

# National Testing Agency

<b>Question Paper Name :</b>	Forestry Agroforestry 23rd Sep 2020 Shift 2
<b>Subject Name :</b>	Forestry Agroforestry
<b>Creation Date :</b>	2020-09-23 19:33:45
<b>Duration :</b>	120
<b>Total Marks :</b>	480
<b>Display Marks:</b>	Yes
<b>Share Answer Key With Delivery Engine :</b>	Yes
<b>Actual Answer Key :</b>	Yes

## Forestry Agroforestry

<b>Group Number :</b>	1
<b>Group Id :</b>	71087062
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	120
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	480
<b>Is this Group for Examiner? :</b>	No

## Part A General Knowledge

<b>Section Id :</b>	710870184
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	20

**Number of Questions to be attempted :** 20  
**Section Marks :** 80  
**Display Number Panel :** Yes  
**Group All Questions :** Yes  
**Mark As Answered Required? :** Yes  
**Sub-Section Number :** 1  
**Sub-Section Id :** 710870184  
**Question Shuffling Allowed :** Yes

**Question Number : 1 Question Id : 7108707381 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which one of the following crops is a commercial crop in Punjab and Haryana but is a subsistence crop in Orissa?

1. Tea
2. Cotton
3. Rubber
4. Rice

**Options :**

71087029521. 1  
71087029522. 2  
71087029523. 3  
71087029524. 4

**Question Number : 2 Question Id : 7108707382 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which of the following are the two most important wheat-growing zones of the country?

- A. Ganga-Satluj plains in the north-west
- B. Deltaic regions
- C. Black soil region of the Deccan
- D. Plains of north-east

Choose the **correct** answer from the options below:

- 1. Only A and B
- 2. Only B and C
- 3. Only C and D
- 4. Only A and C

**Options :**

- 71087029525. 1
- 71087029526. 2
- 71087029527. 3
- 71087029528. 4

**Question Number : 3 Question Id : 7108707383 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Indian agriculture is typically characterized as

- 1. Land surplus, labour scarce economy
- 2. Land surplus, labour surplus economy
- 3. Land scarce, labour surplus economy
- 4. Land scarce, labour scarce economy

**Options :**

- 71087029529. 1

71087029530. 2

71087029531. 3

71087029532. 4

**Question Number : 4 Question Id : 7108707384 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which one of the following countries is the main rival of India in tea export?

1. China
2. Japan
3. Germany
4. Sri Lanka

**Options :**

71087029533. 1

71087029534. 2

71087029535. 3

71087029536. 4

**Question Number : 5 Question Id : 7108707385 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Given below are two statements

**Statement A:** MSP is declared by the government every year to provide incentives to the farmers for raising the production of crops.

**Statement B:** Buffer stock is created to distribute food grains in the deficit areas and among the poorer strata of the society at the lower price than the market price.

In light of the above statements, choose the **most appropriate** answer from the options given below

1. Both Statement A and Statement B are correct
2. Both Statement A and Statement B are incorrect
3. Statement A is correct but Statement B is incorrect
4. Statement A is incorrect but Statement B is correct

**Options :**

71087029537. 1

71087029538. 2

71087029539. 3

71087029540. 4

**Question Number : 6 Question Id : 7108707386 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following is a global association of nations of the world to help cooperation in international law, security, economic development and social equity?

1. United Nations Organization
2. International Monetary Fund
3. World Bank
4. World Health Organization

**Options :**

- 71087029541. 1
- 71087029542. 2
- 71087029543. 3
- 71087029544. 4

**Question Number : 7 Question Id : 7108707387 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Under the Ganga Action Plan Phase II, pollution abatement works are being taken up in how many towns?

- 1. 57
- 2. 65
- 3. 52
- 4. 69

**Options :**

- 71087029545. 1
- 71087029546. 2
- 71087029547. 3
- 71087029548. 4

**Question Number : 8 Question Id : 7108707388 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following statements is **incorrect**?

- 1. The highest number of pigs in the world are found in India
- 2. Utter Pradesh provides largest amount of pork
- 3. Assam has the largest number of pork producing pigs
- 4. Pork constitutes about 7.6% of the total meat produced in India

**Options :**

71087029549. 1  
71087029550. 2  
71087029551. 3  
71087029552. 4

**Question Number : 9 Question Id : 7108707389 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which type of N-fertilizer is suitable for water-logged soils?

1. Zinc Phosphate
2. Ammonium Sulphate
3. Calcium
4. Potassium Nitrate

**Options :**

71087029553. 1  
71087029554. 2  
71087029555. 3  
71087029556. 4

**Question Number : 10 Question Id : 7108707390 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The famous Bailadila range of hills in the Bastar district of Chhattisgarh is famous for its

1. Bauxite deposits
2. Manganese deposits
3. Copper deposits
4. High-grade haematite deposits

**Options :**

71087029557. 1

71087029558. 2

71087029559. 3

71087029560. 4

**Question Number : 11 Question Id : 7108707391 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

A farmer wishes to start a 100 sq. m rectangular vegetable garden. Since he has only 30m barbed wire, he fences three sides of the garden letting his house compound wall act as the fourth side fencing. What is the dimension of the garden?

1. 15 m x 6.67m
2. 20 m x 5 m
3. 30 m x 3.33 m
4. 40 m x 2.5 m

**Options :**

71087029561. 1

71087029562. 2

71087029563. 3

71087029564. 4

**Question Number : 12 Question Id : 7108707392 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

In which one of the following industries, the consumption of natural rubber is the largest?

1. Auto tyres and tubes
2. Footwear
3. Dipped goods
4. Latex foam

**Options :**



71087029565. 1  
71087029566. 2  
71087029567. 3  
71087029568. 4

**Question Number : 13 Question Id : 7108707393 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which one of the following countries was the partner country of 34<sup>th</sup> Surajkund International Crafts Fair held in Haryana?

1. China
2. Nepal
3. Bhutan
4. Uzbekistan

**Options :**

71087029569. 1  
71087029570. 2  
71087029571. 3  
71087029572. 4

**Question Number : 14 Question Id : 7108707394 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Nobel laureate Abhijit Vinayak Banerjee was conferred the honorary Doctor of Letters (D. Litt.) by which University?

1. University of Delhi
2. University of Kolkata
3. University of Mumbai
4. University of Hyderabad

**Options :**

- 71087029573. 1
- 71087029574. 2
- 71087029575. 3
- 71087029576. 4

**Question Number : 15 Question Id : 7108707395 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Where is the headquarters of European Union?

- 1. Geneva, Switzerland
- 2. Washington D.C., USA
- 3. New York, US
- 4. Brussels, Belgium

**Options :**

- 71087029577. 1
- 71087029578. 2
- 71087029579. 3
- 71087029580. 4

**Question Number : 16 Question Id : 7108707396 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which of the following would be deficient if one finds high somatic cell count in the cow's milk?

- 1. Butterfat
- 2. Whey protein
- 3. Casein
- 4. Trace minerals

**Options :**

- 71087029581. 1
- 71087029582. 2
- 71087029583. 3
- 71087029584. 4

**Question Number : 17 Question Id : 7108707397 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Who was the first administrator-statesman to attempt planning as a means for economic development?

- 1. C. Rajagopalachari
- 2. V. T. Krishnamachari
- 3. M. Viswesvarayya
- 4. Sir C. P. Ramaswami Aiyar

**Options :**

- 71087029585. 1
- 71087029586. 2
- 71087029587. 3
- 71087029588. 4

**Question Number : 18 Question Id : 7108707398 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Amazon rainforest span over nine countries. In August 2019, in which country did a deadly fire broke out in the Amazon forest?

- 1. Brazil
- 2. Venezuela
- 3. Colombia
- 4. Argentina

**Options :**

- 71087029589. 1
- 71087029590. 2
- 71087029591. 3
- 71087029592. 4

**Question Number : 19 Question Id : 7108707399 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Economic liberalization in India started with

- 1. Sustainable changes in industrial licensing policy
- 2. The convertibility of the Indian Rupee
- 3. Significant reduction of tax rates
- 4. Changes in procedural formalities for FDI

**Options :**

- 71087029593. 1
- 71087029594. 2
- 71087029595. 3
- 71087029596. 4

**Question Number : 20 Question Id : 7108707400 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The term 'Delimitation' which was in news recently is associated with which process?

- 1. Fixing the limit of Income tax
- 2. Fixing limits of Affordable housing
- 3. Fixing limits of Territorial constituencies
- 4. Fixing limits of Chairpersons salary

**Options :**

- 71087029597. 1

71087029598. 2  
71087029599. 3  
71087029600. 4

## Part B Core Natural Resource Management I

Section Id :	710870185
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	710870185
Question Shuffling Allowed :	Yes

**Question Number : 21 Question Id : 7108707401 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The host plant of *Striga* is

1. Tomato
2. Tobacco
3. Cotton
4. Sugarcane

**Options :**

71087029601. 1  
71087029602. 2

71087029603. 3

71087029604. 4

**Question Number : 22 Question Id : 7108707402 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

The suitable mechanical measure in areas having mildly sloping land with high rainfall (> 800 mm) and relatively impermeable clayey soils is

1. Contour bunding
2. Ridge tying
3. Graded bunding
4. Bench terracing

**Options :**

71087029605. 1

71087029606. 2

71087029607. 3

71087029608. 4

**Question Number : 23 Question Id : 7108707403 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

A researcher wants to layout an experiment with four irrigation levels and three fertilizer dose levels. Which one of the following will be a suitable field plot design with main plot treatments?

1. RCBD; either irrigation or fertilizer levels as main plot
2. LSD; irrigation as main plot
3. Factorial experiment; fertilizer as main plot
4. Split plot; irrigation levels as main plot

**Options :**

71087029609. 1  
71087029610. 2  
71087029611. 3  
71087029612. 4

**Question Number : 24 Question Id : 7108707404 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Capillary water is held by the forces of

1. Adhesion
2. Surface tension
3. Gravitational
4. Viscosity

**Options :**

71087029613. 1  
71087029614. 2  
71087029615. 3  
71087029616. 4

**Question Number : 25 Question Id : 7108707405 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The phenomenon of heat evolution when dry soil is placed in water is known as

1. Thixotrophy
2. Heat of wetting
3. Surface tension
4. Plasticity

**Options :**

71087029617. 1  
71087029618. 2

71087029619. 3

71087029620. 4

**Question Number : 26 Question Id : 7108707406 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Most destructive form of precipitation is

1. Rain
2. Rime
3. Snow
4. Hail

**Options :**

71087029621. 1

71087029622. 2

71087029623. 3

71087029624. 4

**Question Number : 27 Question Id : 7108707407 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

In case of fog, visibility is reduced to

1. 7 km
2. 2-5 km
3. 1-2 km
4. < 1 km

**Options :**

71087029625. 1

71087029626. 2

71087029627. 3

71087029628. 4



**Question Number : 28 Question Id : 7108707408 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

The greenhouse gas exclusively of industrial origin is

1. CFC
2. N<sub>2</sub>O
3. CO<sub>2</sub>
4. NH<sub>4</sub>

**Options :**

71087029629. 1

71087029630. 2

71087029631. 3

71087029632. 4

**Question Number : 29 Question Id : 7108707409 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

If spacing of crop is 50 x 20 cm, then per hectare plant population will be

1. 8000
2. 10000
3. 11000
4. 12000

**Options :**

71087029633. 1

71087029634. 2

71087029635. 3

71087029636. 4

**Question Number : 30 Question Id : 7108707410 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is**

**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

IST is calculated based on longitude of

1. Delhi
2. Patna
3. Allahabad
4. Mumbai

**Options :**

71087029637. 1

71087029638. 2

71087029639. 3

71087029640. 4

**Question Number : 31 Question Id : 7108707411 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is**

**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Average annual precipitation of earth is

1. 300 mm
2. 850 mm
3. 1050 mm
4. 1150 mm

**Options :**

71087029641. 1

71087029642. 2

71087029643. 3

71087029644. 4

**Question Number : 32 Question Id : 7108707412 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is**

**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

A mineral deficiency is likely to affect older leaves than younger leaves of a plant if

1. The mineral is a micronutrient
2. The mineral is mobile in plants
3. The element is part of chlorophyll
4. The element is a macronutrient

**Options :**

71087029645. 1

71087029646. 2

71087029647. 3

71087029648. 4

**Question Number : 33 Question Id : 7108707413 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Adjustment of individuals to their environment by means of a special structure or function is called

1. Mutation
2. Variation
3. Heredity
4. Adaptation

**Options :**

71087029649. 1

71087029650. 2

71087029651. 3

71087029652. 4

**Question Number : 34 Question Id : 7108707414 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

A chromosomal abnormality where a homologous pair of chromosomes are lacking from the normal diploid is called

1. Nullisomy
2. Monosomy
3. Trisomy
4. Tetrasomy

**Options :**

71087029653. 1  
71087029654. 2  
71087029655. 3  
71087029656. 4

**Question Number : 35 Question Id : 7108707415 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

In an irrigated field, crops lose water through

1. Evaporation
2. Evapotranspiration
3. Leaching
4. Erosion

**Options :**

71087029657. 1  
71087029658. 2  
71087029659. 3  
71087029660. 4

**Question Number : 36 Question Id : 7108707416 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The wind which affects the weather but NOT climate is called

1. Variable wind
2. Local wind
3. Periodical wind
4. Trade wind

**Options :**

71087029661. 1  
71087029662. 2  
71087029663. 3  
71087029664. 4

**Question Number : 37 Question Id : 7108707417 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

The superiority of F1 over the better parent is known as

1. Mid parent heterosis
2. Average heterosis
3. Commercial heterosis
4. Heterobeliosis

**Options :**

71087029665. 1  
71087029666. 2  
71087029667. 3  
71087029668. 4

**Question Number : 38 Question Id : 7108707418 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Soil acidity develops by

1. Rainfall and chemical weathering of parent material
2. Temperature and humidity
3. Physical weathering and wind blow
4. Sunshine hours

**Options :**

- 71087029669. 1
- 71087029670. 2
- 71087029671. 3
- 71087029672. 4

**Question Number : 39 Question Id : 7108707419 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

The latest nutrient added to the list of essential elements is

1. Mo
2. B
3. Cl
4. Ni

**Options :**

- 71087029673. 1
- 71087029674. 2
- 71087029675. 3
- 71087029676. 4

**Question Number : 40 Question Id : 7108707420 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Differences among the experimental units treated alike are known as

1. Mean sum of squares
2. Experimental error
3. Treatment sum of square
4. Critical difference

**Options :**

71087029677. 1

71087029678. 2

71087029679. 3

71087029680. 4

**Question Number : 41 Question Id : 7108707421 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

If the organic carbon content of a soil is less than 0.5%, organic carbon status in the soil is

1. High
2. Optimum
3. Medium
4. Low

**Options :**

71087029681. 1

71087029682. 2

71087029683. 3

71087029684. 4

**Question Number : 42 Question Id : 7108707422 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which of the following soil structures has the highest hydraulic conductivity?

1. Platy
2. Prismatic
3. Crumby
4. Blockey

**Options :**

71087029685. 1  
71087029686. 2  
71087029687. 3  
71087029688. 4

**Question Number : 43 Question Id : 7108707423 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

At saturation capacity, the movement of water is

1. Sluggish
2. Free
3. Unsaturated
4. Vapour

**Options :**

71087029689. 1  
71087029690. 2  
71087029691. 3  
71087029692. 4

**Question Number : 44 Question Id : 7108707424 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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



*Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) focuses on*

1. Intensive type of irrigation
2. Critical stage irrigation
3. Alternate furrow irrigation
4. Per drop more crop

**Options :**

- 71087029693. 1
- 71087029694. 2
- 71087029695. 3
- 71087029696. 4

**Question Number : 45 Question Id : 7108707425 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

*Colchicine is generally used for*

1. Chromosome doubling
2. Mutation
3. Selfing
4. Hybridisation

**Options :**

- 71087029697. 1
- 71087029698. 2
- 71087029699. 3
- 71087029700. 4

**Question Number : 46 Question Id : 7108707426 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

A seed pretreatment recommended to break physiological dormancy in many forest seeds is to treat seeds with

1. NAA
2. ABA
3. GA
4. IAA

**Options :**

71087029701. 1  
71087029702. 2  
71087029703. 3  
71087029704. 4

**Question Number : 47 Question Id : 7108707427 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which of the following is true of an ecosystem?

1. Primary consumers are least dependent on producers
2. Primary consumers outnumber producers
3. Producers are more than primary consumers
4. Secondary consumers are the largest and most powerful

**Options :**

71087029705. 1  
71087029706. 2  
71087029707. 3  
71087029708. 4

**Question Number : 48 Question Id : 7108707428 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

When is the wildlife week celebrated in India?

1. First week of June
2. First week of November
3. First week of October
4. First week of December

**Options :**

71087029709. 1

71087029710. 2

71087029711. 3

71087029712. 4

**Question Number : 49 Question Id : 7108707429 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

FACE experiments are concerned with

1. Analysing carbon trade scenarios
2. Global biodiversity protection
3. Ecosystem process and elevated CO<sub>2</sub> evaluation
4. Climate change coupled with an atmosphere-ocean general circulation model

**Options :**

71087029713. 1

71087029714. 2

71087029715. 3

71087029716. 4

**Question Number : 50 Question Id : 7108707430 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Inbreeding in self and cross pollinated plants leads to

1. Homozygosity
2. Heterozygosity
3. Hybrid vigour
4. Sterility

**Options :**

71087029717. 1

71087029718. 2

71087029719. 3

71087029720. 4

**Question Number : 51 Question Id : 7108707431 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which among the following is a resource conservation technique in terms of agricultural sustainability?

1. Low land paddy
2. Leaf colour chart
3. Monocropping
4. Flatbed method of planting

**Options :**

71087029721. 1

71087029722. 2

71087029723. 3

71087029724. 4

**Question Number : 52 Question Id : 7108707432 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

The concept of bio-drainage involves growing of certain plants that

1. Conserve water
2. Discharge water along the trunk
3. Discharge excess water out of the field
4. Draw much water than is necessary for normal growth

**Options :**

71087029725. 1

71087029726. 2

71087029727. 3

71087029728. 4

**Question Number : 53 Question Id : 7108707433 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following soils has maximum capillarity?

1. Sandy clay
2. Clay
3. Clay loam
4. Sand

**Options :**

71087029729. 1

71087029730. 2

71087029731. 3

71087029732. 4

**Question Number : 54 Question Id : 7108707434 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

One cusec discharge of water is

1. 0.028 lps
2. 28.32 lps
3. 0.28 lps
4. 283.2 lps

**Options :**

71087029733. 1  
71087029734. 2  
71087029735. 3  
71087029736. 4

**Question Number : 55 Question Id : 7108707435 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The particles suspended in air are called

1. Mist
2. Aerosol
3. Fog
4. Smoke

**Options :**

71087029737. 1  
71087029738. 2  
71087029739. 3  
71087029740. 4

**Question Number : 56 Question Id : 7108707436 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The repetitive growing of the same crop on the same land is called

1. Relay cropping
2. Mono cropping
3. Ratoon cropping
4. Rotation cropping

**Options :**

71087029741. 1

71087029742. 2

71087029743. 3

71087029744. 4

**Question Number : 57 Question Id : 7108707437 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

The time between the start of organic management and certification of crop is known as

1. Conversion period
2. Certification period
3. Diversification period
4. Conservation period

**Options :**

71087029745. 1

71087029746. 2

71087029747. 3

71087029748. 4

**Question Number : 58 Question Id : 7108707438 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

The value of  $R^2$  in regression analysis will be between

1.  $-\infty$  to  $+\infty$
2. 1 to  $+\infty$
3. -1 to +1
4. 0 to +1

**Options :**

71087029749. 1

71087029750. 2

71087029751. 3

71087029752. 4

**Question Number : 59 Question Id : 7108707439 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Smaze is

1. Smoke + Fog
2. Fog + Haze
3. Smoke + Haze
4. Smoke + Fog + Haze

**Options :**

71087029753. 1

71087029754. 2

71087029755. 3

71087029756. 4

**Question Number : 60 Question Id : 7108707440 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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



Barometer was invented in

1. 1642
2. 1643
3. 1699
4. 1600

**Options :**

71087029757. 1  
71087029758. 2  
71087029759. 3  
71087029760. 4

**Question Number : 61 Question Id : 7108707441 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Earth day falls on

1. 22 April
2. 23 April
3. 1 April
4. 2 March

**Options :**

71087029761. 1  
71087029762. 2  
71087029763. 3  
71087029764. 4

**Question Number : 62 Question Id : 7108707442 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Line joining points of equal precipitation in a given period on a map is

1. Isoline
2. Isohyet
3. Isotherm
4. Isobar

**Options :**

- 71087029765. 1
- 71087029766. 2
- 71087029767. 3
- 71087029768. 4

**Question Number : 63 Question Id : 7108707443 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Doldrums are the zone of

1. Intertropical convergence
2. Intertropical divergence
3. Fronts
4. Jet stream

**Options :**

- 71087029769. 1
- 71087029770. 2
- 71087029771. 3
- 71087029772. 4

**Question Number : 64 Question Id : 7108707444 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Annual temperature range at equator is

1. 2 °C
2. 14 °C
3. 16 °C
4. 8 °C

**Options :**

71087029773. 1  
71087029774. 2  
71087029775. 3  
71087029776. 4

**Question Number : 65 Question Id : 7108707445 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Lines joining points of equal temperature on a map are called

1. Isohyet
2. Isotherm
3. Isobar
4. Isopleth

**Options :**

71087029777. 1  
71087029778. 2  
71087029779. 3  
71087029780. 4

**Question Number : 66 Question Id : 7108707446 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Wind velocity is measured by

1. Anemometer
2. Wind vane
3. Rain gauge
4. Pan evaporimeter

**Options :**

71087029781. 1

71087029782. 2

71087029783. 3

71087029784. 4

**Question Number : 67 Question Id : 7108707447 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

A soil with pH 3.2 is

1. Neutral
2. Alkaline
3. Saline
4. Acidic

**Options :**

71087029785. 1

71087029786. 2

71087029787. 3

71087029788. 4

**Question Number : 68 Question Id : 7108707448 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

The major constituent of biogas is

1. Ethane
2. Propane
3. Methane
4. Butane

**Options :**

71087029789. 1

71087029790. 2

71087029791. 3

71087029792. 4

**Question Number : 69 Question Id : 7108707449 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

The study of periodic events of life cycle of a plant is called

1. Biology
2. Physiography
3. Concology
4. Phenology

**Options :**

71087029793. 1

71087029794. 2

71087029795. 3

71087029796. 4

**Question Number : 70 Question Id : 7108707450 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following areas in India is classified as a biodiversity hotspot?

1. Sundarbans
2. Western ghats
3. Eastern ghats
4. Gangetic plain

**Options :**

71087029797. 1

71087029798. 2

71087029799. 3

71087029800. 4

## Part C Forestry Agroforestry

<b>Section Id :</b>	710870186
<b>Section Number :</b>	3
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	50
<b>Number of Questions to be attempted :</b>	50
<b>Section Marks :</b>	200
<b>Display Number Panel :</b>	Yes
<b>Group All Questions :</b>	Yes
<b>Mark As Answered Required? :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	710870186
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 71 Question Id : 7108707451 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Present Director General of World Agroforestry Center, Nairobi is

1. Dennis Garrity
2. Tony Simons
3. P.K. Ramachandran Nair
4. Van Noordjwik

**Options :**

71087029801. 1  
71087029802. 2  
71087029803. 3  
71087029804. 4

**Question Number : 72 Question Id : 7108707452 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

NDVI is estimated as

1. IR / NIR
2. NIR / IR
3.  $(NIR-IR) / (NIR+IR)$
4.  $(IR+NIR) / (IR-NIR)$

**Options :**

71087029805. 1  
71087029806. 2  
71087029807. 3  
71087029808. 4

**Question Number : 73 Question Id : 7108707453 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

'Brazilin dye' is obtained from the wood of

1. *Acacia nilotica*
2. *Pterocarpus marsupium*
3. *Pterocarpus dantalinus*
4. *Caesalpinia sappan*

**Options :**

71087029809. 1  
71087029810. 2  
71087029811. 3  
71087029812. 4

**Question Number : 74 Question Id : 7108707454 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

A 5 ha plantation of teak was established at 2 m x 2 m spacing. Estimate the number of plants in the plantation after a mechanical thinning in which alternate rows were removed.

1. 13500
2. 3125
3. 6250
4. 9375

**Options :**

71087029813. 1  
71087029814. 2  
71087029815. 3  
71087029816. 4

**Question Number : 75 Question Id : 7108707455 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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



Site index is the best indicator of site quality because

1. It represents the actual volume of trees in the stand
2. It gives the best estimate of basal area per ha
3. It represents the height of dominant trees which is independent of density
4. It is applicable for different species

**Options :**

71087029817. 1

71087029818. 2

71087029819. 3

71087029820. 4

**Question Number : 76 Question Id : 7108707456 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The distinguishing feature of 2015 Paris agreement is

1. Reduction in the GHG's emission level to 1990 levels
2. Committed enforcement of REDD+
3. IPCC prescribed differential targets for GHG reduction for each country
4. Emphasis on voluntary commitments to reduce GHG's

**Options :**

71087029821. 1

71087029822. 2

71087029823. 3

71087029824. 4

**Question Number : 77 Question Id : 7108707457 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The biomass harvested from a hectare of plantation was estimated to be 400 Mg. If the moisture content of the biomass was 60%, what would be the approximate carbon content of the harvested biomass?

1. 240 Mg
2. 160 Mg
3. 80 Mg
4. 200 Mg

**Options :**

71087029825. 1  
71087029826. 2  
71087029827. 3  
71087029828. 4

**Question Number : 78 Question Id : 7108707458 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Observatory officially tasked to monitor the global CO<sub>2</sub> levels in the world by IPCC is at

1. Kyoto, Japan
2. Toulouse, France
3. Hawaii, USA
4. London, UK

**Options :**

71087029829. 1  
71087029830. 2  
71087029831. 3  
71087029832. 4

**Question Number : 79 Question Id : 7108707459 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The rotation through which species retain satisfactory vigour of growth and reproduction on a given site, is called

1. Physical rotation
2. Technical rotation
3. Rotation of maximum volume production
4. Silvicultural rotation

**Options :**

- 71087029833. 1
- 71087029834. 2
- 71087029835. 3
- 71087029836. 4

**Question Number : 80 Question Id : 7108707460 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

A thinning operation in which the suppressed crop is removed first and the dominant last is called

1. Advanced thinning
2. German thinning
3. French thinning
4. Free thinning

**Options :**

- 71087029837. 1
- 71087029838. 2
- 71087029839. 3
- 71087029840. 4

**Question Number : 81 Question Id : 7108707461 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Narrow sense heritability ( $h^2$ ) can be estimated as

1.  $V_G / V_P$
2.  $V_A / V_P$
3.  $V_A / V_G$
4.  $V_E / V_G$

**Options :**

71087029841. 1  
71087029842. 2  
71087029843. 3  
71087029844. 4

**Question Number : 82 Question Id : 7108707462 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

If a particular population has 16 homozygous recessives, 36 homozygous dominants and 48 heterozygotes, what would be the allelic frequency of the dominant allele?

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

**Options :**

71087029845. 1  
71087029846. 2  
71087029847. 3  
71087029848. 4

**Question Number : 83 Question Id : 7108707463 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Sal has a wood specific gravity of 0.72. What will be the average mass per unit volume of sal wood?

1. 7.2 Mg m<sup>-3</sup>
2. 7.2 g m<sup>-3</sup>
3. 72 kg m<sup>-3</sup>
4. 720 kg m<sup>-3</sup>

**Options :**

71087029849. 1  
71087029850. 2  
71087029851. 3  
71087029852. 4

**Question Number : 84 Question Id : 7108707464 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The grazing practice followed in Uttarakhand region of India is called

1. Kharak system
2. Gols system
3. Kanchas system
4. Bir system

**Options :**

71087029853. 1  
71087029854. 2  
71087029855. 3  
71087029856. 4

**Question Number : 85 Question Id : 7108707465 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Taper curves are drawn in stump analysis to compute

1. Diameter at stump height
2. Diameter at breast height
3. Stump age – stump diameter relation
4. Seedling height – age relation

**Options :**

71087029857. 1

71087029858. 2

71087029859. 3

71087029860. 4

**Question Number : 86 Question Id : 7108707466 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

As per the India State of Forest Report (ISFR, 2019), the estimated carbon stock of India's forests is (in million tons)

1. 2220
2. 3242
3. 5214
4. 7124

**Options :**

71087029861. 1

71087029862. 2

71087029863. 3

71087029864. 4

**Question Number : 87 Question Id : 7108707467 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which of the following is a defect in wood characterized by complex knot formation at points where dormant buds show abnormal vigour?

1. Twisted fiber
2. Waviness
3. Burr
4. Tight knot

**Options :**

- 71087029865. 1
- 71087029866. 2
- 71087029867. 3
- 71087029868. 4

**Question Number : 88 Question Id : 7108707468 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which among the following does NOT form part of the "trinity of norms" to qualify as a normal forest

1. Normal series of age gradation
2. Normal growing stock
3. Normal basal area
4. Normal increment

**Options :**

- 71087029869. 1
- 71087029870. 2
- 71087029871. 3
- 71087029872. 4

**Question Number : 89 Question Id : 7108707469 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

A pulpwood plantation of eucalyptus was established over 50 ha on annual coupe basis at 10-year rotation. The MAI at rotation age was  $20 \text{ m}^3 \text{ ha}^{-1} \text{ yr}^{-1}$ . The annual yield from a coupe at rotation will be

1.  $500 \text{ m}^3$
2.  $200 \text{ m}^3$
3.  $150 \text{ m}^3$
4.  $100 \text{ m}^3$

**Options :**

71087029873. 1  
71087029874. 2  
71087029875. 3  
71087029876. 4

**Question Number : 90 Question Id : 7108707470 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Cane brakes in the Northern tropical wet evergreen forests is an example of

1. Climatic climax
2. Pre-climax
3. Edaphic climax
4. Post-climax

**Options :**

71087029877. 1  
71087029878. 2  
71087029879. 3  
71087029880. 4

**Question Number : 91 Question Id : 7108707471 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**



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

Match **List I** with **List II**

<b>List I</b>	<b>List II</b>
A. Giant evergreen forest	I. 1A/C4
B. West coast tropical evergreen forest	II. 3B/C1
C. Moist teak bearing forest	III. 1A/C1
D. Southern moist mixed deciduous forest	IV. 3B/C2

Choose the **correct** answer from the options given below:

1. A - I, B - II, C - IV, D - III
2. A - II, B - IV, C - I, D - III
3. A - III, B - I, C - II, D - IV
4. A - III, B - II, C - IV, D - I

**Options :**

71087029881. 1

71087029882. 2

71087029883. 3

71087029884. 4

**Question Number : 92 Question Id : 7108707472 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is**

**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Match **List I** with **List II**

List I	List II
A. Advance thinning	I. Removal of elite trees
B. Crown thinning	II. German thinning
C. Free thinning	III. Craib's thinning
D. Ordinary thinning	IV. French thinning

Choose the **correct** answer from the options given below:

1. A - III, B - IV, C - I, D - II
2. A - II, B - IV, C - I, D - III
3. A - III, B - IV, C - II, D - I
4. A - II, B - III, C - IV, D - I

**Options :**

71087029885. 1

71087029886. 2

71087029887. 3

71087029888. 4

**Question Number : 93 Question Id : 7108707473 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

The Shamba system in East and Central Africa is most related to

1. Shifting cultivation
2. Silvo-pastoral system
3. Taungya system
4. Alley cropping

**Options :**

71087029889. 1

71087029890. 2

71087029891. 3

71087029892. 4

**Question Number : 94 Question Id : 7108707474 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Split plot designs are disadvantageous in certain forestry experiments because

1. Subplot factors are assessed with less precision
2. Main plot factors are assessed with less precision
3. Assessment of interaction effects is difficult
4. Allocation of sub plot factors is difficult at field level

**Options :**

- 71087029893. 1
- 71087029894. 2
- 71087029895. 3
- 71087029896. 4

**Question Number : 95 Question Id : 7108707475 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

For an area to be termed as a 'hotspot', it should contain at least

1. 0.5 % of global plant species
2. 0.5-1 % of global plant species
3. 0 -0.1 % of global plant species
4. 0 -1 % of global plant species

**Options :**

- 71087029897. 1
- 71087029898. 2
- 71087029899. 3
- 71087029900. 4

**Question Number : 96 Question Id : 7108707476 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

The normal growing stock of a eucalyptus plantation worked on a 10-year rotation on 10 ha area; one ha under each gradation with volume of 10-year graduation being 500 m<sup>3</sup> is

1. 2150 m<sup>3</sup>
2. 2050 m<sup>3</sup>
3. 2500 m<sup>3</sup>
4. 3500 m<sup>3</sup>

**Options :**

71087029901. 1  
71087029902. 2  
71087029903. 3  
71087029904. 4

**Question Number : 97 Question Id : 7108707477 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

A method of selection that can be employed for selection of plus trees in uneven aged forests is

1. Tandem selection method
2. Sib selection method
3. Pedigree selection method
4. Regression selection method

**Options :**

71087029905. 1  
71087029906. 2  
71087029907. 3  
71087029908. 4

**Question Number : 98 Question Id : 7108707478 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Taungya is an example for

1. Shelterbelt
2. Silvipastoral system
3. Agrisilvipastoral system
4. Agrisilvicultural system

**Options :**

- 71087029909. 1
- 71087029910. 2
- 71087029911. 3
- 71087029912. 4

**Question Number : 99 Question Id : 7108707479 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Seeding felling, secondary felling and final felling are types of

1. Tree harvesting
2. Regeneration felling
3. Selection felling
4. Selective felling

**Options :**

- 71087029913. 1
- 71087029914. 2
- 71087029915. 3
- 71087029916. 4

**Question Number : 100 Question Id : 7108707480 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is**

**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Lightest wood in the world is

1. Erythrina
2. Rubber
3. Balsa
4. Champaka

**Options :**

71087029917. 1

71087029918. 2

71087029919. 3

71087029920. 4

**Question Number : 101 Question Id : 7108707481 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is**

**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

The rattans belong to the species

1. *Calamus*
2. *Acacia*
3. *Albizia*
4. *Dendrocalamus*

**Options :**

71087029921. 1

71087029922. 2

71087029923. 3

71087029924. 4

**Question Number : 102 Question Id : 7108707482 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is**

**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Champion and Seth (1964) classified Indian Forests into

1. 6 groups
2. 60 groups
3. 10 groups
4. 16 groups

**Options :**

71087029925. 1  
71087029926. 2  
71087029927. 3  
71087029928. 4

**Question Number : 103 Question Id : 7108707483 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

When the population is heterogeneous, which sampling procedure is preferred?

1. Stratified sampling
2. Simple random sampling
3. Systemic sampling
4. Clustered sampling

**Options :**

71087029929. 1  
71087029930. 2  
71087029931. 3  
71087029932. 4

**Question Number : 104 Question Id : 7108707484 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The term  $\alpha$ - diversity refers to

1. Genetic diversity
2. Community and ecosystem diversity
3. Species diversity
4. Diversity among plants

**Options :**

71087029933. 1

71087029934. 2

71087029935. 3

71087029936. 4

**Question Number : 105 Question Id : 7108707485 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

The Asian Cheetah was declared extinct in the year

1. 1927
2. 2010
3. 1952
4. 1945

**Options :**

71087029937. 1

71087029938. 2

71087029939. 3

71087029940. 4

**Question Number : 106 Question Id : 7108707486 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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



Sub-surface drain removes

1. Excess surface water
2. Capillary sub-surface water
3. Sub-surface gravitational water
4. Excess surface runoff

**Options :**

71087029941. 1

71087029942. 2

71087029943. 3

71087029944. 4

**Question Number : 107 Question Id : 7108707487 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following has the highest albedo?

1. Snow covered area
2. Forest area
3. Agricultural area
4. Desert area

**Options :**

71087029945. 1

71087029946. 2

71087029947. 3

71087029948. 4

**Question Number : 108 Question Id : 7108707488 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Mulching helps in

1. Increasing soil fertility
2. Conserving soil moisture
3. Improving soil structure
4. Weed control

**Options :**

71087029949. 1

71087029950. 2

71087029951. 3

71087029952. 4

**Question Number : 109 Question Id : 7108707489 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Match List I with List II the following disease and pathogens of teak

List I	List II
<b>Diseases</b>	<b>Pathogens of Teak</b>
A. Leaf rust	I. <i>Phyllactinia corylea</i>
B. Powdery mildew	II. <i>Rhizoctonia solani</i>
C. Leaf spot	III. <i>Olivea tectonae</i>
D. Leaf blight	IV. <i>Phomopsis tectonae</i>

Choose the **correct** answer from the options given below:

1. A - I, B - IV, C - III, D - II
2. A - IV, B - II, C - I, D - III
3. A - I, B - III, C - IV, D - II
4. A - IV, B - I, C - III, D - II

**Options :**

71087029953. 1

71087029954. 2

71087029955. 3

71087029956. 4

**Question Number : 110 Question Id : 7108707490 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Internal Rate of Return is a

1. Interest rate
2. Discount rate
3. Bank rate
4. Opportunity cost

**Options :**

71087029957. 1

71087029958. 2

71087029959. 3

71087029960. 4

**Question Number : 111 Question Id : 7108707491 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

In CRD, due to maximum degrees of freedom, the experimental error

1. Increases independent of error df
2. Remains unchanged
3. Increases proportional to error df
4. Reduces

**Options :**

71087029961. 1

71087029962. 2

71087029963. 3

71087029964. 4

**Question Number : 112 Question Id : 7108707492 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

A CRD experiment is trying to find out the differences between 5 treatments and each is replicated thrice. What would be the df for error in this experiment?

1. 5
2. 10
3. 11
4. 14

**Options :**

71087029965. 1  
71087029966. 2  
71087029967. 3  
71087029968. 4

**Question Number : 113 Question Id : 7108707493 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which among the following is a vector for sandal spike disease?

1. *Jassus indicus*
2. *Letana inflata*
3. *Cacoecia micacaena*
4. *Crotonothrips davidi*

**Options :**

71087029969. 1  
71087029970. 2  
71087029971. 3  
71087029972. 4

**Question Number : 114 Question Id : 7108707494 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Terracing is an effective method of soil conservation in

1. Desert areas
2. Hilly areas
3. Plains
4. Riverine areas

**Options :**

71087029973. 1  
71087029974. 2  
71087029975. 3  
71087029976. 4

**Question Number : 115 Question Id : 7108707495 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The alternate system emerging in many countries as a substitute for clear felling is

1. Selection system
2. Shelterwood system
3. Continuous cover forestry
4. Coppice system

**Options :**

71087029977. 1  
71087029978. 2  
71087029979. 3  
71087029980. 4

**Question Number : 116 Question Id : 7108707496 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is**

**Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

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

1. >10
2. 2
3. 1
4. <1

**Options :**

71087029981. 1  
71087029982. 2  
71087029983. 3  
71087029984. 4

**Question Number : 117 Question Id : 7108707497 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

The pygmy hog is found in

1. Silent Valley National Park
2. Manas National Park
3. Gir National Park
4. Sariska National Park

**Options :**

71087029985. 1  
71087029986. 2  
71087029987. 3  
71087029988. 4

**Question Number : 118 Question Id : 7108707498 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Schedule V of the Indian Wildlife (Protection) Act, 1972 deals with

1. Frogs
2. Vermins
3. Snakes
4. Plants

**Options :**

71087029989. 1  
71087029990. 2  
71087029991. 3  
71087029992. 4

**Question Number : 119 Question Id : 7108707499 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Name the only ape seen in India

1. Lion-tailed macaque
2. Hoolock gibbon
3. Gorilla
4. Orangutans

**Options :**

71087029993. 1  
71087029994. 2  
71087029995. 3  
71087029996. 4

**Question Number : 120 Question Id : 7108707500 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Tunica-corporis theory was proposed by

1. Nageli
2. Hamstein
3. Scheupp
4. Schmidt

**Options :**

- 71087029997. 1
- 71087029998. 2
- 71087029999. 3
- 71087030000. 4