

# National Testing Agency

<b>Question Paper Name :</b>	Floriculture and Landscape Architecture 23rd Sep 2020 Shift 2 Set 2
<b>Subject Name :</b>	Floriculture and Landscape Architecture
<b>Creation Date :</b>	2020-09-23 19:33:35
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<b>Display Marks:</b>	Yes
<b>Share Answer Key With Delivery Engine :</b>	Yes
<b>Actual Answer Key :</b>	Yes

## Floriculture and Landscape Architecture

<b>Group Number :</b>	1
<b>Group Id :</b>	71087016
<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>	71087046
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory

<b>Number of Questions :</b>	20
<b>Number of Questions to be attempted :</b>	20
<b>Section Marks :</b>	80
<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>	71087046
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 1 Question Id : 7108701861 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 :**

- 7108707441. 1
- 7108707442. 2
- 7108707443. 3
- 7108707444. 4

**Question Number : 2 Question Id : 7108701862 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 :**

- 7108707445. 1
- 7108707446. 2
- 7108707447. 3
- 7108707448. 4

**Question Number : 3 Question Id : 7108701863 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 :**

- 7108707449. 1

7108707450. 2

7108707451. 3

7108707452. 4

**Question Number : 4 Question Id : 7108701864 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 :**

7108707453. 1

7108707454. 2

7108707455. 3

7108707456. 4

**Question Number : 5 Question Id : 7108701865 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 :**

- 7108707457. 1
- 7108707458. 2
- 7108707459. 3
- 7108707460. 4

**Question Number : 6 Question Id : 7108701866 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 :**

- 7108707461. 1
- 7108707462. 2
- 7108707463. 3
- 7108707464. 4

**Question Number : 7 Question Id : 7108701867 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 :**

- 7108707465. 1
- 7108707466. 2
- 7108707467. 3
- 7108707468. 4

**Question Number : 8 Question Id : 7108701868 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 :**

7108707469. 1

7108707470. 2

7108707471. 3

7108707472. 4

**Question Number : 9 Question Id : 7108701869 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 :**

7108707473. 1

7108707474. 2

7108707475. 3

7108707476. 4

**Question Number : 10 Question Id : 7108701870 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 :**

7108707477. 1

7108707478. 2

7108707479. 3

7108707480. 4

**Question Number : 11 Question Id : 7108701871 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 :**

7108707481. 1

7108707482. 2

7108707483. 3

7108707484. 4

**Question Number : 12 Question Id : 7108701872 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 :**



7108707485. 1

7108707486. 2

7108707487. 3

7108707488. 4

**Question Number : 13 Question Id : 7108701873 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 :**

7108707489. 1

7108707490. 2

7108707491. 3

7108707492. 4

**Question Number : 14 Question Id : 7108701874 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 :**

- 7108707493. 1
- 7108707494. 2
- 7108707495. 3
- 7108707496. 4

**Question Number : 15 Question Id : 7108701875 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 :**

- 7108707497. 1
- 7108707498. 2
- 7108707499. 3
- 7108707500. 4

**Question Number : 16 Question Id : 7108701876 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 :**

- 7108707501. 1
- 7108707502. 2
- 7108707503. 3
- 7108707504. 4

**Question Number : 17 Question Id : 7108701877 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 :**

- 7108707505. 1
- 7108707506. 2
- 7108707507. 3
- 7108707508. 4

**Question Number : 18 Question Id : 7108701878 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 :**

- 7108707509. 1
- 7108707510. 2
- 7108707511. 3
- 7108707512. 4

**Question Number : 19 Question Id : 7108701879 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 :**

- 7108707513. 1
- 7108707514. 2
- 7108707515. 3
- 7108707516. 4

**Question Number : 20 Question Id : 7108701880 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 :**

- 7108707517. 1

7108707518. 2

7108707519. 3

7108707520. 4

## Part B Core Horticulture

<b>Section Id :</b>	71087047
<b>Section Number :</b>	2
<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>	71087047
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 21 Question Id : 7108701881 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 environmental conditions are favourable for tuberization in potato?

1. Short day and low temperature
2. Short day and high temperature
3. Long day and low temperature
4. Long day and moderate temperature

**Options :**

7108707521. 1

7108707522. 2

7108707523. 3

7108707524. 4

**Question Number : 22 Question Id : 7108701882 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 vegetables is mainly anemophilous in nature?

1. Carrot
2. Onion
3. Radish
4. Beet leaf

**Options :**

7108707525. 1

7108707526. 2

7108707527. 3

7108707528. 4

**Question Number : 23 Question Id : 7108701883 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 crosses were made among eight parents in a half diallel mating system, how many total combinations of F1 will be generated?

1. 56
2. 28
3. 32
4. 64

**Options :**

7108707529. 1

7108707530. 2

7108707531. 3

7108707532. 4

**Question Number : 24 Question Id : 7108701884 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**

Deficiency symptom of which one of the following nutrients starts at apical bud?

1. Nitrogen
2. Phosphorus
3. Potash
4. Boron

**Options :**

7108707533. 1  
7108707534. 2  
7108707535. 3  
7108707536. 4

**Question Number : 25 Question Id : 7108701885 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**

Self-Incompatibility system has been commercially exploited for developing hybrids in

1. Carrot
2. Cabbage
3. Tomato
4. Onion

**Options :**

7108707537. 1  
7108707538. 2  
7108707539. 3  
7108707540. 4

**Question Number : 26 Question Id : 7108701886 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**

Chromosome number of sweet potato is

1.  $2n=2x=90$
2.  $2n=2x=30$
3.  $2n=6x=90$
4.  $2n=4x=48$

**Options :**

- 7108707541. 1
- 7108707542. 2
- 7108707543. 3
- 7108707544. 4

**Question Number : 27 Question Id : 7108701887 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**

Kashi Lalima is a newly developed variety of

1. Tomato
2. Radish
3. Carrot
4. Okra

**Options :**

- 7108707545. 1
- 7108707546. 2
- 7108707547. 3
- 7108707548. 4

**Question Number : 28 Question Id : 7108701888 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**

Bud necrosis disease of watermelon is spread by

1. Leaf hopper
2. White fly
3. Thrips
4. Aphids

**Options :**

7108707549. 1

7108707550. 2

7108707551. 3

7108707552. 4

**Question Number : 29 Question Id : 7108701889 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**

Cavity spot of carrot is associated with the deficiency of

1. Mg
2. Ca
3. Mn
4. K

**Options :**

7108707553. 1

7108707554. 2

7108707555. 3

7108707556. 4

**Question Number : 30 Question Id : 7108701890 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**

Phenotypic ratio observed in case of recessive epistasis is

1. 15:1
2. 9:3:4
3. 12:3:1
4. 9:7

**Options :**

7108707557. 1  
7108707558. 2  
7108707559. 3  
7108707560. 4

**Question Number : 31 Question Id : 7108701891 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**

Standford fig belongs to which group/ category?

1. Capri
2. Edible
3. San Pedro
4. Smyrna

**Options :**

7108707561. 1  
7108707562. 2  
7108707563. 3  
7108707564. 4

**Question Number : 32 Question Id : 7108701892 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 fruit crops is a member of Euphorbiaceae?

1. European gooseberry
2. Jack fruit
3. Pecan nut
4. Star gooseberry

**Options :**

- 7108707565. 1
- 7108707566. 2
- 7108707567. 3
- 7108707568. 4

**Question Number : 33 Question Id : 7108701893 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 research centres has the largest collection of custard apple in India?

1. Sangareddy
2. Rahuri
3. Bengaluru
4. Tirupati

**Options :**

- 7108707569. 1
- 7108707570. 2
- 7108707571. 3
- 7108707572. 4

**Question Number : 34 Question Id : 7108701894 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 spur in almond remains productive for

1. 2 years
2. 3 years
3. 4 years
4. 5 years

**Options :**

7108707573. 1  
7108707574. 2  
7108707575. 3  
7108707576. 4

**Question Number : 35 Question Id : 7108701895 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**

Prof. Dennis Gonsalves is associated with development of

1. Apple
2. Banana
3. Grape
4. Papaya

**Options :**

7108707577. 1  
7108707578. 2  
7108707579. 3  
7108707580. 4

**Question Number : 36 Question Id : 7108701896 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**

Cryptoxanthin and carotenoids are found prominently in

1. Avocado
2. Papaya
3. Sapota
4. Pineapple

**Options :**

- 7108707581. 1
- 7108707582. 2
- 7108707583. 3
- 7108707584. 4

**Question Number : 37 Question Id : 7108701897 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**

Paclobutrazol is the most preferred growth retardant due to its

1. Anti-auxin activity
2. Anti-gibberellin activity
3. Inhibitor nature
4. Liquid form

**Options :**

- 7108707585. 1
- 7108707586. 2
- 7108707587. 3
- 7108707588. 4

**Question Number : 38 Question Id : 7108701898 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**

Whole Genome Sequence was first deciphered in which one of the following grape genotypes?

1. Perlette
2. Pinot Blanc
3. Pinot Noir
4. Superior Seedles

**Options :**

- 7108707589. 1
- 7108707590. 2
- 7108707591. 3
- 7108707592. 4

**Question Number : 39 Question Id : 7108701899 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 effective control of soil nematodes in glasshouses is

1. Solarization
2. Trap crop
3. Application of neem cake
4. Formalin fumigation

**Options :**

- 7108707593. 1
- 7108707594. 2
- 7108707595. 3
- 7108707596. 4

**Question Number : 40 Question Id : 7108701900 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**

Rooting of stem cuttings is most effective when the night temperature is

1. 12-14 °C
2. 15-16 °C
3. 17-19 °C
4. 20-21 °C

**Options :**

- 7108707597. 1
- 7108707598. 2
- 7108707599. 3
- 7108707600. 4

**Question Number : 41 Question Id : 7108701901 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**

While hybridizing chrysanthemum flowers, the ideal stage for emasculation is

1. Fully opened flowers when the disc florets are completely visible
2. Half opened flowers with 50% of the disc florets visible
3. Fully developed unopened flowers
4. Three fourths unopened flowers with 75% of the ray florets visible

**Options :**

- 7108707601. 1
- 7108707602. 2
- 7108707603. 3
- 7108707604. 4

**Question Number : 42 Question Id : 7108701902 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 protected cultivation of roses, prolonged exposure to low temperatures leads to

1. Formation of blind shoots
2. Formation of bent neck
3. Bud splitting
4. Flower bud discolouration

**Options :**

- 7108707605. 1
- 7108707606. 2
- 7108707607. 3
- 7108707608. 4

**Question Number : 43 Question Id : 7108701903 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 protected cultivation of chrysanthemum, year-round commercial production is achieved by manipulating

1. auxin and growth ABA spraying schedules
2. light and dark cycles
3. temperature regimes
4. irrigation and fertigation schedules

**Options :**

- 7108707609. 1
- 7108707610. 2
- 7108707611. 3
- 7108707612. 4

**Question Number : 44 Question Id : 7108701904 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**



Widely used rootstock for commercial budding/grafting of roses is

1. *Rosa multiflora*
2. *Rosa indica*
3. *Rosa canina inermis*
4. *Rosa clinophylla*

**Options :**

- 7108707613. 1
- 7108707614. 2
- 7108707615. 3
- 7108707616. 4

**Question Number : 45 Question Id : 7108701905 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 grasses could be selected for the establishment of a lawn with very fine texture grass that gives soft carpet-like feel?

1. *Agrostis tenuis*
2. *Lolium perenne*
3. *Cyprus rotundus*
4. *Poa pratensis*

**Options :**

- 7108707617. 1
- 7108707618. 2
- 7108707619. 3
- 7108707620. 4

**Question Number : 46 Question Id : 7108701906 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**

Bending is a specialised horticultural practice widely used in the commercial production of

1. Gypsophila
2. Chrysanthemum
3. Rose
4. Liliium

**Options :**

- 7108707621. 1
- 7108707622. 2
- 7108707623. 3
- 7108707624. 4

**Question Number : 47 Question Id : 7108701907 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 flower crops is ideal as a dry flower?

1. *Helichrysum* spp.
2. *Helianthus* spp.
3. *Gerbera* spp.
4. *Lilium* spp.

**Options :**

- 7108707625. 1
- 7108707626. 2
- 7108707627. 3
- 7108707628. 4

**Question Number : 48 Question Id : 7108701908 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**

Betalain pigments can be isolated from

1. Bougainvillea
2. Petunia
3. Chrysanthemum
4. Gladiolus

**Options :**

7108707629. 1  
7108707630. 2  
7108707631. 3  
7108707632. 4

**Question Number : 49 Question Id : 7108701909 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 methods is the quickest for establishing a lawn?

1. Grass plastering
2. Dibbling
3. Hydroseeding
4. Turfing

**Options :**

7108707633. 1  
7108707634. 2  
7108707635. 3  
7108707636. 4

**Question Number : 50 Question Id : 7108701910 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 software is widely used for 2-D and 3-D rendering of the garden designing?

1. Photoshop
2. Coral Draw
3. AutoCAD and ARCHICAD
4. Tally

**Options :**

- 7108707637. 1
- 7108707638. 2
- 7108707639. 3
- 7108707640. 4

**Question Number : 51 Question Id : 7108701911 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**

'SPI' (Starch Pattern Index) is related to the maturity of

1. Mango
2. Guava
3. Pear
4. Apple

**Options :**

- 7108707641. 1
- 7108707642. 2
- 7108707643. 3
- 7108707644. 4

**Question Number : 52 Question Id : 7108701912 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**

'During Heat Pasteurization, which vitamin can increase in the fruit or vegetable?

1. Niacin
2. Vitamin C
3. Thiamin
4. Riboflavin

**Options :**

7108707645. 1  
7108707646. 2  
7108707647. 3  
7108707648. 4

**Question Number : 53 Question Id : 7108701913 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 dried product of '*Benincasa hispida*' is a

1. Candy
2. Preserve
3. Crystallized fruit
4. Glazed fruit

**Options :**

7108707649. 1  
7108707650. 2  
7108707651. 3  
7108707652. 4

**Question Number : 54 Question Id : 7108701914 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 most suitable grape variety for Champagne making is

1. White Riesling
2. Muscat of Alexandria
3. Pusa Navrang
4. Pearl of Csaba

**Options :**

- 7108707653. 1
- 7108707654. 2
- 7108707655. 3
- 7108707656. 4

**Question Number : 55 Question Id : 7108701915 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**

100 kg of fresh ginger will yield approximately how many kilos of dried ginger?

1. 10 kg
2. 15 kg
3. 20 kg
4. 30 kg

**Options :**

- 7108707657. 1
- 7108707658. 2
- 7108707659. 3
- 7108707660. 4

**Question Number : 56 Question Id : 7108701916 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**

'Sleepiness' in carnation is due to

1. Low ethylene concentration
2. High ethylene concentration
3. Low respiration rate
4. High respiration rate

**Options :**

- 7108707661. 1
- 7108707662. 2
- 7108707663. 3
- 7108707664. 4

**Question Number : 57 Question Id : 7108701917 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 NOT a variety of coconut?

1. Kalpa Surya
2. Ananta Ganga
3. Chandra Sankara
4. Chandragiri

**Options :**

- 7108707665. 1
- 7108707666. 2
- 7108707667. 3
- 7108707668. 4

**Question Number : 58 Question Id : 7108701918 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 best RH and temperature combination for banana storage is

1. 85-90% RH and 10 °C temperature
2. 80-85% RH and 13 °C temperature
3. 85-90% RH and 13 °C temperature
4. 80-85% RH and 10 °C temperature

**Options :**

- 7108707669. 1
- 7108707670. 2
- 7108707671. 3
- 7108707672. 4

**Question Number : 59 Question Id : 7108701919 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**

What is the third principle of HACCP?

1. Identification of HACCP
2. Determination of Critical Control Point
3. Establishment of Critical Control Point
4. Establishment of Monitoring Procedures

**Options :**

- 7108707673. 1
- 7108707674. 2
- 7108707675. 3
- 7108707676. 4

**Question Number : 60 Question Id : 7108701920 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 NOT a correct cross?

1. Pusa Arunima – Amrapali x Sensation
2. Ratna – Neelum x Alphonso
3. Sindhu – Ratna x Dashehari
4. Arka Puneet –Alphonso x Banganpalli

**Options :**

7108707677. 1  
7108707678. 2  
7108707679. 3  
7108707680. 4

**Question Number : 61 Question Id : 7108701921 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 hybrid black pepper variety?

1. Panniyur 3
2. Panniyur 6
3. Panniyur 7
4. Panchami

**Options :**

7108707681. 1  
7108707682. 2  
7108707683. 3  
7108707684. 4

**Question Number : 62 Question Id : 7108701922 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**

Lanka ramakrishnae of black pepper is commonly known as

1. Scale insect
2. Top Shoot borer
3. Pollu beetle
4. Coconut scale beetle

**Options :**

- 7108707685. 1
- 7108707686. 2
- 7108707687. 3
- 7108707688. 4

**Question Number : 63 Question Id : 7108701923 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 cinnamon varieties yields the highest (as a percentage) cinnamaldehyde in bark oil?

1. Konkan Tej
2. Navashree
3. Nithyashree
4. Sugandhini

**Options :**

- 7108707689. 1
- 7108707690. 2
- 7108707691. 3
- 7108707692. 4

**Question Number : 64 Question Id : 7108701924 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 NOT a dwarf rootstock of apple ?

1. M-9
2. M-26
3. M-106
4. Merton-793

**Options :**

7108707693. 1  
7108707694. 2  
7108707695. 3  
7108707696. 4

**Question Number : 65 Question Id : 7108701925 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**

Gauthami Ganga, a tender nut-producing coconut variety has been released in

1. Andhra Pradesh
2. Kerela
3. Karnataka
4. West Bengal

**Options :**

7108707697. 1  
7108707698. 2  
7108707699. 3  
7108707700. 4

**Question Number : 66 Question Id : 7108701926 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 types of oil palm has the thickest shell?

1. Dura
2. Pisifera
3. Tenera
4. DXP hybrid

**Options :**

- 7108707701. 1
- 7108707702. 2
- 7108707703. 3
- 7108707704. 4

**Question Number : 67 Question Id : 7108701927 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 palm types is the most primitive?

1. Arecanut
2. Coconut
3. Palmyrah
4. Oil palm

**Options :**

- 7108707705. 1
- 7108707706. 2
- 7108707707. 3
- 7108707708. 4

**Question Number : 68 Question Id : 7108701928 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**

Tea cultivation was first introduced in India in the year

1. 1832
2. 1846
3. 1859
4. 1883

**Options :**

- 7108707709. 1
- 7108707710. 2
- 7108707711. 3
- 7108707712. 4

**Question Number : 69 Question Id : 7108701929 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 varieties of Ajwain is the most late-maturing?

1. BEN-2
2. GA-1
3. Pant Ruchika
4. RA-1-80

**Options :**

- 7108707713. 1
- 7108707714. 2
- 7108707715. 3
- 7108707716. 4

**Question Number : 70 Question Id : 7108701930 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 NOT a variety of Cashew?

1. Priyanka
2. Bhaskara
3. Kanaka
4. Nalbari

**Options :**

7108707717. 1  
7108707718. 2  
7108707719. 3  
7108707720. 4

## Part C Floriculture and Landscape Architecture

<b>Section Id :</b>	71087048
<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>	71087048
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 71 Question Id : 7108701931 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 crossing of series of genotypes in all possible combinations is termed as

1. Test cross
2. Half Diallel
3. Diallel
4. Double cross

**Options :**

- 7108707721. 1
- 7108707722. 2
- 7108707723. 3
- 7108707724. 4

**Question Number : 72 Question Id : 7108701932 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**

Genetic constitution of maintainer line in marigold is

1. *msms*
2. *MsMs*
3. *Msms*
4. *msMS*

**Options :**

- 7108707725. 1
- 7108707726. 2
- 7108707727. 3
- 7108707728. 4

**Question Number : 73 Question Id : 7108701933 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**

DUS testing of varieties is a pre-requisite for according protection to new varieties. In this U stands for

1. Uniformity
2. Uniqueness
3. Universal
4. UPOV

**Options :**

7108707729. 1  
7108707730. 2  
7108707731. 3  
7108707732. 4

**Question Number : 74 Question Id : 7108701934 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 genes helps in controlling plant architecture through genetic engineering?

1. MADS Box
2. *CS gene*
3. rol C
4. fht

**Options :**

7108707733. 1  
7108707734. 2  
7108707735. 3  
7108707736. 4

**Question Number : 75 Question Id : 7108701935 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 species of *Anthurium* is grown for cut flowers?

- A. *Anthurium andreanum*
- B. *Anthurium giganteum*
- C. *Anthurium cordatum*
- D. *Anthurium magnificum*

Choose the correct answer from the options given below:

- 1. A and B only
- 2. A, B and D only
- 3. B and C only
- 4. A and D only

**Options :**

- 7108707737. 1
- 7108707738. 2
- 7108707739. 3
- 7108707740. 4

**Question Number : 76 Question Id : 7108701936 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 statistical designs is the most appropriate in screening a large number of germplasm lines?

- 1. Randomized Block Design
- 2. Split-Split Plot
- 3. Augmented Block Design
- 4. Factorial Randomized Block

**Options :**

- 7108707741. 1
- 7108707742. 2
- 7108707743. 3
- 7108707744. 4

**Question Number : 77 Question Id : 7108701937 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 sources CANNOT be used for developing fragrant varieties?

- 1. *Jasminum auriculatum*
- 2. Tuberose Double
- 3. *Rosa damascena*
- 4. *Gladiolus callianthus*

**Options :**

- 7108707745. 1
- 7108707746. 2
- 7108707747. 3
- 7108707748. 4

**Question Number : 78 Question Id : 7108701938 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 methods of pinching is most beneficial in the regulation of flowering in carnation?

- 1. Single Pinch
- 2. Double Pinch
- 3. One and a half Pinch
- 4. Disbudding

**Options :**

- 7108707749. 1

7108707750. 2

7108707751. 3

7108707752. 4

**Question Number : 79 Question Id : 7108701939 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**

*Fusarium oxysporum f. dianthi* causes a serious wilt disease which is aggravated by

1. High humidity and poor drainage
2. High temperature and high humidity
3. High humidity and lack of moisture
4. High temperature and poor drainage

**Options :**

7108707753. 1

7108707754. 2

7108707755. 3

7108707756. 4

**Question Number : 80 Question Id : 7108701940 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**

Carnation is commercially propagated through terminal cuttings, which can be stored for 5-6 months at a temperature of

1. 0 to 1 °C
2. 2 to 5 °C
3. 6 to 8 °C
4. -2 to -5 °C

**Options :**

7108707757. 1

7108707758. 2

7108707759. 3

7108707760. 4

**Question Number : 81 Question Id : 7108701941 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**

Zinc is a micro-nutrient necessary for cell elongation and is a pre-cursor for the synthesis of

1. Indole Acetic Acid
2. Indole Butyric acid
3. Cytokinin
4. Gibberellins

**Options :**

7108707761. 1

7108707762. 2

7108707763. 3

7108707764. 4

**Question Number : 82 Question Id : 7108701942 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**

Pruning and bending in greenhouse roses makes the flush ready in how many days?

1. 50-55 days
2. 40-45 days
3. 30-35 days
4. 60-65 days

**Options :**

7108707765. 1

7108707766. 2

7108707767. 3

7108707768. 4

**Question Number : 83 Question Id : 7108701943 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 line can be created in CAD by specifying how many points as per the coordinates in X and Y axis?

1. Two each on X and Y axis
2. 1 to 9
3. Three
4. One each on X and Y axis

**Options :**

7108707769. 1

7108707770. 2

7108707771. 3

7108707772. 4

**Question Number : 84 Question Id : 7108701944 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**

Arrange the following operations for post-harvest handling of fresh flowers in sequence

- A. Pre-cooling
- B. Pulsing
- C. Holding
- D. Bud opening

Choose the correct answer from the options given below:

- 1. A, B, D, C
- 2. A, C, B, D
- 3. A, D, C, B
- 4. A, C, D, B

**Options :**

- 7108707773. 1
- 7108707774. 2
- 7108707775. 3
- 7108707776. 4

**Question Number : 85 Question Id : 7108701945 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**

Arrange the steps in extraction of plant dyes sequentially

A. Preparation of solution (acidic /alkaline)

B. Record optical density

C. Filtration

D. Entering/filling the dye and boiling

Choose the correct answer from the options given below

1. A, B, D, C

2. A, C, B, D

3. A, D, C, B

4. A, C, D, B

**Options :**

7108707777. 1

7108707778. 2

7108707779. 3

7108707780. 4

**Question Number : 86 Question Id : 7108701946 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 statements

**Statement I:** To avoid glut in the market, rose and carnation cut flowers can be stored at a temperature of 0 -1 °C

**Statement II:** *Dendrobium* and Bird of Paradise can be stored at the same temperature but at higher humidity

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

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

**Options :**

7108707781. 1

7108707782. 2

7108707783. 3

7108707784. 4

**Question Number : 87 Question Id : 7108701947 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 I:** *Jasminum auriculatum* can be pruned during January to March for extending flowering

**Statement II:** *Jasminum grandiflorum* is generally pruned in December but pruning during January-February delays flowering till May-June

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

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

**Options :**

7108707785. 1

7108707786. 2

7108707787. 3

7108707788. 4

**Question Number : 88 Question Id : 7108701948 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**

Snow load in protected structures can be increased or decreased under the following conditions

**Case I:** Decreased load when a roof slope exceeds 30° and snow slides off

**Case II:** Increased load when a non-uniform accumulation occurs on pitched or curved roofs

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

1. Both Case I and Case II are incorrect
2. Both Case I and Case II are correct
3. Case I is correct but Case II is incorrect
4. Case I is incorrect but Case II is correct

**Options :**

7108707789. 1

7108707790. 2

7108707791. 3

7108707792. 4

**Question Number : 89 Question Id : 7108701949 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 I:** Landscape designing using AUTOCAD shows designs in 2D.

**Statement II:** ARCHICAD makes designs in 2D with a provision to view them in 3D

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

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

**Options :**

7108707793. 1

7108707794. 2

7108707795. 3

7108707796. 4

**Question Number : 90 Question Id : 7108701950 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 I:** Raising of seedlings in a nursery is essential in case of tree species but not for commercial loose flower production

**Statement II:** Barlapping is one of the cultural operations for transplanting the seedlings in the main field

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

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

**Options :**

7108707797. 1

7108707798. 2

7108707799. 3

7108707800. 4

**Question Number : 91 Question Id : 7108701951 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 I:** Micro-propagation of orchids is a commercial success in India and abroad

**Statement II:** Conventional seed propagation is also successful despite orchids having minimum or no endosperm

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

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

**Options :**

7108707801. 1

7108707802. 2

7108707803. 3

7108707804. 4

**Question Number : 92 Question Id : 7108701952 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 mechanisms promote(s) self-pollination?

- A. Cleistogamy
- B. Chasmogamy
- C. Herkogamy
- D. Geitonogamy

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

- 1. A and B only
- 2. A and C only
- 3. A, B and D only
- 4. A only

**Options :**

- 7108707805. 1
- 7108707806. 2
- 7108707807. 3
- 7108707808. 4

**Question Number : 93 Question Id : 7108701953 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**

Polyploidy is common in which of the following crop species?

A. *Dahlia variabilis*

B. *Dianthus chinensis*

C. *Paeonia tenuifolia*

D. *Dianthus caryophyllus*

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

1. A and B only
2. A and C only
3. B and D only
4. A, B and C only

**Options :**

7108707809. 1

7108707810. 2

7108707811. 3

7108707812. 4

**Question Number : 94 Question Id : 7108701954 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 trait for doubleness is governed by a recessive gene

- A. Antirrhinum
- B. China aster
- C. Cyclamen
- D. Stock flower

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

1. A and D only
2. B and C only
3. A, B and C only
4. A, B and D only

**Options :**

- 7108707813. 1
- 7108707814. 2
- 7108707815. 3
- 7108707816. 4

**Question Number : 95 Question Id : 7108701955 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 used for dry flowers ?

A. Statice

B. Helichrysum

C. Dahlia

D. Phlox

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

1. A and B only
2. C and D only
3. A and C only
4. B and D only

**Options :**

7108707817. 1

7108707818. 2

7108707819. 3

7108707820. 4

**Question Number : 96 Question Id : 7108701956 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 trees bear(s) yellow coloured flowers?

A. *Cassia fistula*

B. *Chorisia speciosa*

C. *Cassia siamea*

D. *Erythrina indica*

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

1. A and D only

2. A only

3. B only

4. A and C only

**Options :**

7108707821. 1

7108707822. 2

7108707823. 3

7108707824. 4

**Question Number : 97 Question Id : 7108701957 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/are dye yielding crops?

A. *Lawsonia inermis*

B. *Tagetes minuta*

C. *Nerium odoratum*

D. *Bixa orellana*

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

1. A and D only
2. A and B only
3. A, B and D only
4. D only

**Options :**

7108707825. 1

7108707826. 2

7108707827. 3

7108707828. 4

**Question Number : 98 Question Id : 7108701958 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 statement(s) is/are correct about drying methods to make high-quality dry flowers?

A. Freeze drying is best for quality dry flowers

B. Press drying is relatively expensive

C. Microwave drying is the quickest method

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

1. A and B only

2. A and C only

3. B and C only

4. B only

**Options :**

7108707829. 1

7108707830. 2

7108707831. 3

7108707832. 4

**Question Number : 99 Question Id : 7108701959 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 turfgrass are NOT suitable for the tropical region?

A. *Agrostis*

B. *Poa*

C. *Cynodon*

D. *Paspalum*

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

1. A and B only
2. A and C only
3. A and D only
4. B and C only

**Options :**

7108707833. 1

7108707834. 2

7108707835. 3

7108707836. 4

**Question Number : 100 Question Id : 7108701960 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 diseases of turf are more prevalent in high pH or alkaline conditions?

- A. Fairy Ring
- B. Turf Snow mould
- C. Dollar spot
- D. Red thread

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

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

**Options :**

- 7108707837. 1
- 7108707838. 2
- 7108707839. 3
- 7108707840. 4

**Question Number : 101 Question Id : 7108701961 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 trees are native to India?

A. *Ficus religiosa*

B. *Putranjiva roxburghii*

C. *Sterculia diversifolia*

D. *Alstonia scholaris*

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

1. A, B and D only
2. B and C only
3. C and D only
4. B, C and D only

**Options :**

7108707841. 1

7108707842. 2

7108707843. 3

7108707844. 4

**Question Number : 102 Question Id : 7108701962 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 flowering annuals do NOT require isolation distance for seed production?

- A. Balsam
- B. Gladiolus
- C. Salvia
- D. Marigold

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

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

**Options :**

- 7108707845. 1
- 7108707846. 2
- 7108707847. 3
- 7108707848. 4

**Question Number : 103 Question Id : 7108701963 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**



Plant variety protection was being offered for the first time in India for

- A. Rose
- B. Gladiolus
- C. Marigold
- D. Chrysanthemum

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

- 1. A and B only
- 2. A, B and D only
- 3. B and C only
- 4. A and D only

**Options :**

- 7108707849. 1
- 7108707850. 2
- 7108707851. 3
- 7108707852. 4

**Question Number : 104 Question Id : 7108701964 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. Cyanidin	I. Red
B. Pelargonidin	II. Yellow
C. Xanthophylls	III. Scarlet
D. Delphinidin	IV. Blue

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

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

**Options :**

- 7108707853. 1
- 7108707854. 2
- 7108707855. 3
- 7108707856. 4

**Question Number : 105 Question Id : 7108701965 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. 5-Bromouracil	I. Alkylating agent
B. MMS	II. Base analogue
C. Nitrous acid	III. Deaminating agent
D. Pro-flavine	IV. Acridine

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

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

**Options :**

7108707857. 1

7108707858. 2

7108707859. 3

7108707860. 4

**Question Number : 106 Question Id : 7108701966 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. Gladiolus	I. Pusa Sindhuri
B. Chrysanthemum	II. Arka Sugandha
C. Crossandra	III. Arka Shravya
D. Tuberose	IV. Pusa Arunodaya

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

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

**Options :**

- 7108707861. 1
- 7108707862. 2
- 7108707863. 3
- 7108707864. 4

**Question Number : 107 Question Id : 7108701967 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. Rose - Jwala	I. TNAU
B. Chrysanthemum - Santi	II. PAU
C. Tuberose - Swarn Rekha	III. IHBT
D. Jasmine – Co-1	IV. NBRI

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

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

**Options :**

- 7108707865. 1
- 7108707866. 2
- 7108707867. 3
- 7108707868. 4

**Question Number : 108 Question Id : 7108701968 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. <i>Jasminum primulinum</i>	I. Orange
B. <i>Polianthes graminifolia</i>	II. Red
C. <i>Allamanda violacea</i>	III. Purple
D. <i>Pyrostegia venusta</i>	IV. Yellow

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

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

**Options :**

7108707869. 1

7108707870. 2

7108707871. 3

7108707872. 4

**Question Number : 109 Question Id : 7108701969 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. Qualitative short day	I. Carnation
B. Quantitative Long day	II. Chrysanthemum
C. Day-neutral	III. Rose
D. Quantitative Short Day	IV. Marigold

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

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

**Options :**

7108707873. 1

7108707874. 2

7108707875. 3

7108707876. 4

**Question Number : 110 Question Id : 7108701970 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. <i>Rosa indica var odorata</i>	I. Sandy soils
B. <i>Rosa multiflora</i>	II. North India
C. <i>Rosa manetti</i>	III. East and South India
D. <i>Rosa laxa</i>	IV. Clay Soils

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

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

**Options :**

7108707877. 1  
7108707878. 2  
7108707879. 3  
7108707880. 4

**Question Number : 111 Question Id : 7108701971 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. China aster	I. Fully open
B. Narcissus	II. Two fully open flowers
C. Carnation (Spray)	III. Half-coloured buds
D. Tulip	IV. Gooseneck stage

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

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

**Options :**

- 7108707881. 1
- 7108707882. 2
- 7108707883. 3
- 7108707884. 4

**Question Number : 112 Question Id : 7108701972 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.Upper leaf necrosis	I. Fluoride injury
B.Calyx splitting	II.Diurnal temperature
C. Tip burning	III. Water stress
D. Scape bending	IV.Calcium deficiency

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

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

**Options :**

- 7108707885. 1
- 7108707886. 2
- 7108707887. 3
- 7108707888. 4

**Question Number : 113 Question Id : 7108701973 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. Cindrella	I. <i>Tagetes erecta</i>
B. Femina	II. Antirrhinum
C. Butterfly	III. Begonia
D. Yellows	IV. China aster

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

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

**Options :**

- 7108707889. 1
- 7108707890. 2
- 7108707891. 3
- 7108707892. 4

**Question Number : 114 Question Id : 7108701974 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. <i>Zinnia elegans</i>	I. Scrophulariaceae
B. <i>Antirrhinum majus</i>	II. Onagraceae
C. <i>Clarkia elegans</i>	III. Amarantheceae
D. <i>Gomphrena globosa</i>	IV. Compositae

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

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

**Options :**

7108707893. 1  
7108707894. 2  
7108707895. 3  
7108707896. 4

**Question Number : 115 Question Id : 7108701975 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. <i>Impatiens balsamina</i>	I. India
B. <i>Calendula officinalis</i>	II.Caucasus
C. <i>Celosia argentea</i>	III.Tropical Asia
D. <i>Gypsophila elegans</i>	IV.Southern Europe

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

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

**Options :**

7108707897. 1  
7108707898. 2  
7108707899. 3  
7108707900. 4

**Question Number : 116 Question Id : 7108701976 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. Lawn	I. Persian
B. Baradari	II. Moghul
C. Tea Garden	III. Japanese
D. Nahar	IV. English

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

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

**Options :**

- 7108707901. 1
- 7108707902. 2
- 7108707903. 3
- 7108707904. 4

**Question Number : 117 Question Id : 7108701977 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. Delhi	I. Le Corbusier
B. Chandigarh	II. Sir George King
C. Agri-Horti Society gardens	III. Percy Lancaster
D. Lloyd Botanic garden	IV. Edward Lutyens

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

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

**Options :**

7108707905. 1  
7108707906. 2  
7108707907. 3  
7108707908. 4

**Question Number : 118 Question Id : 7108701978 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. Prof. Lancelot Hogben	I. Wild garden
B. Sir Humphrey Repton	II. Bio-aesthetic Planning
C. William Robinson	III. French Gardens
D. Le Notre	IV. English Gardens

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

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

**Options :**

7108707909. 1

7108707910. 2

7108707911. 3

7108707912. 4

**Question Number : 119 Question Id : 7108701979 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. Sausage tree	I. <i>Couroupita guianensis</i>
B. Canon Ball tree	II. <i>Kigelia pinnata</i>
C. Basant Rani	III. <i>Millingtonia hortensis</i>
D. Indian Cork tree	IV. <i>Tabebuia spectabilis</i>

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

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

**Options :**

7108707913. 1  
7108707914. 2  
7108707915. 3  
7108707916. 4

**Question Number : 120 Question Id : 7108701980 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. Hybrid Tea	I. Jantar Mantar
B. Floribunda	II. Hans
C. Polyantha	III. Swati
D. Climber	IV. Delhi Pink Pearl

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

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

**Options :**

7108707917. 1

7108707918. 2

7108707919. 3

7108707920. 4