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The method of vegetative plant propagation that encourages adventitious roots to form on stems while they remain attached to the parent or stock plant is called:

Options :

1. ✓ layering
2. ✗ grafting
3. ✗ budding
4. ✗ cloning

Question Number : 27 Question Id : 2310983578 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

_____ is the *in vitro* aseptic culture of whole plants under controlled nutritional and environmental conditions.

Options :

1. ✓ Tissue culture
2. ✗ Hydroponics
3. ✗ Soilless culture
4. ✗ Protected culture

Question Number : 28 Question Id : 2310983579 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

Which of the following is NOT a technique used to rejuvenate mature plants so that they are more amenable to clonal propagation?

Options :

1. ✗ Hedging and stool bedding
2. ✗ Etiolation and blanching
3. ✗ Serial propagation and grafting
4. ✓ Low temperature exposure

Question Number : 29 Question Id : 2310983580 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

Pre-germination seed treatment involves soaking hard and impermeable seeds in concentrated:

Options :

1. ✓ sulphuric acid
2. ✗ boric acid
3. ✗ citric acid
4. ✗ oxalic acid

Question Number : 30 Question Id : 2310983581 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Which is NOT correct for chimeras?

Options :

1. ✓ They are organisms that are composed of cells of one genotype.
2. ✗ Chimeras arise from genetic changes in one or more of the layers in the apical meristem.
3. ✗ Chimeras can be reliably propagated only from axillary buds.
4. ✗ Florentine gardener Pietro Nati first described a chimera plant.

Question Number : 31 Question Id : 2310983582 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Perigynous flowers are those in which:

Options :

1. ✗ petals, sepals and stamens are attached at the base of the ovary
2. ✓ petals, sepals and stamens are attached on the rim of the hypanthium
3. ✗ petals, sepals and stamens are attached at the top of the ovary

4. ✖ only sepals and stamens are attached at the base of the ovary

Question Number : 32 Question Id : 2310983583 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

How many types of greenhouses are there?

Options :

1. ✖ 2

2. ✖ 3

3. ✔ 4

4. ✖ 5

Question Number : 33 Question Id : 2310983584 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

The Eden Project, the world's largest greenhouse project, is located in which country?

Options :

1. ✔ England

2. ✖ The Netherlands

3. ✖ France

4. ✖ Germany

Question Number : 34 Question Id : 2310983585 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

In greenhouses, the primary environmental parameter traditionally controlled is:

Options :

1. ✔ temperature

2. ✖ humidity

3. ✖ wind

4. ✖ precipitation

Question Number : 35 Question Id : 2310983586 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The greenhouse industry in the Netherlands relies heavily on glass framed greenhouses in order to cope up with:

Options :

1. ✓ cloudy conditions
2. ✗ high precipitation
3. ✗ high humidity
4. ✗ extremely low temperature

Question Number : 36 Question Id : 2310983587 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Who designed the first modern greenhouse?

Options :

1. ✓ Charles Lucien Bonaparte
2. ✗ Russ Finch
3. ✗ Tiberius
4. ✗ Cardinal Lucien Bonaparte

Question Number : 37 Question Id : 2310983588 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

World Soil Day is observed on:

Options :

1. ✓ 5th December
2. ✗ 6th December
3. ✗ 5th June
4. ✗ 2nd October

Question Number : 38 Question Id : 2310983589 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Sodic soil is characterised by a disproportionately high concentration of:

Options :

1. ✓ Na⁺

2. ✗ K⁺

3. ✗ Ca²⁺

4. ✗ Mg²⁺

Question Number : 39 Question Id : 2310983590 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

In soil classification systems, topsoil is known as the:

Options :

1. ✓ O Horizon or A Horizon

2. ✗ B Horizon

3. ✗ C Horizon

4. ✗ R Horizon

Question Number : 40 Question Id : 2310983591 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

_____ are the soils of grassland ecosystems.

Options :

1. ✗ Oxisols

2. ✓ Mollisols

3. ✗ Ultisols

4. ✗ Andisols

Question Number : 41 Question Id : 2310983592 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Soil separates are the size groups of mineral particles that are:

Options :

1. ✗ between 3 mm and 4 mm in diameter

2. ✗ between 4 mm and 5 mm in diameter

3. ✗ between 5 mm and 6 mm in diameter

4. ✓ less than 2 mm in diameter

Correct Marks : 1 Wrong Marks : 0.33

How many factors and their interactions are responsible for the formation of soil?

Options :

1. ✖ 3

2. ✖ 4

3. ✔ 5

4. ✖ 6

Correct Marks : 1 Wrong Marks : 0.33

Identify the correct sequence of six levels of classification proposed by the USDA soil taxonomy.

Options :

1. ✔ Order → Suborder → Great Group → Subgroup → Family → Series

2. ✖ Order → Suborder → Great Group → Subgroup → Series → Family

3. ✖ Great Group → Subgroup → Order → Suborder → Family → Series

4. ✖ Great Group → Subgroup → Order → Suborder → Series → Family

Correct Marks : 1 Wrong Marks : 0.33

_____ measure the amount of tension or pull plant roots are exerting on the soil water and how tightly water is held by the soil.

Options :

1. ✖ Time domain reflectometers

2. ✖ Neutron probes

3. ✖ Piezometer

4. ✔ Tensiometers

Question Number : 45 Question Id : 2310983596 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

If a compass reading is 45° , in which direction are you looking at?

Options :

1. ✖ North

2. ✖ East

3. ✖ South

4. ✔ North-east

Question Number : 46 Question Id : 2310983597 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The study of rock layers preserved in the geological record is called:

Options :

1. ✖ Geochronology

2. ✔ Stratigraphy

3. ✖ Sedimentology

4. ✖ Palaeontology

Question Number : 47 Question Id : 2310983598 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

What kind of unconformity occurs when the beds beneath an erosional surface are tilted and eroded?

Options :

1. ✖ Paraconformities

2. ✖ Non-conformities

3. ✔ Angular unconformities

4. ✖ Disconformities

Correct Marks : 1 Wrong Marks : 0.33

Who proposed the Law of Fossil Assemblages?

Options :

1. ✖ Nicolas Steno
2. ✔ William Smith
3. ✖ James Hutton
4. ✖ Charles Lyell

Correct Marks : 1 Wrong Marks : 0.33

What does 1:100000 scale map denotes?

Options :

1. ✔ 1 cm on the map equals 1 km on the ground
2. ✖ 10 cm on the map equals 1 km on the ground
3. ✖ 1 cm on the map equals 10 km on the ground
4. ✖ 1 cm on the map equals 100 km on the ground

Correct Marks : 1 Wrong Marks : 0.33

When two or more contour lines merge with each other, they represent features of vertical slopes such as

Options :

1. ✔ Cliff
2. ✖ Spur
3. ✖ Valley
4. ✖ Conical Hill

Correct Marks : 1 Wrong Marks : 0.33

Thrust fault is a fault in which _____.

Options :

1. ✖ the hanging wall appears to have moved downwards relative to the footwall
2. ✖ the hanging wall appears to have moved upwards relative to the footwall
3. ✔ the fault plane is dipping at low angles ($< 45^\circ$)
4. ✖ the movement is horizontal along the strike of the fault plane

Question Number : 52 Question Id : 2310983603 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Columnar joints are joints formed in:

Options :

1. ✔ basalt
2. ✖ mud
3. ✖ sand
4. ✖ granitic rocks

Question Number : 53 Question Id : 2310983604 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Cholera, a water-borne disease, is spread by *Vibrio cholerae*, which is a:

Options :

1. ✖ nematode
2. ✖ virus
3. ✖ protozoan
4. ✔ bacterium

Question Number : 54 Question Id : 2310983605 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Which of the following types of water distribution system is suitable for cities with rectangular layout and where the water mains and branches are laid in rectangles?

Options :

1. ✓ Grid Iron System
2. ✗ Radial System
3. ✗ Dead End System
4. ✗ Ring System

Question Number : 55 Question Id : 2310983606 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

What is the safe limit for fluoride in drinking water fixed by the World Health Organization?

Options :

1. ✓ 0.5 to 1.5 mg/L
2. ✗ < 0.5 mg/L
3. ✗ > 1.5 mg/L
4. ✗ 0.5 to 1.5 g/L

Question Number : 56 Question Id : 2310983607 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Water hardness is the amount of dissolved calcium and _____.

Options :

1. ✓ magnesium
2. ✗ iron
3. ✗ potassium
4. ✗ sodium

Question Number : 57 Question Id : 2310983608 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Which of the following devices measures the pressure of groundwater?

Options :

1. ✗ Barometer

2. ✓ Piezometer

3. ✖ Rheometer

4. ✖ Manometer

Question Number : 58 Question Id : 2310983609 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

In bacteriological water analysis, m-Endo agar media is used in:

Options :

1. ✖ multiple tube method

2. ✖ ATP testing

3. ✖ direct plate count

4. ✓ membrane filtration

Question Number : 59 Question Id : 2310983610 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The Chauka system is a method for harvesting rainwater practiced in which Indian state?

Options :

1. ✓ Rajasthan

2. ✖ Gujrat

3. ✖ Madhya Pradesh

4. ✖ Bihar

Question Number : 60 Question Id : 2310983611 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Who is popularly known as the 'Waterman of India'?

Options :

1. ✖ Shirish Apte

2. ✖ Ayyappa Masagi

3. ✓ Rajendra Singh

4. ✖ Aabid Surti

Question Number : 61 Question Id : 2310983612 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

What is the size of the Milli watershed?

Options :

1. ✖ 10,000 to 50,000 ha
2. ✔ 1,000 to 10,000 ha
3. ✖ 100 to 1,000 ha
4. ✖ 1 to 100 ha

Question Number : 62 Question Id : 2310983613 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Which of the following statements is INCORRECT?

Options :

1. ✖ Evaporation is significant in arid regions.
2. ✔ Transpiration is significant in humid regions.
3. ✖ Evaporation is less on humid days.
4. ✖ Evapotranspiration is often used synonymously with the consumptive use.

Question Number : 63 Question Id : 2310983614 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

What is the average annual precipitation on Earth?

Options :

1. ✖ 1200 mm
2. ✖ 1100 mm
3. ✔ 1000 mm
4. ✖ 1500 mm

Question Number : 64 Question Id : 2310983615 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Who developed the Universal Soil Loss Equation (USLE)?

Options :

1. ✖ Lorenzo A Richards
2. ✖ Justus von Liebig
3. ✖ George Nelson Coffey
4. ✔ W Wischmeier and D Smith

Question Number : 65 Question Id : 2310983616 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

Silviculture originated in which continent?

Options :

1. ✖ Asia
2. ✔ Europe
3. ✖ North America
4. ✖ South America

Question Number : 66 Question Id : 2310983617 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

Dipterocarpus retusus, an important timber plant, is the state tree of:

Options :

1. ✔ Assam
2. ✖ Arunachal Pradesh
3. ✖ Meghalaya
4. ✖ Tripura

Question Number : 67 Question Id : 2310983618 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

Eucalyptus deglupta does not occur in

Options :

1. ✔ Australia
2. ✖ Philippines
3. ✖ Papua New Guinea

4. ✖ Indonesia

Question Number : 68 Question Id : 2310983619 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

Which tree species of India was heavily exploited during the early British period (1750 - 1900) for Royal Navy ship building activities?

Options :

1. ✖ *Terminalia tomentosa*
2. ✖ *Dipterocarpus macrocarpus*
3. ✔ *Tectona grandis*
4. ✖ *Azadirachta indica*

Question Number : 69 Question Id : 2310983620 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

The art of joining parts of plants together in such a way that they will readily unite and continue to grow as one plant is called:

Options :

1. ✖ cutting
2. ✖ budding
3. ✖ layering
4. ✔ grafting

Question Number : 70 Question Id : 2310983621 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

Agrosilvopastoral systems consist of which of these elements?

Options :

1. ✔ Animals, trees and crops
2. ✖ Only trees and crops
3. ✖ Only animals and crops
4. ✖ Only animals and trees

Question Number : 71 Question Id : 2310983622 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The first taungya plantations were raised in North Bengal in the year:

Options :

1. ✓ 1896

2. ✗ 1897

3. ✗ 1899

4. ✗ 1898

Question Number : 72 Question Id : 2310983623 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The term social forestry was first used in 1976 in India by:

Options :

1. ✓ the National Commission on Agriculture

2. ✗ the National Commission on Horticulture

3. ✗ the National Commission on Forestry

4. ✗ the National Commission on Silviculture

Question Number : 73 Question Id : 2310983624 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Joint Forest Management originated in 1980s in which Indian state?

Options :

1. ✗ Bihar

2. ✗ Assam

3. ✗ Madhya Pradesh

4. ✓ West Bengal

Question Number : 74 Question Id : 2310983625 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Diversity of plant material in polycultural systems often leads to:

Options :

1. ✖ higher pest intensities
2. ✖ no pest intensities
3. ✔ lower pest intensities
4. ✖ very high pest intensities

Question Number : 75 Question Id : 2310983626 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The scope of social forestry does not include which type of forestry?

Options :

1. ✖ Farm Forestry
2. ✖ Community Woodlots
3. ✔ Community Reserve
4. ✖ Extension Forestry

Question Number : 76 Question Id : 2310983627 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Shola are tropical montane forests found in the higher elevation hill regions of the:

Options :

1. ✖ North-East India
2. ✖ Himalayas
3. ✔ Western Ghats
4. ✖ North Bengal

Question Number : 77 Question Id : 2310983628 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Plants adapted to a life in a dry or physiologically dry habitat are known as:

Options :

1. ✖ mesophytes
2. ✖ hygrophytes
3. ✔ xerophytes
4. ✖ hydrophytes

Question Number : 78 Question Id : 2310983629 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is a water-pollinated plant?

Options :

1. ✖ Water hyacinth
2. ✔ Hydrilla
3. ✖ Water lily
4. ✖ Lotus

Question Number : 79 Question Id : 2310983630 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The term grex has been expanded in botanical nomenclature to describe hybrids of which plant?

Options :

1. ✔ Orchids
2. ✖ Roses
3. ✖ Citruses
4. ✖ Rice

Question Number : 80 Question Id : 2310983631 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The most comprehensive explanation of water transport in plants provided by Henry Dixon and J Joly in 1894 is known as:

Options :

1. ✔ the cohesion-tension theory

2. ✖ the relay pump theory
3. ✖ the clambering force theory
4. ✖ the pulsation theory

Question Number : 81 Question Id : 2310983632 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Where is the birthplace of tea?

Options :

1. ✖ India
2. ✖ Sri Lanka
3. ✖ Japan
4. ✔ China

Question Number : 82 Question Id : 2310983633 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The Protection of Plant Varieties and Farmers' Rights Act was enacted by the Parliament of India in:

Options :

1. ✖ 2000
2. ✔ 2001
3. ✖ 2002
4. ✖ 2003

Question Number : 83 Question Id : 2310983634 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

As per The Agricultural and Processed Food Products Export Development Authority (APEDA), which country was the leading exporter of the Basmati Rice to the global market during 2018-2019?

Options :

1. ✖ Thailand
2. ✔ India

3. ✖ Pakistan

4. ✖ Sri Lanka

Question Number : 84 Question Id : 2310983635 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The 'Alice' mango is a named mango cultivar that originated in:

Options :

1. ✖ India

2. ✔ USA

3. ✖ Australia

4. ✖ Nepal

Question Number : 85 Question Id : 2310983636 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Sahbhagi Dhan is a variety of rice that can tolerate:

Options :

1. ✖ Extreme heat

2. ✖ Extreme cold

3. ✔ Extreme drought

4. ✖ Extreme salt

Question Number : 86 Question Id : 2310983637 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Teosinte is considered as the progenitor of which domesticated crop?

Options :

1. ✖ Rice

2. ✔ Maize

3. ✖ Wheat

4. ✖ Mustard

Question Number : 87 Question Id : 2310983638 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The RHT dwarfing genes were introduced to modern wheat varieties in the 1960s by:

Options :

1. ✖ Henry A Wallace
2. ✖ Robert Fraley
3. ✖ MS Swaminathan
4. ✔ Norman Borlaug

Question Number : 88 Question Id : 2310983639 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Indian Railways has launched Plan Bee to prevent trains from hitting:

Options :

1. ✔ elephants crossing tracks
2. ✖ bees crossing tracks
3. ✖ tigers crossing tracks
4. ✖ snakes crossing tracks

Question Number : 89 Question Id : 2310983640 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is NOT an endemic species of Western Ghats?

Options :

1. ✖ Lion-tailed macaque
2. ✖ Nilgiri Langur
3. ✖ Purple frog
4. ✔ Namdapha flying squirrel

Question Number : 90 Question Id : 2310983641 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The Convention on Biological Diversity entered into force on:

Options :

1. ✖ 29 December 1992
2. ✖ 28 December 1993
3. ✔ 29 December 1993
4. ✖ 28 December 1992

Question Number : 91 Question Id : 2310983642 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is NOT a Protected Area in India constituted under the provisions of Wildlife (Protection) Act, 1972?

Options :

1. ✖ National parks
2. ✖ Community reserves
3. ✖ Conservation reserves
4. ✔ Biosphere reserves

Question Number : 92 Question Id : 2310983643 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The extent of change in community composition, or degree of community differentiation, in relation to a complex-gradient of environment, or a pattern of environments, is measured by:

Options :

1. ✖ alpha diversity
2. ✔ beta diversity
3. ✖ gamma diversity
4. ✖ zeta diversity

Question Number : 93 Question Id : 2310983644 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is NOT an endangered species according to the IUCN Red List (2019-3 version)?

Options :

1. ✖ Western hoolock gibbon
2. ✔ Greater one-horned rhino
3. ✖ Asian elephant
4. ✖ South Asian river dolphin

Question Number : 94 Question Id : 2310983645 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

One of the criteria to designate a region as biodiversity hotspot is that it should have at least 1500 endemic vascular plants. What is the other criteria?

Options :

1. ✔ It must have 30% or less of its original natural vegetation.
2. ✖ It must have 40% of its original natural vegetation.
3. ✖ It must have 50% of its original natural vegetation.
4. ✖ It must have more than 90% of its original natural vegetation.

Question Number : 95 Question Id : 2310983646 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Which plant structure transports the glucose formed in photosynthesis to the branches, fruits, trunks and roots of the tree?

Options :

1. ✖ Phloem
2. ✔ Xylem
3. ✖ Stomata
4. ✖ Cuticle

Question Number : 96 Question Id : 2310983647 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Glycolysis occurs in which part of the plant cell?

Options :

1. ✖ Lysosomes
2. ✖ Mitochondria
3. ✖ Plastids
4. ✔ Cytoplasm

Question Number : 97 Question Id : 2310983648 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Who is considered as the father of agronomy?

Options :

1. ✖ Justus von Liebig
2. ✖ Masanobu Fukuoka
3. ✔ Pietro de' Crescenzi
4. ✖ Albert Howard

Question Number : 98 Question Id : 2310983649 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Pasteurisation of milk by the high-temperature short-time method involves:

Options :

1. ✔ heating the milk at 71.5°C for 16 seconds, and immediately cooling to below 4°C
2. ✖ heating the milk at 63°C and holding at that temperature for 30 minutes
3. ✖ heating the milk at 138°C for 2 seconds
4. ✖ heating the milk at 63°C for 16 seconds, and immediately cooling to below 4°C

Question Number : 99 Question Id : 2310983650 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Ambar, Jawahar, Kisan, Vikram, Sona and Vijay are the names of:

Options :

1. ✖ finger millet composites
2. ✔ maize composites
3. ✖ Pearl millet composites
4. ✖ sugar beet composites

Question Number : 100 Question Id : 2310983651 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

According to the law of diminishing return, if one variable is increased keeping all other variables constant, there will be a point at which:

Options :

1. ✔ the marginal per-unit output will decrease
2. ✖ the marginal per-unit output will be zero
3. ✖ the marginal per-unit output will increase
4. ✖ the marginal per-unit output will be negative

Question Number : 101 Question Id : 2310983652 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Viticulture is the term encompassing the cultivation, protection and harvest of:

Options :

1. ✔ grapes
2. ✖ apples
3. ✖ oranges
4. ✖ bananas

Question Number : 102 Question Id : 2310983653 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Which of the following types of orchards is suitable to harvest light at different heights?

Options :

1. ✖ Clonal orchard
2. ✖ High density orchard
3. ✖ Dry land orchard
4. ✔ Multi-storied orchard

Question Number : 103 Question Id : 2310983654 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Who first conceived the word horticulture?

Options :

1. ✖ Joseph Hooker
2. ✔ Peter Laurenberg
3. ✖ John Lindley
4. ✖ George Washington Carver

Question Number : 104 Question Id : 2310983655 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Pomology refers to the cultivation of:

Options :

1. ✖ vegetables
2. ✖ flower crops
3. ✔ fruit crops
4. ✖ coconut

Question Number : 105 Question Id : 2310983656 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

How many types of flowers are reported in brinjal depending on the length of styles?

Options :

1. ✖ 3

2. ✓ 4

3. ✖ 5

4. ✖ 6

Question Number : 106 Question Id : 2310983657 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The system wherein an espalier is grown with the help of training on wires is called:

Options :

1. ✖ central leader system

2. ✓ cordon system

3. ✖ modified leader system

4. ✖ open centre system

Question Number : 107 Question Id : 2310983658 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Sod culture is a system in which:

Options :

1. ✓ the grasses in the space between the trees are allowed to grow without tillage or mulching

2. ✖ the grasses are allowed to grow in the entire area of the orchard

3. ✖ the interspace between the trees is kept clean by tillage and removal of weeds

4. ✖ the grasses are grown, cut as required and removed for making hay

Question Number : 108 Question Id : 2310983659 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Which vitamin is known to stimulate the rooting process in plants?

Options :

1. ✖ Vitamin D
2. ✖ Vitamin A
3. ✔ Vitamin B
4. ✖ Vitamin C

Question Number : 109 Question Id : 2310983660 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

Harwood cutting is useful for the propagation of:

Options :

1. ✔ grapes
2. ✖ mangoes
3. ✖ guavas
4. ✖ chrysanthemums

Question Number : 110 Question Id : 2310983661 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

The type of apomixis in which the embryo develops from a diploid egg cell or from the diploid cells of the embryo sac without fertilisation is known as:

Options :

1. ✖ vegetative apomixis
2. ✖ nucellar embryony
3. ✖ non-recurrent apomixis
4. ✔ recurrent apomixis

Question Number : 111 Question Id : 2310983662 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

If a scion of apple is grafted on a dwarf rootstock, the scion will:

Options :

1. ✔ remain dwarf
2. ✖ become semi-dwarf

3. ✖ grow vigorously

4. ✖ not grow

Question Number : 112 Question Id : 2310983663 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Saddle grafting is used for bench grafting of:

Options :

1. ✔ grapes

2. ✖ walnuts

3. ✖ pears

4. ✖ pomegranates

Question Number : 113 Question Id : 2310983664 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

A method of propagation in which the shoots/plants are cut back to the ground and soil or rooting medium is mounded around new sprouts/shoots to stimulate roots to develop at their bases is called:

Options :

1. ✖ compound layering

2. ✖ trench layering

3. ✔ stool layering

4. ✖ simple Layering

Question Number : 114 Question Id : 2310983665 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is NOT true about asexual plant propagation?

Options :

1. ✖ Asexually propagated plants are true-to-type to their mother plants.

2. ✔ Asexually propagated plants have a long juvenile phase.

3. ✖ Pineapple and banana are propagated through asexual propagation.

4. ✖ The asexually propagated plants are smaller in stature.

Question Number : 115 Question Id : 2310983666 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

In a greenhouse, the temperature of the leaf surfaces are kept above the dew point to prevent:

Options :

1. ✔ condensation

2. ✖ evaporation

3. ✖ transpiration

4. ✖ precipitation

Question Number : 116 Question Id : 2310983667 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Etiolation of plants in greenhouses can be avoided by managing:

Options :

1. ✖ humidity

2. ✖ temperature

3. ✔ light

4. ✖ micronutrients

Question Number : 117 Question Id : 2310983668 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

What is the recommended air porosity (in % volume) of the growing media if you are raising orchids in a greenhouse?

Options :

1. ✖ 2% to 5%

2. ✖ 5% to 10%

3. ✖ 10% to 20%

4. ✓ > 20%

Question Number : 118 Question Id : 2310983669 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

If the pH of the growing medium drops below 5.5, all micronutrients become soluble and are available to the plant, EXCEPT:

Options :

1. ✗ iron
2. ✓ molybdenum
3. ✗ manganese
4. ✗ copper

Question Number : 119 Question Id : 2310983670 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

Which of the following is NOT an inorganic greenhouse growing media?

Options :

1. ✗ Perlite
2. ✗ Vermiculite
3. ✗ Pumice
4. ✓ Coir

Question Number : 120 Question Id : 2310983671 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

Which of the following greenhouse growing media has a very high cation exchange capacity?

Options :

1. ✓ Sphagnum peat moss
2. ✗ Perlite
3. ✗ Pumice
4. ✗ Rice hulls

Question Number : 121 Question Id : 2310983672 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Which of the following micronutrients is essential for chlorophyll synthesis?

Options :

1. ✖ Manganese
2. ✔ Iron
3. ✖ Boron
4. ✖ Zinc

Question Number : 122 Question Id : 2310983673 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Extremely dark green leaves of plants in greenhouses are due to:

Options :

1. ✔ nitrogen toxicity
2. ✖ phosphorous deficiency
3. ✖ potassium deficiency
4. ✖ calcium toxicity

Question Number : 123 Question Id : 2310983674 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

In a completely saturated soil, the volume of air (V_a) is:

Options :

1. ✔ 0%
2. ✖ 25%
3. ✖ 50%
4. ✖ 100%

Question Number : 124 Question Id : 2310983675 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The minimum friction velocity required to initiate movement of soil particles is called:

Options :

1. ✖ optimum friction velocity
2. ✖ maximum friction velocity
3. ✖ terminal friction velocity
4. ✔ threshold friction velocity

Question Number : 125 Question Id : 2310983676 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

What type of soil water is mostly available to plants?

Options :

1. ✖ Hygroscopic water
2. ✔ Capillary water
3. ✖ Gravitational water
4. ✖ Molecular bonded water

Question Number : 126 Question Id : 2310983677 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

According to the Global Assessment of Human-Induced Soil Degradation (GLASOD), what is the percentage of world's land that is degraded due to human activity?

Options :

1. ✖ 2%
2. ✖ 5%
3. ✖ 10%
4. ✔ 15%

Question Number : 127 Question Id : 2310983678 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Identify the correct sequence of permeability for different soil textures (from high to low permeability).

Options :

1. ✓ Sand → Sandy Loam → Loam → Clay Loam → Silty Loam → Clay
2. ✗ Sand → Loam → Sandy Loam → Clay Loam → Silty Loam → Clay
3. ✗ Sand → Clay Loam → Sandy Loam → Loam → Silty Loam → Clay
4. ✗ Sand → Sandy Loam → Loam → Clay Loam → Clay → Silty Loam

Question Number : 128 Question Id : 2310983679 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Which of the following statements is NOT true with respect to the measurement of particle-size distribution?

Options :

1. ✗ Optical counting method is used to determine the particle size within the range of 0.2 to 100 μm .
2. ✗ Sedimentation technique is useful for sizes above 10 μm .
3. ✓ Laser diffraction method is good for measuring sizes between 0.1 and 3000 μm .
4. ✗ Sieve technique is well-adapted for bulk materials.

Question Number : 129 Question Id : 2310983680 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is NOT a characteristic of alkali soils?

Options :

1. ✗ High pH (> 8.2)
2. ✗ High exchangeable sodium percentage (> 15)
3. ✗ High sodium carbonate
4. ✓ High EC_e 0020 ($> 4 \text{ dS m}^{-1}$)

Correct Marks : 1 Wrong Marks : 0.33

Dip and strike are determined in the field with the help of a:

Options :

1. ✓ clinometer compass
2. ✗ hand lens
3. ✗ global positioning system
4. ✗ densiometer

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is NOT a secondary geological structure?

Options :

1. ✗ Folds
2. ✗ Faults
3. ✗ Joints
4. ✓ Burrows

Correct Marks : 1 Wrong Marks : 0.33

Which is the largest map scale, from the following?

Options :

1. ✓ 1:20,000
2. ✗ 1:50,000
3. ✗ 1:1,00,000
4. ✗ 1:2,50,000

Correct Marks : 1 Wrong Marks : 0.33

When a rock is subjected to increasing stress, how many successive stages of deformation does it pass through?

Options :

1. ✓ 3

2. ✖ 4

3. ✖ 5

4. ✖ 6

Question Number : 134 Question Id : 2310983685 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Repetitive layering in metamorphic rocks is known as:

Options :

1. ✖ lineation

2. ✓ foliation

3. ✖ nappe structure

4. ✖ beds

Question Number : 135 Question Id : 2310983686 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

In a recumbent fold, _____.

Options :

1. ✖ the axial plane bisects the fold

2. ✖ the axial plane is inclined at an angle $< 45^\circ$

3. ✖ the axial plane is inclined at an angle $> 45^\circ$

4. ✓ the axial plane is horizontal

Question Number : 136 Question Id : 2310983687 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is NOT true for equal area stereonet?

Options :

1. ✖ They are suitable for kinematic analysis.

2. ✓ They reduce area distortion.

3. ✖ They provide the best projection for analysing the direction and the vectors of structural forces.

4. ✖ They preserve the true relationships between stratigraphic and structural features.

Question Number : 137 Question Id : 2310983688 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

Subsurface water that is found in a fully saturated zone is known as:

Options :

- 1. ✖ vadose water
- 2. ✖ capillary water
- 3. ✔ ground water
- 4. ✖ soil water

Question Number : 138 Question Id : 2310983689 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

Hydraulic ram is a type of:

Options :

- 1. ✔ impulse pump
- 2. ✖ buoyancy pump
- 3. ✖ velocity pump
- 4. ✖ displacement pump

Question Number : 139 Question Id : 2310983690 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0.33

Which of the following water demand forecasting models estimates per capita consumption as a function of explanatory variables?

Options :

- 1. ✖ Micro-component model
- 2. ✖ Unit water demand analysis
- 3. ✖ Temporal extrapolation model
- 4. ✔ Multivariate statistical model

Question Number : 140 Question Id : 2310983691 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

What was the annual per capita water availability in India in 2011?

Options :

1. ✓ 1545 cubic metres
2. ✗ 950 cubic metres
3. ✗ 1750 cubic metres
4. ✗ 5200 cubic metres

Question Number : 141 Question Id : 2310983692 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

According to the Horton-Strahler ordering scheme, the channels that have no tributaries are called:

Options :

1. ✗ third-order streams
2. ✗ fourth-order streams
3. ✓ first-order streams
4. ✗ second-order streams

Question Number : 142 Question Id : 2310983693 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

According to the National Bank for Agriculture and Rural Development's norm, an area with a level of groundwater development as less than 65% is considered as:

Options :

1. ✓ safe
2. ✗ semi-critical
3. ✗ critical
4. ✗ very critical

Question Number : 143 Question Id : 2310983694 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The groundwater yield potential in peninsular shield areas ranges from:

Options :

1. ✖ 1 to 40 lps
2. ✖ 25 to 50 lps
3. ✔ 2 to 10 lps
4. ✖ 1 to 10 lps

Question Number : 144 Question Id : 2310983695 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The flame-of-the-forest is the common name of which of the following tree species?

Options :

1. ✖ *Bombax ceiba*
2. ✖ *Phanera purpurea*
3. ✔ *Butea monosperma*
4. ✖ *Lagerstroemia lanceolata*

Question Number : 145 Question Id : 2310983696 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Xylia xylocarpa occurs gregariously in which of the following parent rock types?

Options :

1. ✖ Quartzite
2. ✖ Limestone
3. ✔ Laterites
4. ✖ Mica schist

Question Number : 146 Question Id : 2310983697 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The oldest teak plantation in the world is located in which state of India?

Options :

1. ✖ Tamil Nadu
2. ✖ Andhra Pradesh
3. ✖ Karnataka
4. ✔ Kerala

Question Number : 147 Question Id : 2310983698 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

In which year was the National Agroforestry Policy launched in India?

Options :

1. ✖ 2013
2. ✔ 2014
3. ✖ 2017
4. ✖ 2018

Question Number : 148 Question Id : 2310983699 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

Where is the headquarters of the International Centre for Research in Agroforestry (ICRAF) located?

Options :

1. ✖ Kathmandu
2. ✖ New Delhi
3. ✖ Dhaka
4. ✔ Nairobi

Question Number : 149 Question Id : 2310983700 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3 Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The policies and guidelines of the Joint Forest Management are enunciated in:

Options :

1. ✖ the National Forest Policy of 1952
2. ✔ the National Forest Policy of 1988
3. ✖ the Forest (Conservation) Act, 1972
4. ✖ the Biodiversity Act, 2002

Question Number : 150 Question Id : 2310983701 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 1/3
Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0.33

The term ‘social forestry’ was coined by:

Options :

1. ✖ Gifford Pinchot
2. ✖ Dietrich Brandis
3. ✔ JC Westoby
4. ✖ John Evelyn