

# National Testing Agency

**Question Paper Name:** FORESTRY AGROFORESTRY SILVICULTURE 1st July 2019 Shift2  
**Subject Name:** FORESTRY AGROFORESTRY SILVICULTURE  
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**Actual Answer Key:** Yes

## FORESTRY AGROFORESTRY SILVICULTURE

**Group Number :** 1  
**Group Id :** 55317213  
**Group Maximum Duration :** 0  
**Group Minimum Duration :** 150  
**Revisit allowed for view? :** No  
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**Break time:** 0  
**Group Marks:** 640

## Part A : FORESTRY AGROFORESTRY SILVICULTURE

**Section Id :** 55317221  
**Section Number :** 1  
**Section type :** Online  
**Mandatory or Optional:** Mandatory  
**Number of Questions:** 160  
**Number of Questions to be attempted:** 160  
**Section Marks:** 640  
**Display Number Panel:** Yes  
**Group All Questions:** No

**Sub-Section Number:** 1  
**Sub-Section Id:** 55317243  
**Question Shuffling Allowed :** Yes

**Question Number : 1 Question Id : 5531722115 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**  
**Correct Marks : 4 Wrong Marks : 1**

Selection purely based on phenotypic characters from a population is called as

1. Pure line selection
2. Tandem selection
3. Mass selection
4. Recurrent selection

**Options :**

5531728401. 1

5531728402. 2

5531728403. 3

5531728404. 4

**Question Number : 2 Question Id : 5531722116 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Mechanical properties of wood can be known by testing for

1. Chemical strength & physical strength
2. Tension & compression
3. Bending & tatoing
4. Boring & splitting

**Options :**

5531728405. 1

5531728406. 2

5531728407. 3

5531728408. 4

**Question Number : 3 Question Id : 5531722117 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Process by which carbohydrates in wood is converted to simple sugars through chemical treatment is called

1. Seasoning
2. Pyrolisation
3. Saccharification
4. Caramalisation

**Options :**

5531728409. 1

5531728410. 2

5531728411. 3

5531728412. 4

**Question Number : 4 Question Id : 5531722118 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

National Agroforestry Policy was implemented in the year

1. 2014
2. 2012
3. 2000
4. 2010

Options :

- 5531728413. 1
- 5531728414. 2
- 5531728415. 3
- 5531728416. 4

Question Number : 5 Question Id : 5531722119 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Sal, most dipterocarpus, many mystaceae and lauraceae seeds  
can be stored for

1. Ten years
2. Less than 1 year
3. Decades
4. Centuries

Options :

- 5531728417. 1
- 5531728418. 2
- 5531728419. 3
- 5531728420. 4

Question Number : 6 Question Id : 5531722120 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Shikakai pods are obtained from

1. *Acacia concinna*
2. *Acacia arabica*
3. *Butea monosperma*
4. *Caesalpinia sappan*

Options :

- 5531728421. 1
- 5531728422. 2
- 5531728423. 3
- 5531728424. 4

Question Number : 7 Question Id : 5531722121 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

'Mode' in statistics is defined as

1. Middle observation.
2. Result of adding together a set of values and dividing by number of values.
3. Observation which occurs most frequently.
4. Each value is multiplied by its frequency and divided by total frequency.

**Options :**

- 5531728425. 1
- 5531728426. 2
- 5531728427. 3
- 5531728428. 4

**Question Number : 8 Question Id : 5531722122 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

A sampling method in which sampling units composing a sample are selected in such a manner that all possible units of the same size have equal chance of being chosen is

1. Multiphase sampling
2. List sampling
3. Sequential sampling
4. Random sampling

**Options :**

- 5531728429. 1
- 5531728430. 2
- 5531728431. 3
- 5531728432. 4

**Question Number : 9 Question Id : 5531722123 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Length of the lowest section in stem analysis is

1. 3.0 m
2. 1.37 m
3. 5.0 m
4. 2.74 m

**Options :**

- 5531728433. 1
- 5531728434. 2
- 5531728435. 3
- 5531728436. 4

**Question Number : 10 Question Id : 5531722124 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

In a sample plot of 0.25 hectares, while viewing from a wedge prism with BAF 2, the trees with overlapping images is 8 and trees touching margin is 11, the basal area of the sample plot is

1.  $27 \times 0.25 \text{ m}^3$
2.  $19 \times 0.25 \text{ m}^3$
3.  $8 \times 0.25 \text{ m}^3$
4.  $13.5 \times 0.25 \text{ m}^3$

**Options :**

5531728437. 1

5531728438. 2

5531728439. 3

5531728440. 4

**Question Number : 11 Question Id : 5531722125 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

A silvicultural system in which regeneration fellings are carried out in narrow strips extending in east-west direction and advancing from north to south is

1. Bavarian Femelschlag
2. Two storied high forest system
3. Wagner's Blendersaumschlag
4. Dauerwald

**Options :**

5531728441. 1

5531728442. 2

5531728443. 3

5531728444. 4

**Question Number : 12 Question Id : 5531722126 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

A measure of the relative productive capacity of a site for a particular species is

1. Site factor
2. Site quality
3. Vegetative characteristics
4. Tree characteristic

**Options :**

5531728445. 1

5531728446. 2

5531728447. 3

5531728448. 4

**Question Number : 13 Question Id : 5531722127 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

In which method of thinning is the attention concentrated on evenly spaced selected stems so that they are retained until maturity?

1. Crown thinning
2. Free thinning
3. Mechanical thinning
4. High thinning

**Options :**

5531728449. 1

5531728450. 2

5531728451. 3

5531728452. 4

**Question Number : 14 Question Id : 5531722128 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

On the basis of position of optical axis of camera, photograph has been taken with optical axis of the camera approximately perpendicular to the horizontal plane, such photography is known as

1. Oblique photography
2. Vertical photography
3. Optical photography
4. Axis photography

**Options :**

5531728453. 1

5531728454. 2

5531728455. 3

5531728456. 4

**Question Number : 15 Question Id : 5531722129 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The inner seed coat is called

1. Testa
2. Tegmen
3. Raphae
4. Integument

**Options :**

5531728457. 1

5531728458. 2

5531728459. 3

5531728460. 4

Question Number : 16 Question Id : 5531722130 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Free-Air CO<sub>2</sub> Enrichment (FACE) offers mechanism for

1. Regulating C emissions under Kyoto protocol.
2. Protecting global biodiversity under CBD.
3. Evaluating the effects of enriched atmospheric CO<sub>2</sub> on ecosystem process.
4. Predicting climate change with coupled atmospheric-ocean general circulation models.

Options :

5531728461. 1

5531728462. 2

5531728463. 3

5531728464. 4

Question Number : 17 Question Id : 5531722131 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

LULUCF is a strategy under the

1. Bhopal India process
2. Kyoto treaty
3. Paris agreement
4. Montreal process

Options :

5531728465. 1

5531728466. 2

5531728467. 3

5531728468. 4

Question Number : 18 Question Id : 5531722132 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Conservation reserve is declared using the provisions under which section of Wildlife (Protection) Act, 1972?

1. 36a
2. 36b
3. 36c
4. 36d

Options :

5531728469. 1

5531728470. 2

5531728471. 3

5531728472. 4

Question Number : 19 Question Id : 5531722133 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Commonly used surface sterilant in tissue culture is

1.  $\text{KMnO}_4$
2.  $\text{CaCl}_2$
3.  $\text{HgCl}_2$
4.  $\text{NaCl}$

Options :

5531728473. 1

5531728474. 2

5531728475. 3

5531728476. 4

Question Number : 20 Question Id : 5531722134 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A plantation of genetically superior trees isolated to reduce cross pollination by other trees and managed intensively for seed production is called

1. Seed stand
2. Seed orchard
3. Plus stand
4. Elite stand

Options :

5531728477. 1

5531728478. 2

5531728479. 3

5531728480. 4

Question Number : 21 Question Id : 5531722135 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The first forest policy of independent India was initiated in

1. 1952
2. 1980
3. 1988
4. 2012

Options :

5531728481. 1

5531728482. 2

5531728483. 3

5531728484. 4

Question Number : 22 Question Id : 5531722136 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical



Correct Marks : 4 Wrong Marks : 1

Holdridge's climate models are NOT based on

1. Bio temperature
2. Average annual precipitation
3. Potential evapotranspiration
4. Solar radiation

Options :

- 5531728485. 1
- 5531728486. 2
- 5531728487. 3
- 5531728488. 4

Question Number : 23 Question Id : 5531722137 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

'Flame of forest' is

1. *Lannea coromondalica*
2. *Spathodiea componulata*
3. *Butea monosperma*
4. *Delonix regia*

Options :

- 5531728489. 1
- 5531728490. 2
- 5531728491. 3
- 5531728492. 4

Question Number : 24 Question Id : 5531722138 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Tussar silk is obtained from

1. *Antheria milleta*
2. *Bombex morrii*
3. *Lacifer lacca*
4. *Vetiveria zizanioides*

Options :

- 5531728493. 1
- 5531728494. 2
- 5531728495. 3
- 5531728496. 4

Question Number : 25 Question Id : 5531722139 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Cutch and katha are obtained by boiling in water the heart wood of

1. *Acacia nilotica*
2. *Acacia catechu*
3. *Prosopis cineraria*
4. *Azadirachta indica*

Options :

- 5531728497. 1
- 5531728498. 2
- 5531728499. 3
- 5531728500. 4

Question Number : 26 Question Id : 5531722140 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Essential oils are obtained from

1. *Cymbopogon martini & Aquilaria agallocha*
2. *Zizyphus maurctiana & Cajanus cajan*
3. *Pinus roxiburgii & Cedrus deodara*
4. *Alstoria scholaris & Sapium sebifrum*

Options :

- 5531728501. 1
- 5531728502. 2
- 5531728503. 3
- 5531728504. 4

Question Number : 27 Question Id : 5531722141 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Indian Institute of Natural Resins and Gums (IINRG) is located at

1. Guwahati
2. Ranchi
3. Bhubaneswar
4. Jabalpur

Options :

- 5531728505. 1
- 5531728506. 2
- 5531728507. 3
- 5531728508. 4

Question Number : 28 Question Id : 5531722142 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The nursery operation to condition the nursery stock by loosening the contact between soil and root of the seedlings in nursery bed is called

1. Box pruning
2. Lateral pruning
3. Under cutting
4. Wrenching

Options :

- 5531728509. 1
- 5531728510. 2
- 5531728511. 3
- 5531728512. 4

Question Number : 29 Question Id : 5531722143 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Onge-tribal group is mainly seen in

1. Orissa
2. Tripura
3. Meghalaya
4. Andaman & Nicobar Islands

Options :

- 5531728513. 1
- 5531728514. 2
- 5531728515. 3
- 5531728516. 4

Question Number : 30 Question Id : 5531722144 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the lipid group is most abundant in chloroplast membranes?

1. Sphingo lipids
2. Galacto lipids
3. Phospho lipids
4. Sulpho lipids

Options :

- 5531728517. 1
- 5531728518. 2
- 5531728519. 3
- 5531728520. 4

Question Number : 31 Question Id : 5531722145 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Most accurate instrument for measuring atmospheric pressure is

1. Aneroid barometer
2. Barograph
3. Kew pattern barometer
4. Mercurial barometer

Options :

5531728521. 1

5531728522. 2

5531728523. 3

5531728524. 4

Question Number : 32 Question Id : 5531722146 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The process of DNA synthesis could be best described as

1. Winding, Pairing, Joining
2. Pairing, Joining, Winding
3. Unwinding, Pairing, Joining
4. Joining, Pairing, Unwinding

Options :

5531728525. 1

5531728526. 2

5531728527. 3

5531728528. 4

Question Number : 33 Question Id : 5531722147 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In Eukaryotes, Glycolytic reactions takes place in

1. Mitochondria
2. Cytoplasm
3. Ribosome
4. Endoplasmic reticulum

Options :

5531728529. 1

5531728530. 2

5531728531. 3

5531728532. 4

Question Number : 34 Question Id : 5531722148 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Quantitative traits exhibit continuous variation as they are controlled by:

1. Single gene
2. Oligo genes
3. Poly genes
4. Special genes

**Options :**

- 5531728533. 1
- 5531728534. 2
- 5531728535. 3
- 5531728536. 4

**Question Number : 35 Question Id : 5531722149 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

6-benzyl Amino Purine (BAP) belongs to the category of which plant growth regulator?

1. Auxin
2. ABA
3. Cytokinin
4. Ethylene

**Options :**

- 5531728537. 1
- 5531728538. 2
- 5531728539. 3
- 5531728540. 4

**Question Number : 36 Question Id : 5531722150 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

What is podzolisation?

1. A soil forming process by which igneous rocks, usually of basic composition.
2. A soil forming process of cool, humid climates in which leaching by organic acids remove bases and translocates sesquioxides from A horizon.
3. Disintegration of rocks chemically under the influence of water containing dissolved CO<sub>2</sub>.
4. Physical disintegration of rocks resulting in exposure of internal surfaces.

**Options :**

- 5531728541. 1
- 5531728542. 2
- 5531728543. 3
- 5531728544. 4

Question Number : 37 Question Id : 5531722151 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A mineral deficiency is likely to affect older leaves more than younger leaves if

1. The mineral is a macronutrient.
2. The mineral is a micronutrient.
3. The mineral is mobile.
4. The mineral is required for chlorophyll synthesis.

Options :

5531728545. 1

5531728546. 2

5531728547. 3

5531728548. 4

Question Number : 38 Question Id : 5531722152 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The biochemical test employed to assess seed viability is

1. Formaldehyde test
2. Tetrazolium test
3. Ferric chloride test
4. Mercuric chloride test

Options :

5531728549. 1

5531728550. 2

5531728551. 3

5531728552. 4

Question Number : 39 Question Id : 5531722153 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

What is the minimum number of codons required for a protein containing five amino acids (ignore start and stop codons)?

1. 10
2. 5
3. 20
4. 15

Options :

5531728553. 1

5531728554. 2

5531728555. 3

5531728556. 4

Question Number : 40 Question Id : 5531722154 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Primary classification of silvicultural system is based on

1. Mode of regeneration
2. Pattern of felling
3. Locality factors
4. Species composition

Options :

5531728557. 1

5531728558. 2

5531728559. 3

5531728560. 4

Question Number : 41 Question Id : 5531722155 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which is the family of old-world monkeys?

1. Cercopithecidae
2. Lorisidae
3. Hylobatidae
4. Pitheciidae

Options :

5531728561. 1

5531728562. 2

5531728563. 3

5531728564. 4

Question Number : 42 Question Id : 5531722156 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The approximate cubic content of a standing teak tree with GBH  
2.0m and commercial bole height 20 m is

1. 4.0 m<sup>3</sup>
2. 1.5 m<sup>3</sup>
3. 250 m<sup>3</sup>
4. 2.5 m<sup>3</sup>

Options :

5531728565. 1

5531728566. 2

5531728567. 3

5531728568. 4

Question Number : 43 Question Id : 5531722157 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Satpura hypothesis was proposed by

1. Wallace
2. Sunder Lal Hora
3. Robert Haeckel
4. Wittaker

**Options :**

5531728569. 1

5531728570. 2

5531728571. 3

5531728572. 4

**Question Number : 44 Question Id : 5531722158 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Universal Testing Machine (UTM) is used to test the

1. function of machines.
2. strength of wood.
3. strength of teeth in saw.
4. strength of logs.

**Options :**

5531728573. 1

5531728574. 2

5531728575. 3

5531728576. 4

**Question Number : 45 Question Id : 5531722159 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Chapter IVB of the Wildlife Protection Act deals with

1. Central Zoo authority.
2. National parks.
3. National tiger conservation authority.
4. Community reserves.

**Options :**

5531728577. 1

5531728578. 2

5531728579. 3

5531728580. 4

**Question Number : 46 Question Id : 5531722160 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**



Pitch of a saw is

1. length of teeth.
2. thickness of teeth.
3. number of teeth.
4. angle between teeth.

Options :

5531728581. 1

5531728582. 2

5531728583. 3

5531728584. 4

Question Number : 47 Question Id : 5531722161 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Insoluble fraction in the pulp related to viscose-rayon process is

1. Beta-cellulose
2. Cellulose
3. Alpha-cellulose
4. Hemicellulose

Options :

5531728585. 1

5531728586. 2

5531728587. 3

5531728588. 4

Question Number : 48 Question Id : 5531722162 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Full cell or Bethel process is a technique used for

1. Wood preservation technique.
2. Wood seasoning technique.
3. Test for mechanical properties.
4. Test to find out luminescence of wood.

Options :

5531728589. 1

5531728590. 2

5531728591. 3

5531728592. 4

Question Number : 49 Question Id : 5531722163 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is used as fillers during plywood manufacturing?

1. Clay
2. Copper sulphate
3. Cotton
4. Plastics

Options :

5531728593. 1

5531728594. 2

5531728595. 3

5531728596. 4

Question Number : 50 Question Id : 5531722164 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

According to Champion & Seth classification of forests in India, which of the following is NOT a major group of forests?

1. Alpine scrub
2. Mangrove forests
3. Tropical forests
4. Montane sub-tropical forests

Options :

5531728597. 1

5531728598. 2

5531728599. 3

5531728600. 4

Question Number : 51 Question Id : 5531722165 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Moisture content of seed can be determined in a high constant temperature oven at

1.  $130^{\circ} \pm 2^{\circ}\text{C}$
2.  $100^{\circ} \pm 2^{\circ}\text{C}$
3.  $50^{\circ} \pm 2^{\circ}\text{C}$
4.  $200^{\circ} \pm 2^{\circ}\text{C}$

Options :

5531728601. 1

5531728602. 2

5531728603. 3

5531728604. 4

Question Number : 52 Question Id : 5531722166 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Trees having a height of  $\frac{3}{4}$ th of the tallest trees in a forest are

referred to as

1. Pre-dominant trees
2. Co-dominant trees
3. Dominated trees
4. Sub-Dominant trees

Options :

5531728605. 1

5531728606. 2

5531728607. 3

5531728608. 4

Question Number : 53 Question Id : 5531722167 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The tusk of elephant is

1. Upper incisors
2. Premolars
3. Canines
4. Molars

Options :

5531728609. 1

5531728610. 2

5531728611. 3

5531728612. 4

Question Number : 54 Question Id : 5531722168 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one among the following trees exhibit whorl type of branching?

1. *Populus nigra*
2. *Termenalia arjuna*
3. *Mangifera indica*
4. *Bombax ceiba*

Options :

5531728613. 1

5531728614. 2

5531728615. 3

5531728616. 4

Question Number : 55 Question Id : 5531722169 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The tree which is called as 'naked lady of forest' is

1. *Lagerstroemia lanceolata*
2. *Anogessus latifolia*
3. *Terminalia arjuna*
4. *Tectona grandis*

Options :

- 5531728617. 1
- 5531728618. 2
- 5531728619. 3
- 5531728620. 4

Question Number : 56 Question Id : 5531722170 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Number of seedlings required to plant an area of one ha, at a spacing of 2m × 2m would be

1. 25,000
2. 10,000
3. 20,000
4. 15,000

Options :

- 5531728621. 1
- 5531728622. 2
- 5531728623. 3
- 5531728624. 4

Question Number : 57 Question Id : 5531722171 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

"Rasaunt" is extracted from the roots of

1. *Picrorhiza kurroa*
2. *Datura stramonium*
3. *Cannabis sativa*
4. *Berberis aristata*

Options :

- 5531728625. 1
- 5531728626. 2
- 5531728627. 3
- 5531728628. 4

Question Number : 58 Question Id : 5531722172 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A forest that is regenerated from seed is called a

1. Normal forest
2. Natural forest
3. High forest
4. Regular forest

Options :

5531728629. 1

5531728630. 2

5531728631. 3

5531728632. 4

Question Number : 59 Question Id : 5531722173 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Natural variation exists in hierarchical arrangements from species variation followed by genus variation followed by site variation and followed by

1. Country variation
2. Provenance variation
3. Tree to tree variation
4. Micro-level variation

Options :

5531728633. 1

5531728634. 2

5531728635. 3

5531728636. 4

Question Number : 60 Question Id : 5531722174 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Number of seeds that germinate in a sample, upto a time when germination reaches its peak, is referred to as

1. Germinative capacity
2. Germinative potential
3. Germinative capability
4. Germinative energy

Options :

5531728637. 1

5531728638. 2

5531728639. 3

5531728640. 4

Question Number : 61 Question Id : 5531722175 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Components of variation are

$$\delta^2P = \delta^2NA + \delta^2A + \delta^2 + \dots$$

1.  $H^2$  (Broad sense heritability)
2.  $h^2$  (Narrow sense heritability)
3. E (Environmental)
4. r (error)

Options :

- 5531728641. 1
- 5531728642. 2
- 5531728643. 3
- 5531728644. 4

Question Number : 62 Question Id : 5531722176 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one among the following mentioned bamboos flower annually?

1. *Dendrocalamus strictus*
2. *Arundinaria wightiana*
3. *Bamboosa vulgaris*
4. *Dendrocalamus stocksii*

Options :

- 5531728645. 1
- 5531728646. 2
- 5531728647. 3
- 5531728648. 4

Question Number : 63 Question Id : 5531722177 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Chloro Fluoro Carbons (CFC's) are responsible for

1. Ozone protection
2. Ozone depletion
3. Ozone formation
4. Methane formation

Options :

- 5531728649. 1
- 5531728650. 2
- 5531728651. 3
- 5531728652. 4

Question Number : 64 Question Id : 5531722178 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The Institute of Forest Genetics and Tree breeding is located at

1. Bengaluru
2. Coimbatore
3. Jabalpur
4. Jhansi

Options :

5531728653. 1

5531728654. 2

5531728655. 3

5531728656. 4

Question Number : 65 Question Id : 5531722179 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Seed stand has two areas as

1. Breeding and production area
2. Buffer and production area
3. Good and bad area
4. Same species & different species area

Options :

5531728657. 1

5531728658. 2

5531728659. 3

5531728660. 4

Question Number : 66 Question Id : 5531722180 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Average height of dominant trees in a stand is called

1. Crop height
2. Mean height
3. Top height
4. Canopy height

Options :

5531728661. 1

5531728662. 2

5531728663. 3

5531728664. 4

Question Number : 67 Question Id : 5531722181 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The hardness in seed coat is due to which type of cells?

1. Parenchyma
2. Sclerenchyma
3. Collenchyma
4. Xylem

Options :

5531728665. 1

5531728666. 2

5531728667. 3

5531728668. 4

Question Number : 68 Question Id : 5531722182 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If a forest has a crop density of 1.1, it indicates that forest

1. is overstocked compared to yield table.
2. is overstocked compared to a regular forest.
3. is incomplete compared to a yield table.
4. has normal stocking compared to a regular forest.

Options :

5531728669. 1

5531728670. 2

5531728671. 3

5531728672. 4

Question Number : 69 Question Id : 5531722183 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Xylem of coniferous timbers is made up of

1. Tracheids and vessels
2. Tracheids only
3. Vessels only
4. Vessels and phloem

Options :

5531728673. 1

5531728674. 2

5531728675. 3

5531728676. 4

Question Number : 70 Question Id : 5531722184 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1



The amount of visible radiation received on surface of earth as a proportion of total solar radiation is about

1. 40%
2. 20%
3. 60%
4. 80%

**Options :**

5531728677. 1

5531728678. 2

5531728679. 3

5531728680. 4

**Question Number : 71 Question Id : 5531722185 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Wood is biodegradable because it can be reduced to its components as

1. Fibres of cells
2. Cellulose & carbohydrates
3. Simple sugars and lignin elements
4. Cellulose and hemicellulose

**Options :**

5531728681. 1

5531728682. 2

5531728683. 3

5531728684. 4

**Question Number : 72 Question Id : 5531722186 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Pneumatophores are associated with

1. Trees of arid regions
2. Trees of shola forests
3. Trees of cold forests
4. Trees of mangrove forests

**Options :**

5531728685. 1

5531728686. 2

5531728687. 3

5531728688. 4

**Question Number : 73 Question Id : 5531722187 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The ideal storage conditions for seed are those in which the following are reduced to minimum, without damaging the inherent vitality of seed.

1. Respiration & injury
2. Water loss & food loss
3. Colour & injury
4. Photosynthesis & light

Options :

- 5531728689. 1
- 5531728690. 2
- 5531728691. 3
- 5531728692. 4

Question Number : 74 Question Id : 5531722188 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Root suckers are a reliable method for regeneration of

1. *Diospyros tomentosa*
2. *Pinus roxburghii*
3. *Tectona grandis*
4. *Acacia auriculiformis*

Options :

- 5531728693. 1
- 5531728694. 2
- 5531728695. 3
- 5531728696. 4

Question Number : 75 Question Id : 5531722189 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which two seed physiological qualities are maintained at higher levels from harvesting to actual use in nursery?

1. Respiration & Transpiration
2. Heat & Photosynthesis
3. Viability & Vigour
4. Moisture content & Embryo quality

Options :

- 5531728697. 1
- 5531728698. 2
- 5531728699. 3
- 5531728700. 4

Question Number : 76 Question Id : 5531722190 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Red sanders tree is

1. *Pinus geradiana*
2. *Pterocarpus santalinus*
3. *Santalum album*
4. *Aquilaria agallocha*

Options :

5531728701. 1

5531728702. 2

5531728703. 3

5531728704. 4

Question Number : 77 Question Id : 5531722191 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A viable seed which fails to germinate even in suitable environment is

1. Vigorous seed
2. Viable seed
3. Dormant seed
4. Live seed

Options :

5531728705. 1

5531728706. 2

5531728707. 3

5531728708. 4

Question Number : 78 Question Id : 5531722192 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following trees can be classified as a 'shade bearer' of tropical wet evergreen forests?

1. *Callophyllum ionophyllum*
2. *Mesua ferrea*
3. *Xylia xylocarpa*
4. *Artocarpus heterophyllus*

Options :

5531728709. 1

5531728710. 2

5531728711. 3

5531728712. 4

Question Number : 79 Question Id : 5531722193 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Potential capacity of a seed to germinate is known as

1. Vigor of seed
2. Viability of seed
3. Dormancy of seed
4. Germination energy of seed

Options :

5531728713. 1

5531728714. 2

5531728715. 3

5531728716. 4

Question Number : 80 Question Id : 5531722194 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following can be classified as a frost hardy species?

1. *Dalbergia sissoo*
2. *Adina cordifolia*
3. *Tectona grandis*
4. *Boswellia serrata*

Options :

5531728717. 1

5531728718. 2

5531728719. 3

5531728720. 4

Question Number : 81 Question Id : 5531722195 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Gasification of wood is a process in which

1. Wood is burnt down.
2. Wood is broken into compounds.
3. Wood is broken down by use of heat to produce combustible gas.
4. Wood is broken down into useful gases

Options :

5531728721. 1

5531728722. 2

5531728723. 3

5531728724. 4

Question Number : 82 Question Id : 5531722196 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The state in India with maximum mangrove cover (ISFR-2015) is

1. Orissa
2. Andhra Pradesh
3. Gujarat
4. West Bengal

Options :

5531728725. 1

5531728726. 2

5531728727. 3

5531728728. 4

Question Number : 83 Question Id : 5531722197 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Heating biomass under pressure anaerobically upto 500°C to obtain gaseous & liquid hydrocarbons is known as

1. Wood distillation
2. Wood gasification
3. Pyrolysis
4. Destructive distillation

Options :

5531728729. 1

5531728730. 2

5531728731. 3

5531728732. 4

Question Number : 84 Question Id : 5531722198 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Wetting coefficient of soil is lowest in

1. Sandy soil
2. Sandy loam
3. Clay soil
4. Clay loam

Options :

5531728733. 1

5531728734. 2

5531728735. 3

5531728736. 4

Question Number : 85 Question Id : 5531722199 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The practice of cutting a stem of a tree in order to obtain a flush of shoots, usually above the height to which the browsing animals can reach is

1. Lopping
2. Pruning
3. Pollarding
4. Hacking

**Options :**

- 5531728737. 1
- 5531728738. 2
- 5531728739. 3
- 5531728740. 4

**Question Number : 86 Question Id : 5531722200 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

A hygrophyte is a plant that grows in

1. Moist areas
2. Water logged areas
3. Aerated soil with sufficient moisture
4. Aerated soil with deficient moisture

**Options :**

- 5531728741. 1
- 5531728742. 2
- 5531728743. 3
- 5531728744. 4

**Question Number : 87 Question Id : 5531722201 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is NOT vegetative propagation?

1. Coppice
2. Container raised plants
3. Grafting
4. Root sucker

**Options :**

- 5531728745. 1
- 5531728746. 2
- 5531728747. 3
- 5531728748. 4

**Question Number : 88 Question Id : 5531722202 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

About 50% of the dry weight of a plant is made up of

1. Nitrogen
2. Hydrogen
3. Carbon
4. Oxygen

Options :

5531728749. 1

5531728750. 2

5531728751. 3

5531728752. 4

Question Number : 89 Question Id : 5531722203 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

*Ginkgo biloba* is known as "living fossil" of the world because it

1. is extinct.
2. has fossilized.
3. has survived the changes on earth for millions of years.
4. can be used as fossil fuel.

Options :

5531728753. 1

5531728754. 2

5531728755. 3

5531728756. 4

Question Number : 90 Question Id : 5531722204 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which plant among the following can be classified as a total parasite?

1. *Cuscuta*
2. *Loranthus*
3. *Viscum*
4. *Arceuthobium*

Options :

5531728757. 1

5531728758. 2

5531728759. 3

5531728760. 4

Question Number : 91 Question Id : 5531722205 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Radar remote sensing can be categorized as

1. Normal remote sensing
2. High remote sensing
3. Active remote sensing
4. Passive remote sensing

Options :

5531728761. 1

5531728762. 2

5531728763. 3

5531728764. 4

Question Number : 92 Question Id : 5531722206 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The theory of plant succession leading to climax was proposed  
by

1. Dawson
2. Liocourt
3. Odum
4. Clements

Options :

5531728765. 1

5531728766. 2

5531728767. 3

5531728768. 4

Question Number : 93 Question Id : 5531722207 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A product released in the course of trans-esterification of crude  
biodiesel is

1. Methyl amine
2. Ethelene
3. Glycerin
4. Glyceraldehyde

Options :

5531728769. 1

5531728770. 2

5531728771. 3

5531728772. 4

Question Number : 94 Question Id : 5531722208 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1



Scientific name of Lion tailed macaque is

1. *Macaca silenus*
2. *Macaca aratoides*
3. *Macaca assamensis*
4. *Macaca namatoetrina*

Options :

5531728773. 1

5531728774. 2

5531728775. 3

5531728776. 4

Question Number : 95 Question Id : 5531722209 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A normal forest can be described as

1. Forest having all the species of trees & shrubs.
2. Forest which give annual or periodical yield equal to the increment without endangering future yield.
3. Forest which grows in the normal forest land.
4. Forest which has tall trees with straight stem.

Options :

5531728777. 1

5531728778. 2

5531728779. 3

5531728780. 4

Question Number : 96 Question Id : 5531722210 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Removal of only certain species of high value or trees above certain size and certain species without regard to silvicultural treatment is called

1. Selection felling
2. Regeneration felling
3. Improvement felling
4. Selective felling

Options :

5531728781. 1

5531728782. 2

5531728783. 3

5531728784. 4

Question Number : 97 Question Id : 5531722211 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A "yield table" is described as

1. A table which gives life data of trees.
2. A tabular statement which summarizes on unit area basis all the essential data relating to the development of a fully stocked even aged crop.
3. A tabular statement which gives on unit basis the yield of trees in a particular area.
4. A tabular statement which gives the life data of trees growing in a particular forest.

Options :

5531728785. 1

5531728786. 2

5531728787. 3

5531728788. 4

Question Number : 98 Question Id : 5531722212 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In a regeneration survey, the symbol 'w+' would indicate

1. Woody shoot, not yet established, but expected to establish soon considering its vigour & size.
2. Whippy unestablished seedling with height < 50 cm.
3. Woody shoot, which has been browsed.
4. Established regeneration whose height is > 2.5 m and diameter > 10 cm.

Options :

5531728789. 1

5531728790. 2

5531728791. 3

5531728792. 4

Question Number : 99 Question Id : 5531722213 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

What is the percentage of nitrogen in plants on dry weight basis?

1. 50%
2. 75%
3. 25%
4. 35%

Options :

5531728793. 1

5531728794. 2

5531728795. 3

5531728796. 4

Question Number : 100 Question Id : 5531722214 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

**Correct Marks : 4 Wrong Marks : 1**

The process of felling all poles of non-commercial species, under growth upto 10 m and girdling trees not required as seed trees (10-20 m) is called

1. Improvement felling
2. Regeneration felling
3. Canopy lifting
4. Selective felling

**Options :**

5531728797. 1

5531728798. 2

5531728799. 3

5531728800. 4

**Question Number : 101 Question Id : 5531722215 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The vegetation of Southern Tropical Wet Evergreen Forest comprises

1. Dipterocarpus, Hopea, Mesua, Artocarpus etc.
2. Sal, Teak, Dendrocalamus, Syzgium etc.
3. Terminalia, Largetstroemia, Dalbengia etc.
4. Diospyros, Bamboos, Acacias etc.

**Options :**

5531728801. 1

5531728802. 2

5531728803. 3

5531728804. 4

**Question Number : 102 Question Id : 5531722216 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Major nutrients or macro-nutrients i.e. minerals required in large quantities by plants are

1. Iron, manganese, copper, boron
2. Nitrogen, phosphorous, potassium, calcium, magnesium, sulphur
3. Zinc, copper, molybdenum, iron
4. Oxygen, hydrogen, nitrogen, carbon

**Options :**

5531728805. 1

5531728806. 2

5531728807. 3

5531728808. 4

**Question Number : 103 Question Id : 5531722217 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Longest living tree of the world is

1. *Tectona grandis*
2. *Platanus orientalis*
3. *Sequoia sempervirens*
4. *Pseudotsuga taxifolia*

Options :

5531728809. 1

5531728810. 2

5531728811. 3

5531728812. 4

Question Number : 104 Question Id : 5531722218 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

'Ecotype' is described as variations in a species which

1. are temporary.
2. are genetically fixed.
3. are genetically not related.
4. can't be measured.

Options :

5531728813. 1

5531728814. 2

5531728815. 3

5531728816. 4

Question Number : 105 Question Id : 5531722219 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The most important human activity leading to the extinction of wildlife is

1. Diseases of human spread to wildlife.
2. Hunting of wildlife for valuable products.
3. Alteration and destruction of natural habitats.
4. Introduction of alien species in our ecosystem.

Options :

5531728817. 1

5531728818. 2

5531728819. 3

5531728820. 4

Question Number : 106 Question Id : 5531722220 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

One Horned Rhinoceros lives in swampy and marshy lands of

1. Tamil Nadu & Kerala
2. Assam & West Bengal
3. Uttar Pradesh & Bihar
4. Maharashtra & Telangana

Options :

5531728821. 1

5531728822. 2

5531728823. 3

5531728824. 4

Question Number : 107 Question Id : 5531722221 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Glory lily (*Gloriosa superba*) is a medicinal plant and its chief medicinal properties are that it

1. yields aromatic oil which is used for skin care.
2. yields colchicine, used for treatment of gout and polyploid breeding.
3. yields drug used for cardio vascular diseases.
4. is the primary source of menthol.

Options :

5531728825. 1

5531728826. 2

5531728827. 3

5531728828. 4

Question Number : 108 Question Id : 5531722222 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If a soil test data indicates 12% exchangeable sodium, 0.15% soluble salt and a pH of 8.0, it would be classified as

1. Saline soil
2. Alkaline soil
3. Sodic soil
4. Saline-Alkaline soil

Options :

5531728829. 1

5531728830. 2

5531728831. 3

5531728832. 4

Question Number : 109 Question Id : 5531722223 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In *Atropa belladonna*, the commercial drug is obtained from

1. Roots only
2. Leaves, flowering tops and roots
3. Flowering tops only
4. Bark

Options :

5531728833. 1

5531728834. 2

5531728835. 3

5531728836. 4

Question Number : 110 Question Id : 5531722224 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Annual yield according to Von Mantel's formula

1.  $\frac{GS}{2r}$
2.  $\frac{2 \times G \cdot S}{r}$
3.  $\frac{GS}{3r}$
4.  $\frac{G \cdot S}{r}$

Options :

5531728837. 1

5531728838. 2

5531728839. 3

5531728840. 4

Question Number : 111 Question Id : 5531722225 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The timbers which can withstand rapid seasoning are termed as

1. Highly refractory woods
2. Non refractory woods
3. Durable woods
4. Non-durable woods

Options :

5531728841. 1

5531728842. 2

5531728843. 3

5531728844. 4

Question Number : 112 Question Id : 5531722226 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If the normal growing stock of a forest is 350 m<sup>3</sup>/ha as per yield table method and 800 m<sup>3</sup>/ha as per MAI method. The Flurry's Constant would be

1. 2.2
2. 22.6
3. 47
4. 0.47

**Options :**

5531728845. 1

5531728846. 2

5531728847. 3

5531728848. 4

**Question Number : 113 Question Id : 5531722227 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Seasoning defects in wood are

1. Cross grain, stains & splits
2. Warping, cracking & shrinking
3. Loosing lustre, loosing colour and loosing shape
4. Holes, decay, pitch pockets

**Options :**

5531728849. 1

5531728850. 2

5531728851. 3

5531728852. 4

**Question Number : 114 Question Id : 5531722228 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The increment percent according to the Schneider's formula (n- no of annual rings in last inch of tree, D is DBH)

1.  $\frac{200}{nD}$
2.  $\frac{n}{D} \times 100$
3.  $\frac{100}{nD}$
4.  $\frac{400}{nD}$

**Options :**

5531728853. 1

5531728854. 2

5531728855. 3

5531728856. 4

Question Number : 115 Question Id : 5531722229 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The edible part of nutmeg is

1. Leaves
2. Fruit
3. Flower
4. Aril

Options :

5531728857. 1

5531728858. 2

5531728859. 3

5531728860. 4

Question Number : 116 Question Id : 5531722230 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The volume of a forest at 70 years was  $100\text{m}^3$  and the volume 10 years ago was  $70\text{m}^3$ . The increment percent of the forest would be

1. 4.2
2. 4.8
3. 3.5
4. 4.0

Options :

5531728861. 1

5531728862. 2

5531728863. 3

5531728864. 4

Question Number : 117 Question Id : 5531722231 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The calorific value of wood is quantitatively expressed as the number of heat units obtained

1. by complete combustion of a unit mass of wood.
2. to warm water by  $10^\circ\text{C}$ .
3. by burning of wood.
4. by combustion with hydrogen.

Options :

5531728865. 1

5531728866. 2

5531728867. 3

5531728868. 4



Question Number : 118 Question Id : 5531722232 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Identify the correct statement from the ones mentioned below.

1. CAI curve is always higher than MAI curve.
2. MAI curve is always higher than CAI curve.
3. CAI curve and MAI curve meets at two points in the life time of a crop.
4. The rotation of maximum volume production is when CAI curve is at maximum.

Options :

5531728869. 1

5531728870. 2

5531728871. 3

5531728872. 4

Question Number : 119 Question Id : 5531722233 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A classic example of ring porous wood among Indian timbers is

1. *Salix alba* & *popular ciliata*
2. *Tectona grandis* & *Toona ciliate*
3. *Shorea robusta* & *Lagerstroemia parviflora*
4. *Cedrus deodara* & *Pinus wallichiana*

Options :

5531728873. 1

5531728874. 2

5531728875. 3

5531728876. 4

Question Number : 120 Question Id : 5531722234 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In an irregular forest, the ideal silvicultural system that ensures irregular nature of the crop is

1. Shelter wood system
2. Selective system
3. Uniform system
4. Selection system

Options :

5531728877. 1

5531728878. 2

5531728879. 3

5531728880. 4

Question Number : 121 Question Id : 5531722235 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

While grading timber which of the following defects are taken into consideration?

1. Log length, log taper, log diameter
2. Check, Decay, Flutes, Knots
3. Grain, quantity of sap wood, taper
4. Straightness, surface cracks, curvature

Options :

5531728881. 1

5531728882. 2

5531728883. 3

5531728884. 4

Question Number : 122 Question Id : 5531722236 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The number of coupes in clear felling system is a function of

1. Area of plantation alone
2. Rotation of the species alone
3. Area of the plantation and rotation of the species
4. Site quantity of the plantation and rotation of the species

Options :

5531728885. 1

5531728886. 2

5531728887. 3

5531728888. 4

Question Number : 123 Question Id : 5531722237 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Sawn timber can be obtained in the form of

1. Squares, Poles, Sleepers, Rounds
2. Logs, Hakries, Trimmed wood
3. Beams, Scantlings, Planks
4. Baulks, Stacks, Rafts

Options :

5531728889. 1

5531728890. 2

5531728891. 3

5531728892. 4

Question Number : 124 Question Id : 5531722238 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Normal series of age gradation refers to presence of all

1. ages from pole stage to rotation age.
2. ages from one year to rotation age.
3. ages from half rotation age to rotation age.
4. age classes from 1-5 years class to rotation age.

Options :

5531728893. 1

5531728894. 2

5531728895. 3

5531728896. 4

Question Number : 125 Question Id : 5531722239 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

What is a particle board?

1. A board or sheet constituted from fragments of wood or other ligno-cellulosic materials bounded with organic binders with the help of heat & pressure.
2. A board having a core of light material faced on both sides, with relatively thin layer having high strength properties.
3. A board built up of a core compound of strips of wood of various dimensions.
4. It is chemically modified wood to make it less hygroscopic.

Options :

5531728897. 1

5531728898. 2

5531728899. 3

5531728900. 4

Question Number : 126 Question Id : 5531722240 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The rotation which coincides with the natural lease of life of a species at a given site is called

1. Silvicultural rotation
2. Technical rotation
3. Physical rotation
4. Biological rotation

Options :

5531728901. 1

5531728902. 2

5531728903. 3

5531728904. 4

Question Number : 127 Question Id : 5531722241 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The Forest Conservation Act was promulgated in which year?

1. 1982
2. 1972
3. 1988
4. 1980

Options :

5531728905. 1

5531728906. 2

5531728907. 3

5531728908. 4

Question Number : 128 Question Id : 5531722242 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The rotation that yields highest return on invested capital is called

1. Financial rotation
2. Rotation of highest income
3. Technical rotation
4. Rotation of maximum volume production

Options :

5531728909. 1

5531728910. 2

5531728911. 3

5531728912. 4

Question Number : 129 Question Id : 5531722243 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Calculate spacing between rows in which plants are 2.5 m apart  
if the plantation has 1000 plants per hectare.

1. 5 m
2. 3.5 m
3. 4 m
4. 6 m

Options :

5531728913. 1

5531728914. 2

5531728915. 3

5531728916. 4

Question Number : 130 Question Id : 5531722244 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Hydroxy citric acid, a natural appetite suppressant is found in

1. *Garcinia gummigutta*
2. *Strychnos nuxvomica*
3. *Saraca asoka*
4. *Acgle marmelos*

**Options :**

5531728917. 1

5531728918. 2

5531728919. 3

5531728920. 4

**Question Number : 131 Question Id : 5531722245 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

What is stump planting?

1. Planting of stump or root
2. Root cutting
3. Shoot cutting
4. Planting of grafts

**Options :**

5531728921. 1

5531728922. 2

5531728923. 3

5531728924. 4

**Question Number : 132 Question Id : 5531722246 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The tree that occupies more than its fair share of growing space in a woodland is

1. Buttressed tree
2. Fluted tree
3. Wolf tree
4. Clear bole tree

**Options :**

5531728925. 1

5531728926. 2

5531728927. 3

5531728928. 4

**Question Number : 133 Question Id : 5531722247 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Specific gravity of wood can be calculated by the formula

1.  $\frac{\text{Weight of wood}}{\text{Weight of water}}$
2.  $\frac{\text{Weight of piece of wood}}{\text{Weight of volume of water displaced by the same piece of wood}}$
3.  $\frac{\text{Weight of wood in kg}}{\text{Volume of water in cubic inches}}$
4.  $\frac{\text{Weight of water}}{\text{Weight of wood}}$

Options :

5531728929. 1

5531728930. 2

5531728931. 3

5531728932. 4

Question Number : 134 Question Id : 5531722248 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following is a criterion for selecting a region as a biodiversity hotspot?

1. Biodiversity and extent of area
2. Species endemism and degree of threat
3. Biodiversity and species richness
4. Biodiversity and degree of threat

Options :

5531728933. 1

5531728934. 2

5531728935. 3

5531728936. 4

Question Number : 135 Question Id : 5531722249 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Quarter girth formula is used to calculate the volume of logs. The formula is

1.  $\frac{g}{4} \times l$
2.  $\left(\frac{g}{4}\right)^2 \times l$
3.  $\left(\frac{d.b.h}{4}\right)^2 \times l$
4.  $\frac{d.b.h}{4} \times l$

Options :

5531728937. 1

5531728938. 2

5531728939. 3

5531728940. 4

**Question Number : 136 Question Id : 5531722250 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Which among the following is NOT a type of particle board?

1. Chip Board
2. Flake Board
3. Sharing Board
4. Lamin Board

**Options :**

5531728941. 1

5531728942. 2

5531728943. 3

5531728944. 4

**Question Number : 137 Question Id : 5531722251 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Identify the principle on which all instruments used to measure height of trees is based on.

1. Similar triangles or trigonometrical principles.
2. Parallel lines can't meet.
3. Rectangular principles.
4. Triangles having similar angles are equal.

**Options :**

5531728945. 1

5531728946. 2

5531728947. 3

5531728948. 4

**Question Number : 138 Question Id : 5531722252 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Who among the following can be described as the first entomologist of India?

1. E.P. Stebbing
2. A.D. Imms
3. E.C. Beeson
4. H.M. Lefroy

**Options :**

5531728949. 1

5531728950. 2

5531728951. 3

5531728952. 4

**Question Number : 139 Question Id : 5531722253 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

The appearance of soil in vertical section with particular reference to the presence of layers that are differentiated is

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

**Options :**

5531728953. 1

5531728954. 2

5531728955. 3

5531728956. 4

**Question Number : 140 Question Id : 5531722254 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Which among the following is the most natural system in tropical forestry?

1. Shelter wood system
2. Clear felling system
3. Selection system
4. Uniform system

**Options :**

5531728957. 1

5531728958. 2

5531728959. 3

5531728960. 4

**Question Number : 141 Question Id : 5531722255 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Timber obtained from coniferous trees is

1. Soft wood
2. Hard wood
3. Porous wood
4. Sap wood

**Options :**

5531728961. 1

5531728962. 2

5531728963. 3

5531728964. 4



Question Number : 142 Question Id : 5531722256 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The classification of seeds into micro, meso and macro biotic was put forth by

1. Robert
2. Ewart
3. Stuart
4. Pammenter

Options :

5531728965. 1

5531728966. 2

5531728967. 3

5531728968. 4

Question Number : 143 Question Id : 5531722257 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is known as Smalian's Formula for calculating the volume of logs ?

1.  $S_m \times l$
2.  $\frac{S_1 + 4S_m \times S_2}{6} \times l$
3.  $\frac{S_1 + S_2}{2} \times l$
4.  $\frac{l}{S_1 + S_2} \times g$

Options :

5531728969. 1

5531728970. 2

5531728971. 3

5531728972. 4

Question Number : 144 Question Id : 5531722258 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

When Eucalyptus is planted at a spacing of 1m × 2m the number of plants will be

1. 5000
2. 10,000
3. 4000
4. 2500

Options :

5531728973. 1

5531728974. 2

5531728975. 3

5531728976. 4

Question Number : 145 Question Id : 5531722259 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Poplars and Willows belong to which of the following family?

1. Meliaceae
2. Dipterocarpaceae
3. Salicaceae
4. Verbenaceae

Options :

5531728977. 1

5531728978. 2

5531728979. 3

5531728980. 4

Question Number : 146 Question Id : 5531722260 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Hundred cubic meter of wood is equivalent to

1. 3531 cubic feat
2. 7062 cubic feat
3. 353.1 cubic feat
4. 706.2 cubic feat

Options :

5531728981. 1

5531728982. 2

5531728983. 3

5531728984. 4

Question Number : 147 Question Id : 5531722261 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Height of trees can be determined without horizontal distance measurement using

1. Haga altimeter
2. Blume Leiss hypsometer
3. Laser hypsometer
4. Ravi multimeter

Options :

5531728985. 1

5531728986. 2

5531728987. 3

5531728988. 4

Question Number : 148 Question Id : 5531722262 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Identify the type of sampling in which each unit has the same probability of being sampled.

1. Sequential sampling
2. Random sampling
3. Systematic sampling
4. Stratified sampling

Options :

5531728989. 1

5531728990. 2

5531728991. 3

5531728992. 4

Question Number : 149 Question Id : 5531722263 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Crop diameter corresponds to

1. Mean diameter of 250 dominant trees per ha.
2. Diameter corresponding to mean Basal Area of the crop.
3. Average diameter of all trees in a stand.
4. Diameter corresponding to the average crop height.

Options :

5531728993. 1

5531728994. 2

5531728995. 3

5531728996. 4

Question Number : 150 Question Id : 5531722264 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The land use factor (L) in shifting cultivation where permanent cultivation is reached (zero fallow phase) through improved fallow management will be

1.  $>10$
2.  $= 1$
3.  $< 1$
4.  $= 0$

Options :

5531728997. 1

5531728998. 2

5531728999. 3

5531729000. 4

Question Number : 151 Question Id : 5531722265 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If 80 chromatids are present in the beginning of meiosis, then chromosomes present in the cell after completion of cell division will be

1. 40
2. 80
3. 20
4. 10

Options :

5531729001. 1

5531729002. 2

5531729003. 3

5531729004. 4

Question Number : 152 Question Id : 5531722266 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

African Padauk is

1. *Tectona grandis*
2. *Pterocarpus soyauxii*
3. *Pterocarpus marsupium*
4. *Artocarpus hirsutus*

Options :

5531729005. 1

5531729006. 2

5531729007. 3

5531729008. 4

Question Number : 153 Question Id : 5531722267 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The bacteria used in genetic engineering is

1. *Agrobacterium* spp.
2. *Rhizobium* spp.
3. *Frankin* spp.
4. *Escherichia coli*

Options :

5531729009. 1

5531729010. 2

5531729011. 3

5531729012. 4

Question Number : 154 Question Id : 5531722268 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Veneer matching done by colour and not by grain is called

1. Slip matching
2. Random matching
3. Book matching
4. Pleasing matching

Options :

5531729013. 1

5531729014. 2

5531729015. 3

5531729016. 4

Question Number : 155 Question Id : 5531722269 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Aswagandha is

1. *Withania somnifera*
2. *Commiphora mukal*
3. *Cymbopogon flexuosus*
4. *Jasminum grandiflorum*

Options :

5531729017. 1

5531729018. 2

5531729019. 3

5531729020. 4

Question Number : 156 Question Id : 5531722270 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

When Veneer slices are joined in sequence without flipping the pattern it is called

1. Book matching
2. Slip matching
3. Pleasing matching
4. Random matching

Options :

5531729021. 1

5531729022. 2

5531729023. 3

5531729024. 4

Question Number : 157 Question Id : 5531722271 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Isabgol (*Plantago ovate*) is important for its

1. Roots leaves
2. Bark & roots
3. Seed & husks
4. Leaves & twigs

**Options :**

5531729025. 1

5531729026. 2

5531729027. 3

5531729028. 4

**Question Number : 158 Question Id : 5531722272 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Most widely used method of veneering is

1. Slicing
2. Sawing
3. Peeling
4. Cutting

**Options :**

5531729029. 1

5531729030. 2

5531729031. 3

5531729032. 4

**Question Number : 159 Question Id : 5531722273 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Genetic engineering is a technique in which

1. DNA of two organisms is joined with each other.
2. DNA is analyzed.
3. DNA & RNA is processed.
4. Genetic code of an organism is deciphered.

**Options :**

5531729033. 1

5531729034. 2

5531729035. 3

5531729036. 4

**Question Number : 160 Question Id : 5531722274 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

For the manufacture of paper, the pulp should contain more

1. Lignin
2. Hemicellulose
3. Pectin
4. Cellulose

**Options :**

5531729037. 1

5531729038. 2

5531729039. 3

5531729040. 4