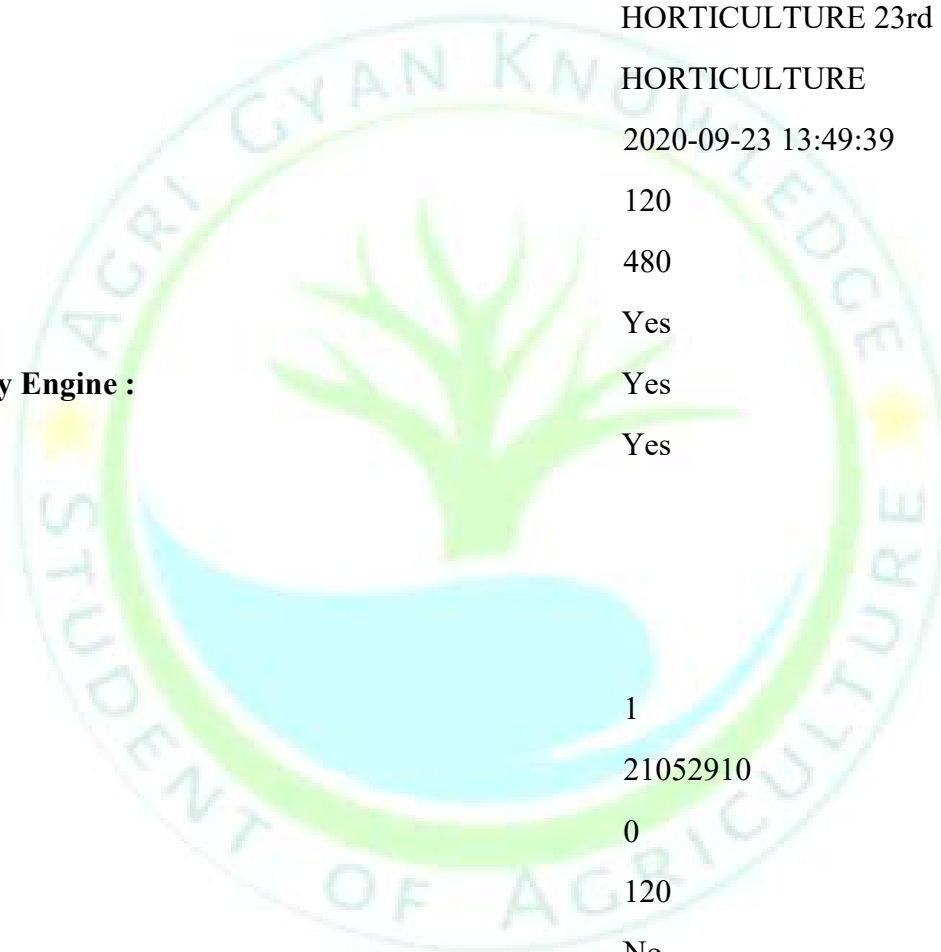


# National Testing Agency

<b>Question Paper Name :</b>	HORTICULTURE 23rd Sep 2020 Shift 1 Set 2
<b>Subject Name :</b>	HORTICULTURE
<b>Creation Date :</b>	2020-09-23 13:49:39
<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

## HORTICULTURE

<b>Group Number :</b>	1
<b>Group Id :</b>	21052910
<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



**Group Marks :** 480  
**Is this Group for Examiner? :** No

## **HORTICULTURE**

**Section Id :** 21052914  
**Section Number :** 1  
**Section type :** Online  
**Mandatory or Optional :** Mandatory  
**Number of Questions :** 120  
**Number of Questions to be attempted :** 120  
**Section Marks :** 480  
**Display Number Panel :** Yes  
**Group All Questions :** Yes  
**Mark As Answered Required? :** Yes  
**Sub-Section Number :** 1  
**Sub-Section Id :** 21052914  
**Question Shuffling Allowed :** Yes

**Question Number : 1 Question Id : 2105291141 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 preservation of cell, tissues and organs of a plant under ultra-low temperature ( $-196^{\circ}\text{C}$ ) is called

1. Hyperbolic preservation
2. Liquid preservation
3. Hypobolic preservation
4. Cryopreservation

**Options :**

- 2105294561. 1
- 2105294562. 2
- 2105294563. 3
- 2105294564. 4

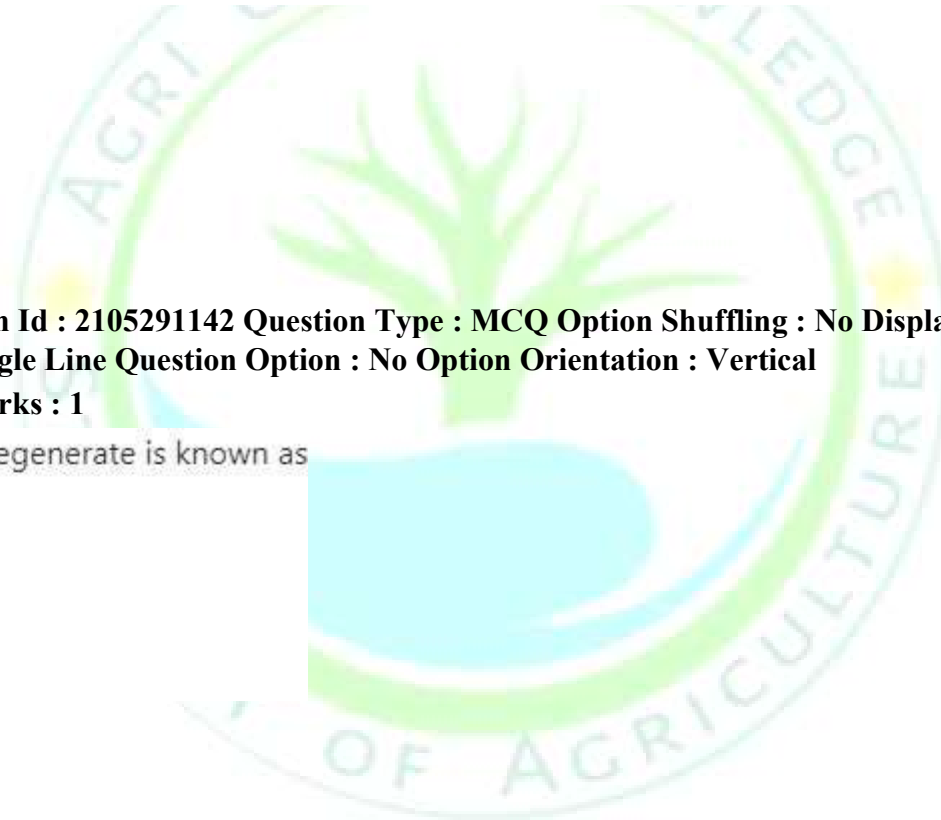
**Question Number : 2 Question Id : 2105291142 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The ability of a plant cell to regenerate is known as

1. Apomixis
2. Totipotency
3. Parthenogenesis
4. Budding

**Options :**

- 2105294565. 1
- 2105294566. 2
- 2105294567. 3
- 2105294568. 4



**Question Number : 3 Question Id : 2105291143 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 optimum average daily temperature for wheat sowing is

1. 22-23°C
2. 15-20°C
3. 25-27°C
4. 28-30°C

**Options :**

2105294569. 1  
2105294570. 2  
2105294571. 3  
2105294572. 4

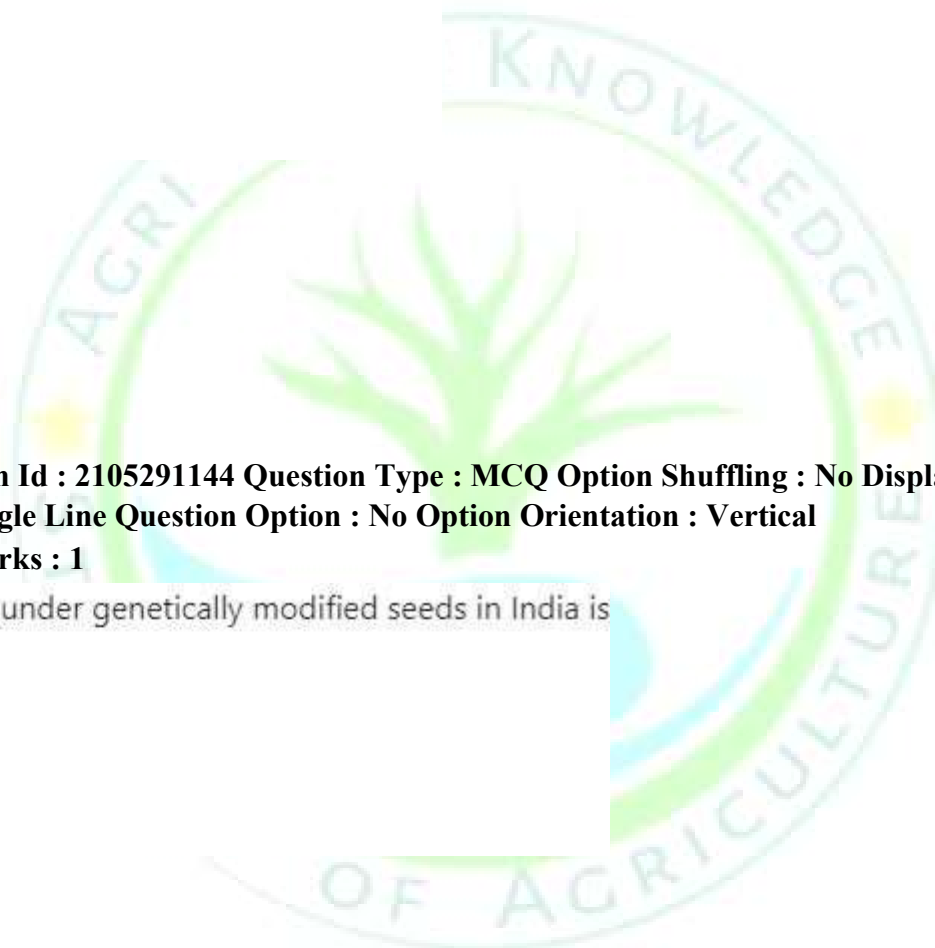
**Question Number : 4 Question Id : 2105291144 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The crop having largest area under genetically modified seeds in India is

1. Brinjal
2. Soybean
3. Cotton
4. Tomato

**Options :**

2105294573. 1  
2105294574. 2  
2105294575. 3  
2105294576. 4



**Question Number : 5 Question Id : 2105291145 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**

Some of the important characteristics of predators are:

- A. They feed on prey smaller than themselves
- B. Lady bird beetles are not being used for managing mealybugs and scale insects
- C. They are free-living and require several preys to complete their life cycle
- D. They feed on prey bigger than themselves

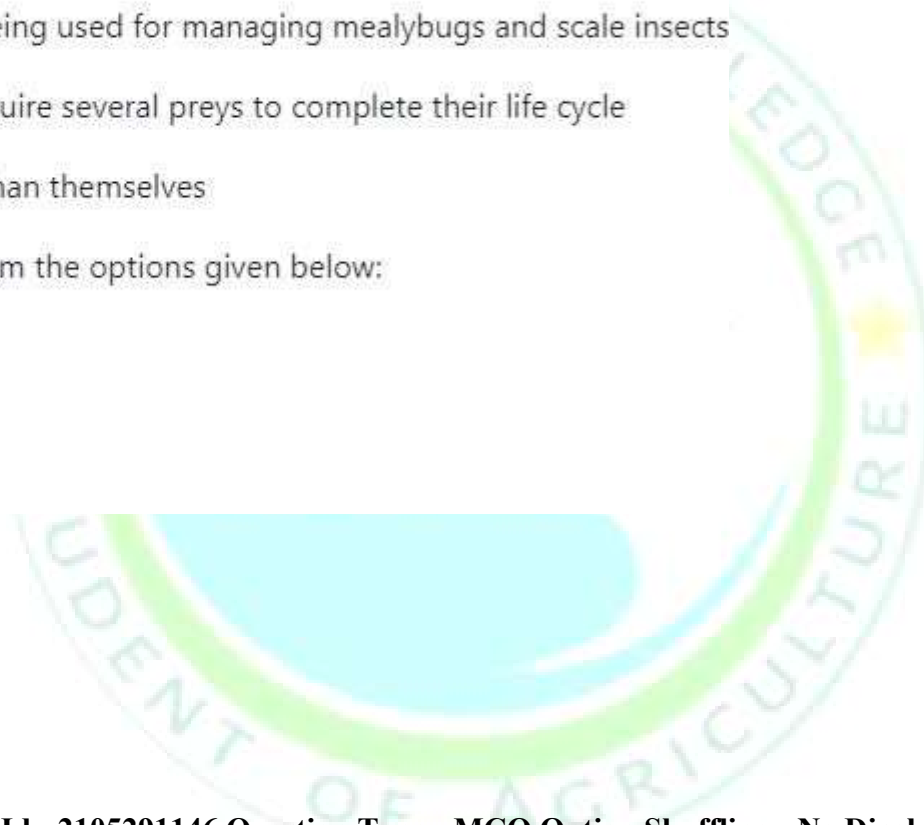
Choose the correct answer from the options given below:

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

**Options :**

- 2105294577. 1
- 2105294578. 2
- 2105294579. 3
- 2105294580. 4

**Question Number : 6 Question Id : 2105291146 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 pre-emergence herbicide?

- A. Atrazine
- B. Pendimethalin
- C. Glyphosate
- D. 2, 4-D

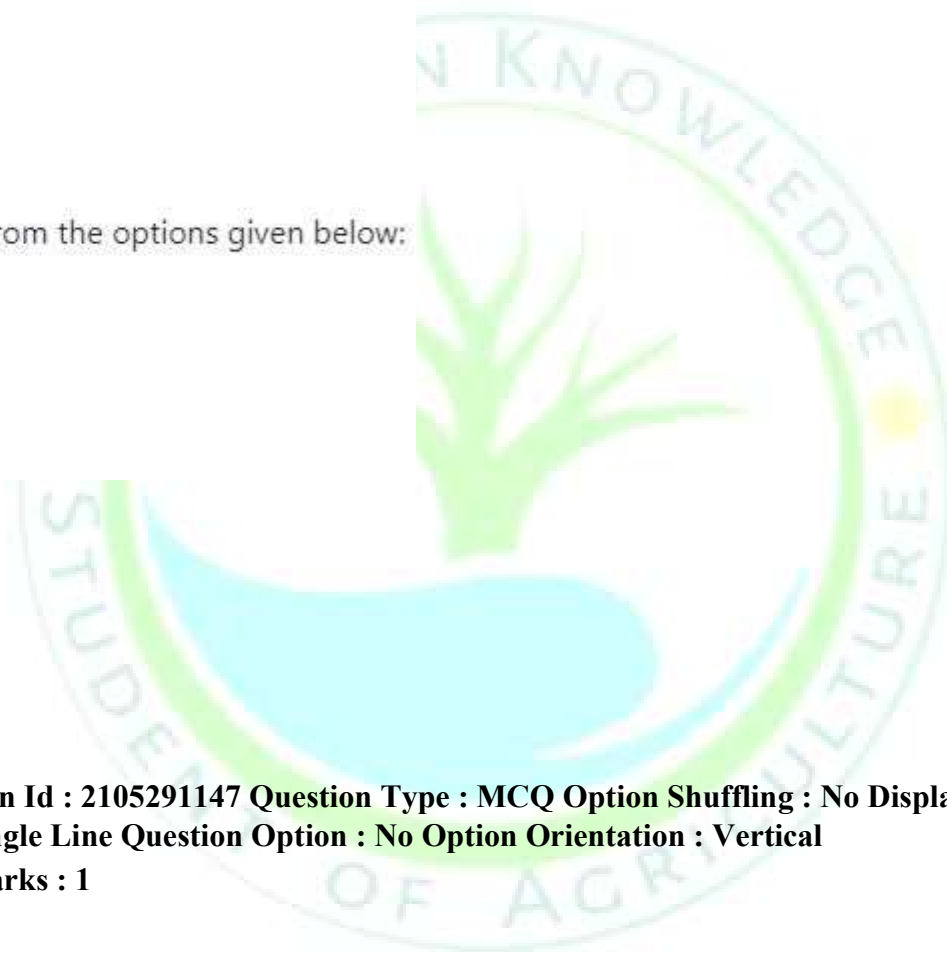
Choose the correct answer from the options given below:

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

**Options :**

- 2105294581. 1
- 2105294582. 2
- 2105294583. 3
- 2105294584. 4

**Question Number : 7 Question Id : 2105291147 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 export of which one of the following Basmati rice varieties earns the highest share of foreign exchange of total rice exports?

1. Pusa 1121
2. Improved Pusa Basmati
3. Pusa Basmati 1
4. Pusa 1509

**Options :**

- 2105294585. 1
- 2105294586. 2
- 2105294587. 3
- 2105294588. 4

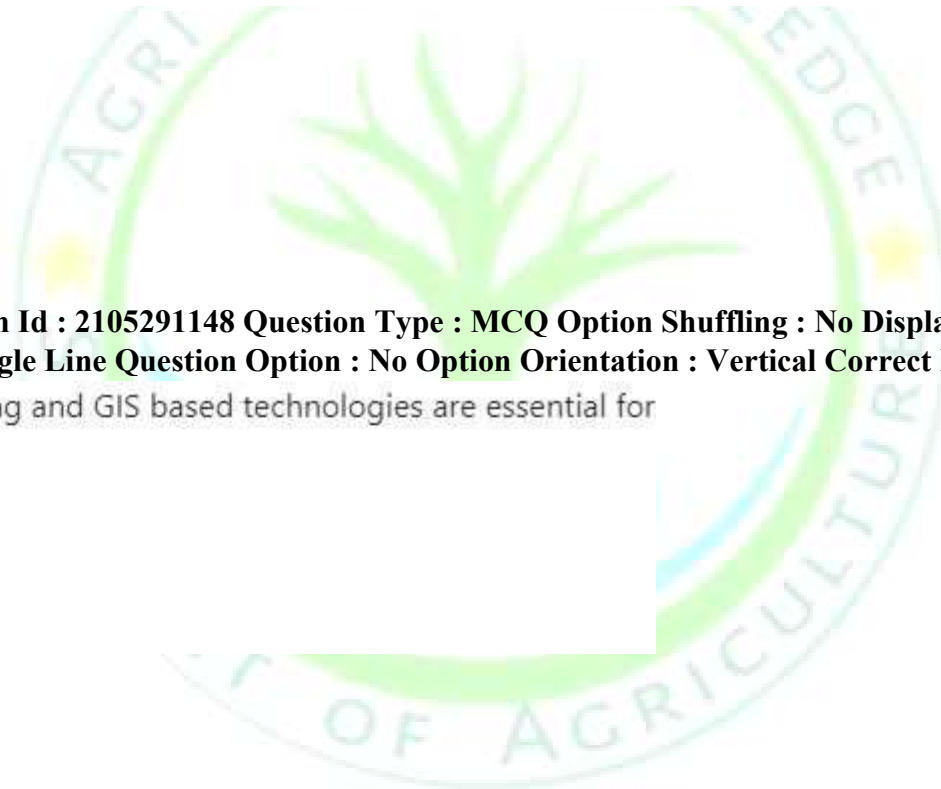
**Question Number : 8 Question Id : 2105291148 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Application of Remote sensing and GIS based technologies are essential for

1. Integrated Farming
2. Intensive Farming
3. Precision Farming
4. Mixed Farming

**Options :**

- 2105294589. 1
- 2105294590. 2
- 2105294591. 3
- 2105294592. 4



**Question Number : 9 Question Id : 2105291149 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:** The rice variety Pusa 1460 was developed by marker assisted selection (MAS).

**Statement II:** The genes for bacterial blight resistance have been introgressed in Pusa Basmati 1

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

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

**Options :**

- 2105294593. 1
- 2105294594. 2
- 2105294595. 3
- 2105294596. 4

**Question Number : 10 Question Id : 2105291150 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. Khaira disease of rice	I. Copper
B. Brown heart in radish	II. Chloride
C. Herring bone disease of tomato	III. Zn deficiency
D. Stem melanosis disease of wheat	IV. Phosphorus

Choose the correct answer from the options given below

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

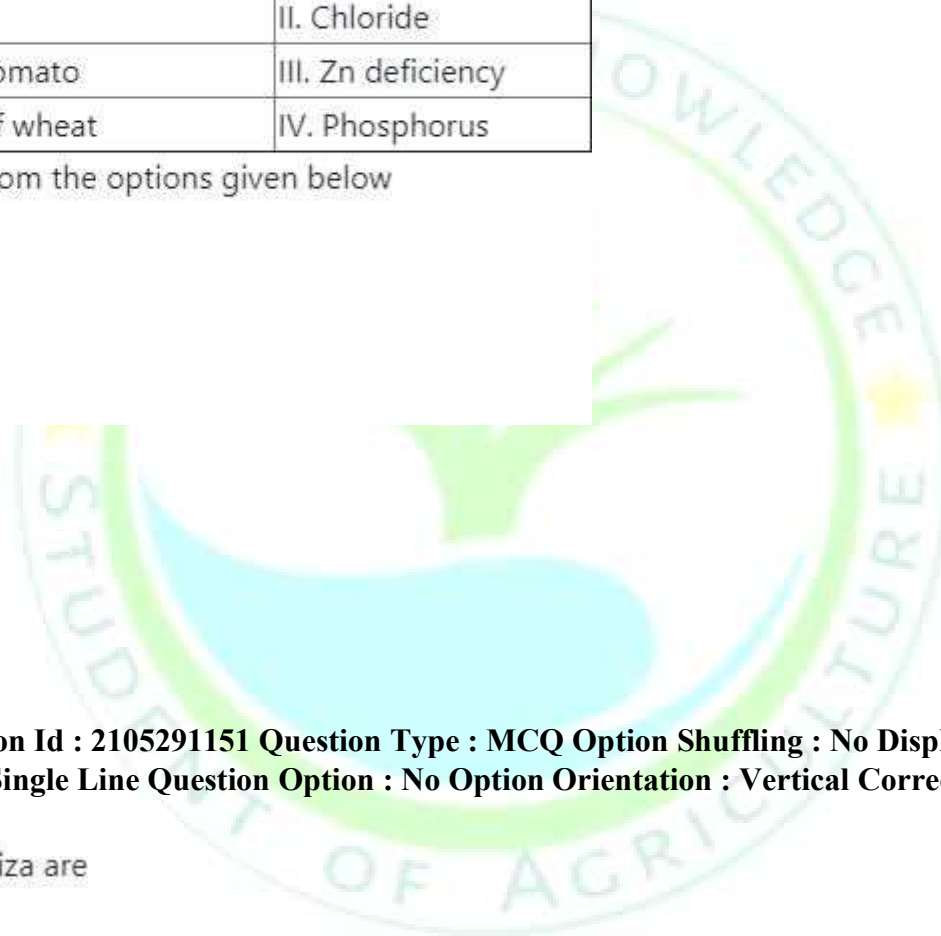
**Options :**

- 2105294597. 1
- 2105294598. 2
- 2105294599. 3
- 2105294600. 4

**Question Number : 11 Question Id : 2105291151 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**

Vesicular arbuscular mycorrhiza are

1. Free living organisms
2. Obligate symbiont
3. Facultative symbiont
4. Obligate parasite



**Options :**

- 2105294601. 1
- 2105294602. 2
- 2105294603. 3
- 2105294604. 4

**Question Number : 12 Question Id : 2105291152 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**

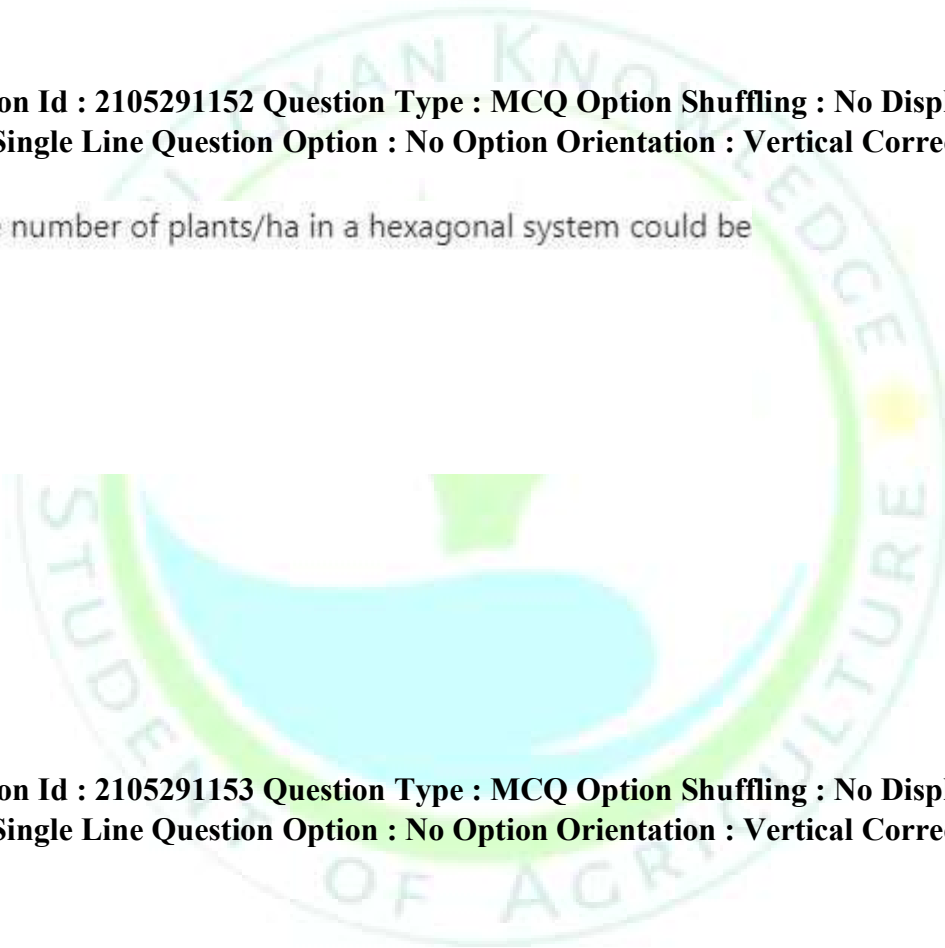
At 3.5 m x 3.5 m spacing, the number of plants/ha in a hexagonal system could be

- 1. 160 plants
- 2. 222 plants
- 3. 272 plants
- 4. 380 plants

**Options :**

- 2105294605. 1
- 2105294606. 2
- 2105294607. 3
- 2105294608. 4

**Question Number : 13 Question Id : 2105291153 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 commercially viable technique for propagation of cashew nut is

1. Shoot tip grafting
2. Softwood grafting
3. Hardwood grafting
4. Epicotyl grafting

**Options :**

- 2105294609. 1
- 2105294610. 2
- 2105294611. 3
- 2105294612. 4

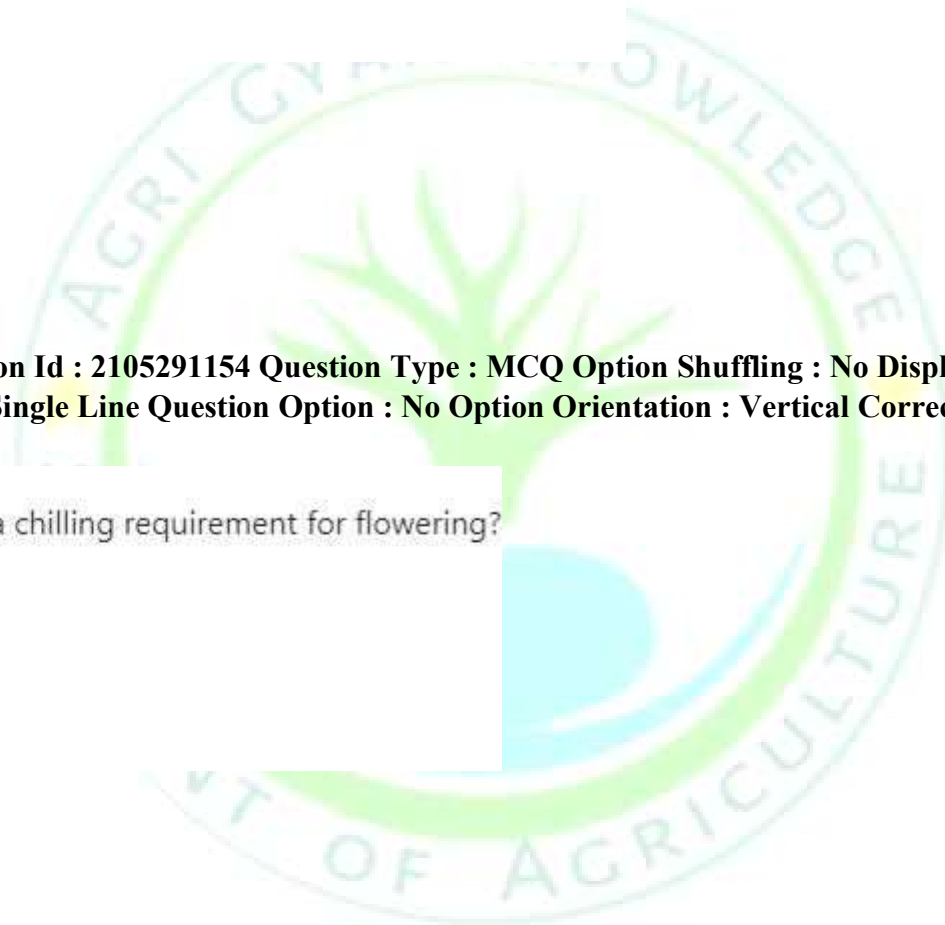
**Question Number : 14 Question Id : 2105291154 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which crop does **NOT** have a chilling requirement for flowering?

1. Cabbage
2. Tulip
3. Beet Leaf
4. Beetroot

**Options :**

- 2105294613. 1
- 2105294614. 2
- 2105294615. 3
- 2105294616. 4



**Question Number : 15 Question Id : 2105291155 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 direction should be preferred for the planting of windbreak to protect orchards from strong winds?

1. South-West
2. North-East
3. South-East
4. North-West

**Options :**

- 2105294617. 1
- 2105294618. 2
- 2105294619. 3
- 2105294620. 4

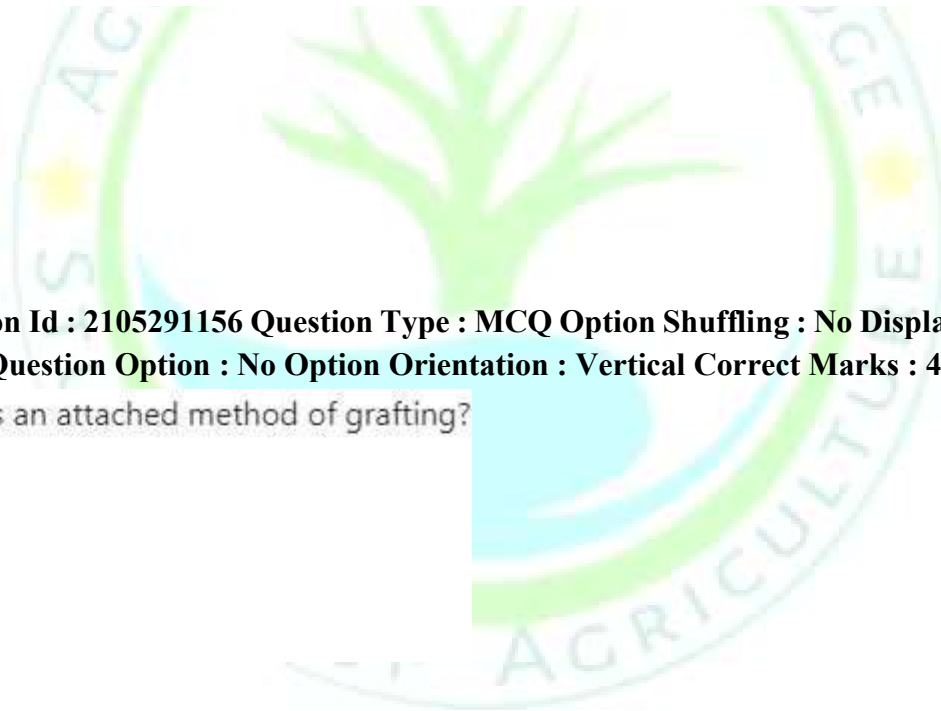
**Question Number : 16 Question Id : 2105291156 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which one of the following is an attached method of grafting?

1. Notch grafting
2. Inarching
3. Whip grafting
4. Side grafting

**Options :**

- 2105294621. 1
- 2105294622. 2
- 2105294623. 3
- 2105294624. 4



**Question Number : 17 Question Id : 2105291157 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**

Girdling is generally practiced in case of

1. Mango
2. Grapes
3. Papaya
4. Guava

**Options :**

2105294625. 1  
2105294626. 2  
2105294627. 3  
2105294628. 4

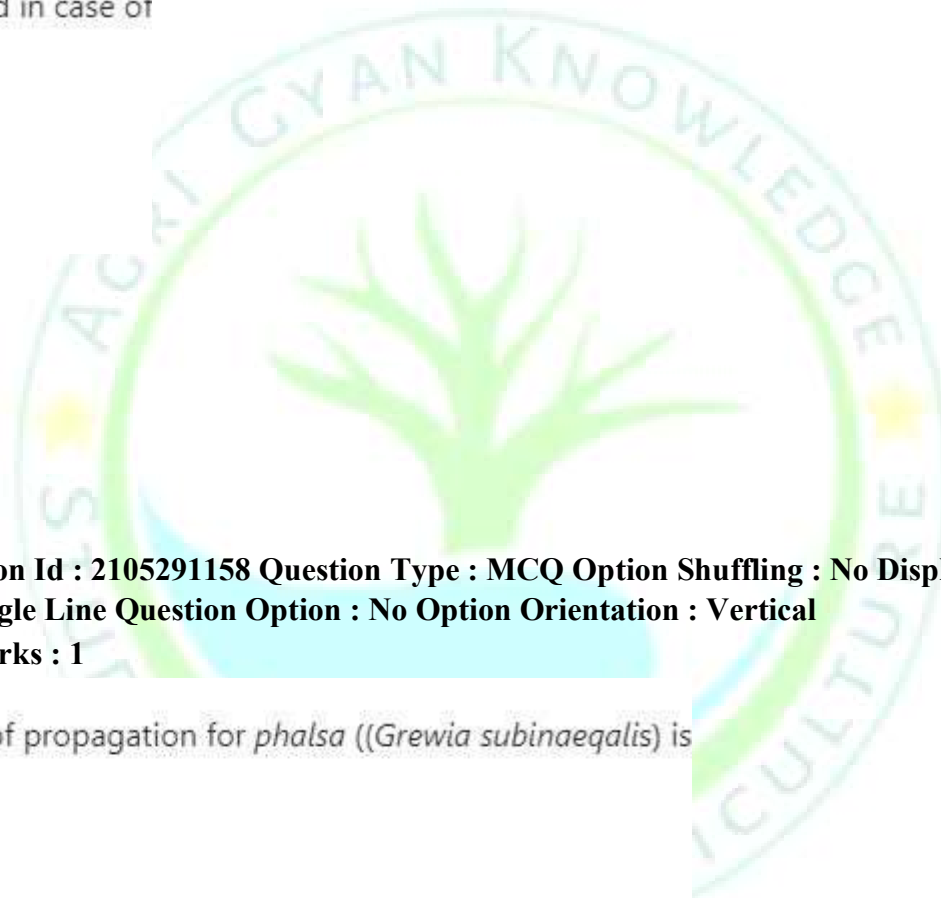
**Question Number : 18 Question Id : 2105291158 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The most common method of propagation for *phalsa* (*Grewia subinaequalis*) is

1. Seeds
2. Hardwood cutting
3. Softwood grafting
4. Budding

**Options :**

2105294629. 1  
2105294630. 2



2105294631. 3

2105294632. 4

**Question Number : 19 Question Id : 2105291159 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**

Pusa Aditi is a newly developed variety of

1. Mango
2. Guava
3. Grapes
4. Banana

**Options :**

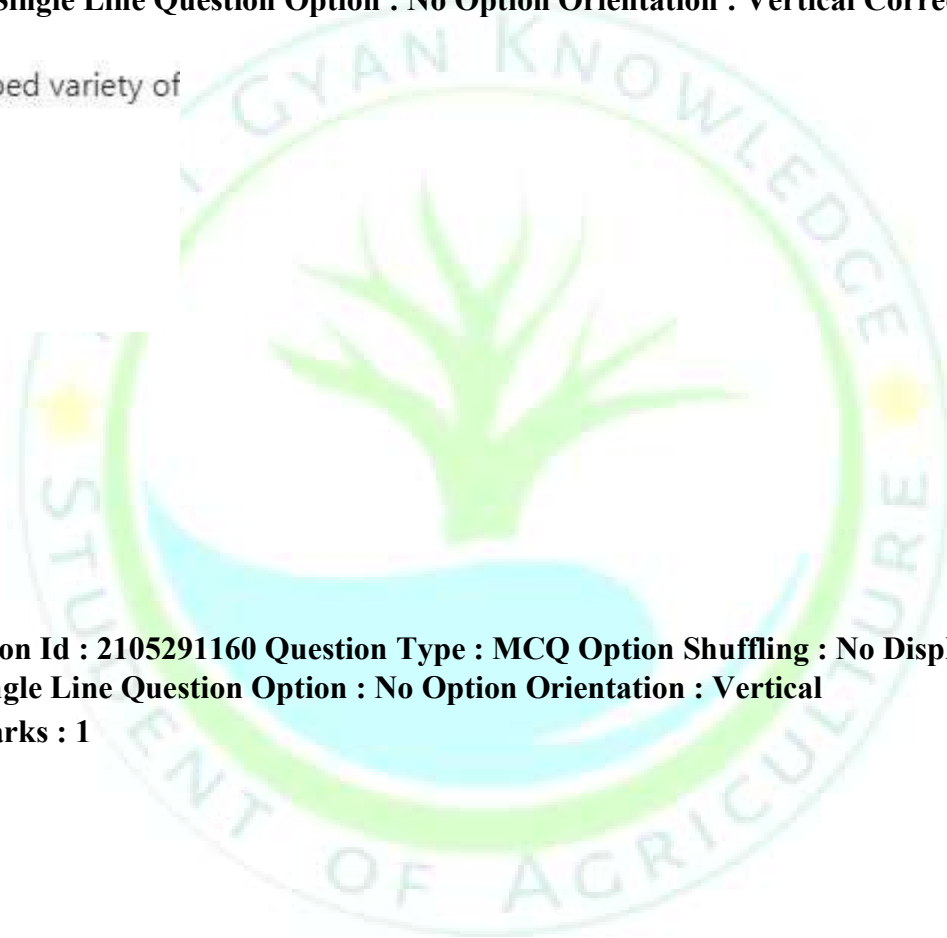
2105294633. 1

2105294634. 2

2105294635. 3

2105294636. 4

**Question Number : 20 Question Id : 2105291160 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:** A guava wilt resistant rootstock have been developed by crossing *Psidium mole* x *Psidium guajava*

**Statement II:** Root-knot nematodes (*Meloidogyne*) has become a serious threat to guava as it causes a reduction in plant vigour and wilting of leaves

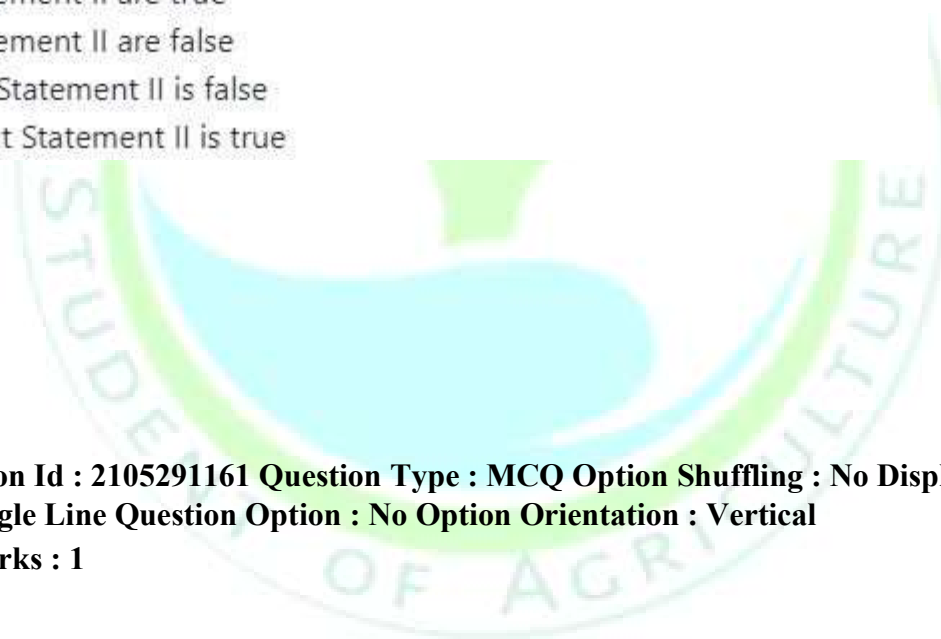
In light of the above statements, choose the **most appropriate** answer from the option given below

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

**Options :**

- 2105294637. 1
- 2105294638. 2
- 2105294639. 3
- 2105294640. 4

**Question Number : 21 Question Id : 2105291161 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**



2, 4 - Dichlorophenoxy acetic acid (2, 4-D) is a

- A. Growth regulator
- B. Mutagen
- C. Gaseous hormone
- D. Herbicide

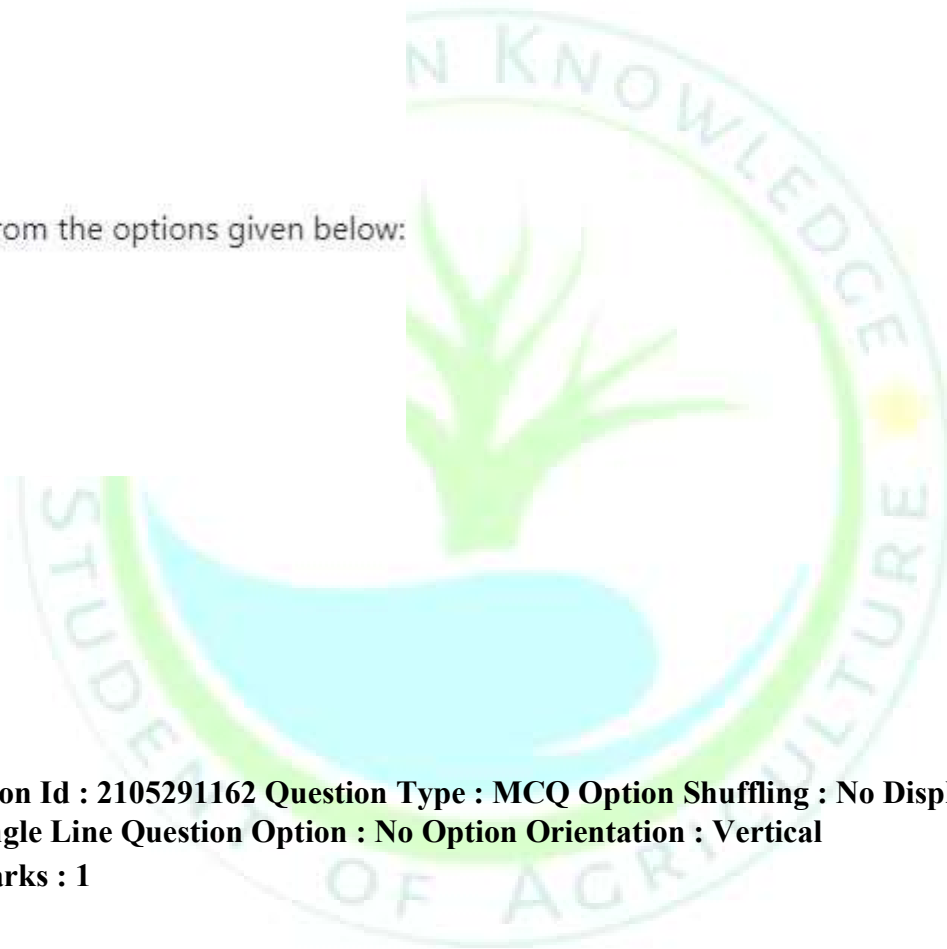
Choose the correct answer from the options given below:

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

**Options :**

- 2105294641. 1
- 2105294642. 2
- 2105294643. 3
- 2105294644. 4

**Question Number : 22 Question Id : 2105291162 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. Granulation	I. Mango
B. Black Tip	II. Citrus
C. Fruit cracking	III. Grapes
D. Pink blush	IV. Tomato

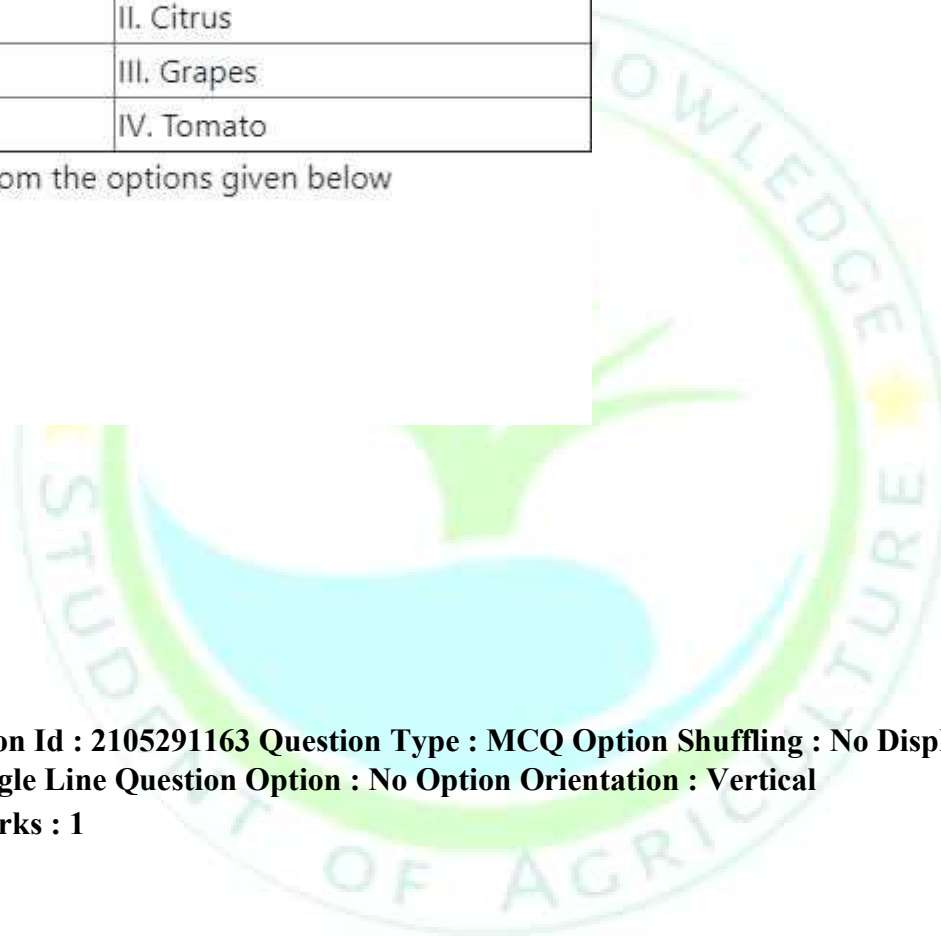
Choose the correct answer from the options given below

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

**Options :**

2105294645. 1
2105294646. 2
2105294647. 3
2105294648. 4

**Question Number : 23 Question Id : 2105291163 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. Bitter pit	I. Zinc
B. Little leaf	II. Calcium
C. Fruit cracking	III. Potassium
D. Marginal burning of leaf	IV. Boron

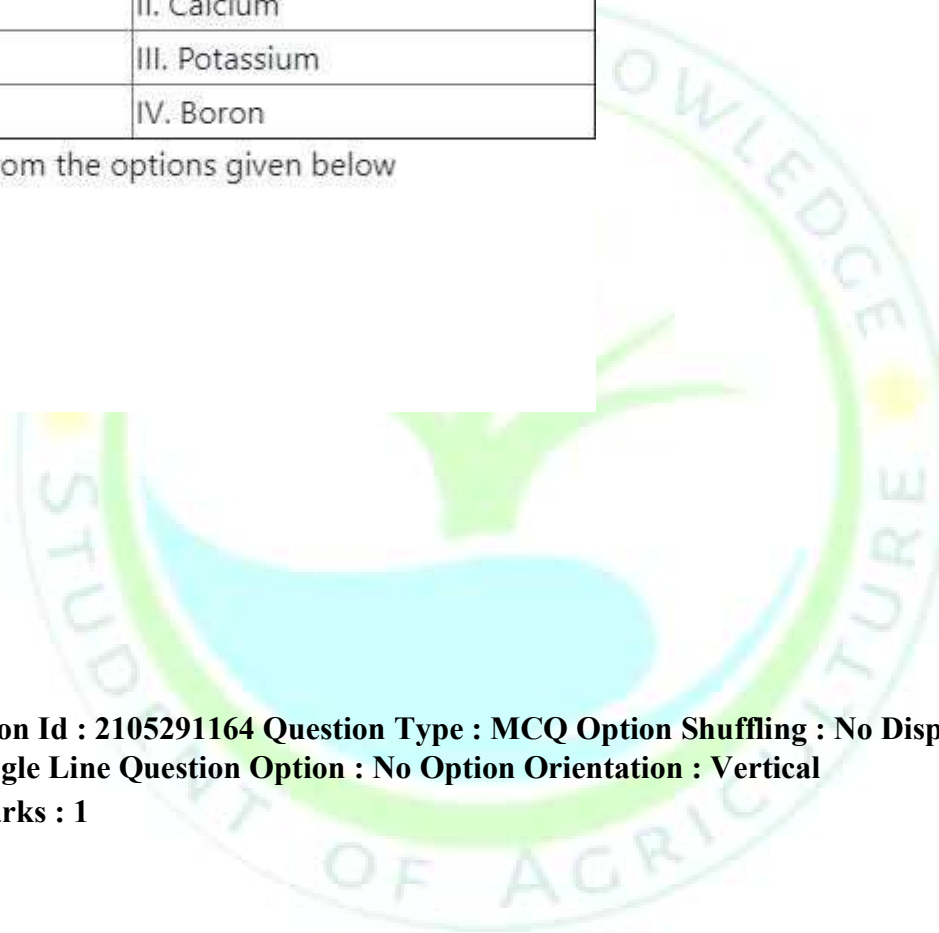
Choose the correct answer from the options given below

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

**Options :**

2105294649. 1  
2105294650. 2  
2105294651. 3  
2105294652. 4

**Question Number : 24 Question Id : 2105291164 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:** Pineapple is separated from other genera of family Bromeliaceae on the basis of the syncarpous type of fruit

**Statement II:** Its juice contains a very low amount of a digestive enzyme bromelin

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

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

**Options :**

- 2105294653. 1
- 2105294654. 2
- 2105294655. 3
- 2105294656. 4

**Question Number : 25 Question Id : 2105291165 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 the richest source of carbohydrates?

1. Date palm
2. Bael
3. Banana
4. Custard apple

**Options :**

- 2105294657. 1
- 2105294658. 2
- 2105294659. 3
- 2105294660. 4

**Question Number : 26 Question Id : 2105291166 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**

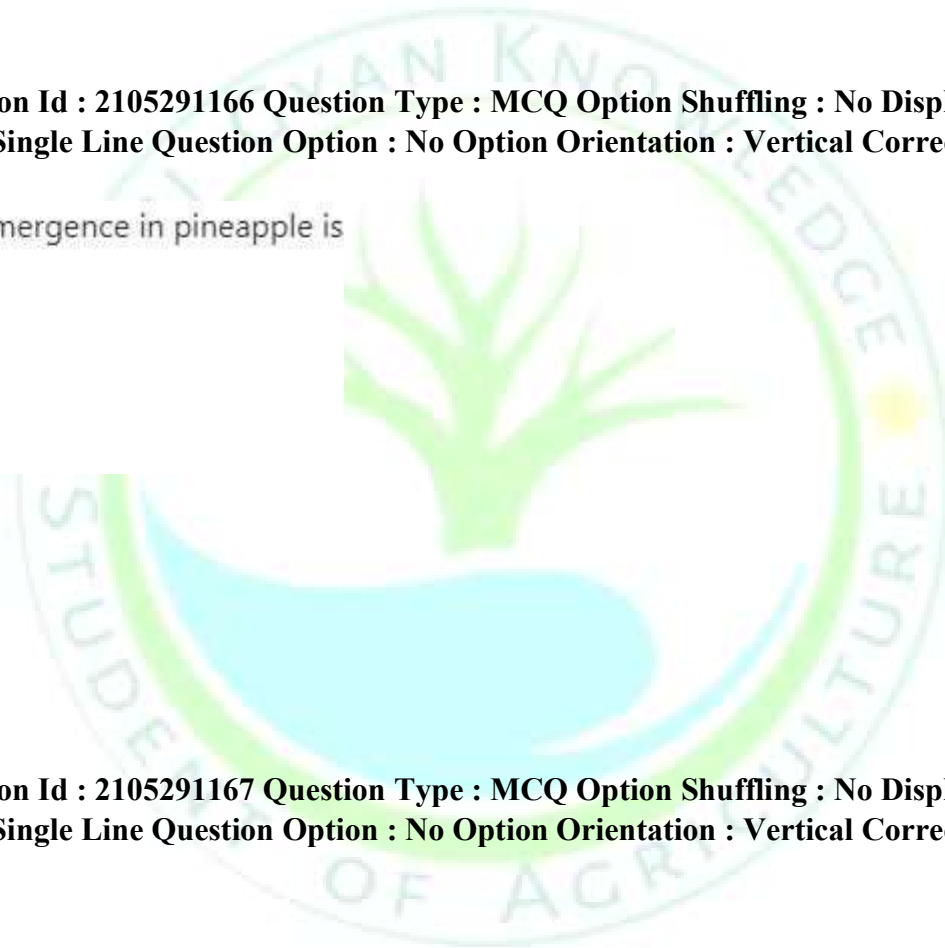
The stage of inflorescence emergence in pineapple is

- 1. Piping
- 2. Red Heart
- 3. Rosette
- 4. Sorose

**Options :**

- 2105294661. 1
- 2105294662. 2
- 2105294663. 3
- 2105294664. 4

**Question Number : 27 Question Id : 2105291167 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**



Melting flesh peaches mesocarp undergo softening at

1. First stage of ripening
2. Mid stage of ripening
3. Last stage of ripening
4. Senescence phase

**Options :**

- 2105294665. 1
- 2105294666. 2
- 2105294667. 3
- 2105294668. 4

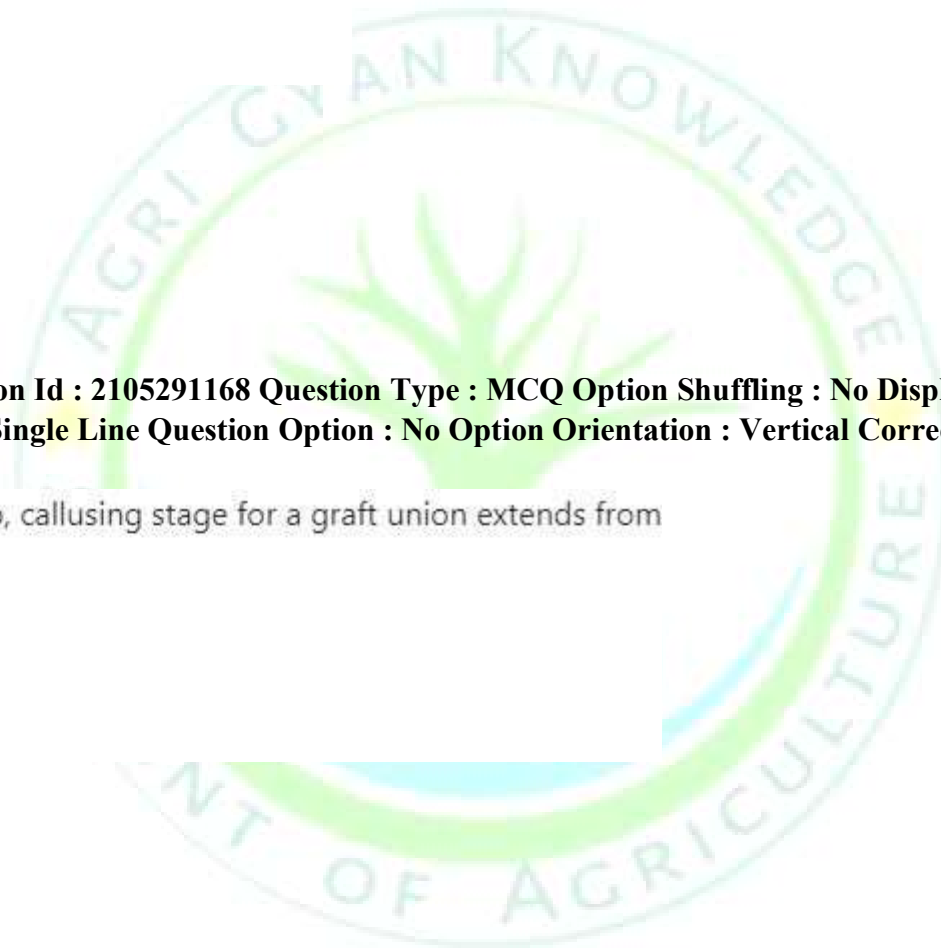
**Question Number : 28 Question Id : 2105291168 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

In epicotyl grafting of mango, callusing stage for a graft union extends from

1. 10-30 days
2. 30-60 days
3. 60-90 days
4. 90-120 days

**Options :**

- 2105294669. 1
- 2105294670. 2
- 2105294671. 3
- 2105294672. 4



**Question Number : 29 Question Id : 2105291169 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 botanical term of banana inflorescence is

1. Thyrsse
2. Catkin
3. Hypanthodium
4. Spadix

**Options :**

2105294673. 1  
2105294674. 2  
2105294675. 3  
2105294676. 4

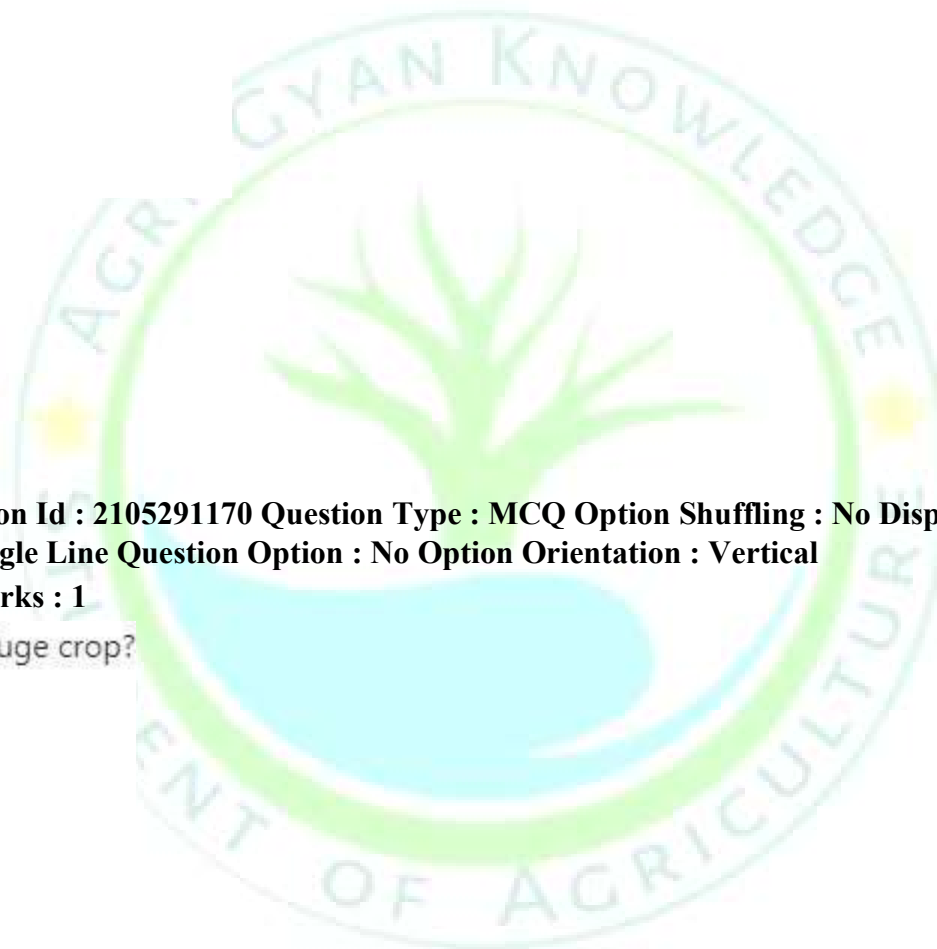
**Question Number : 30 Question Id : 2105291170 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which is considered as calcifuge crop?

1. Mango
2. Banana
3. Citrus
4. Guava

**Options :**

2105294677. 1  
2105294678. 2  
2105294679. 3  
2105294680. 4



**Question Number : 31 Question Id : 2105291171 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**

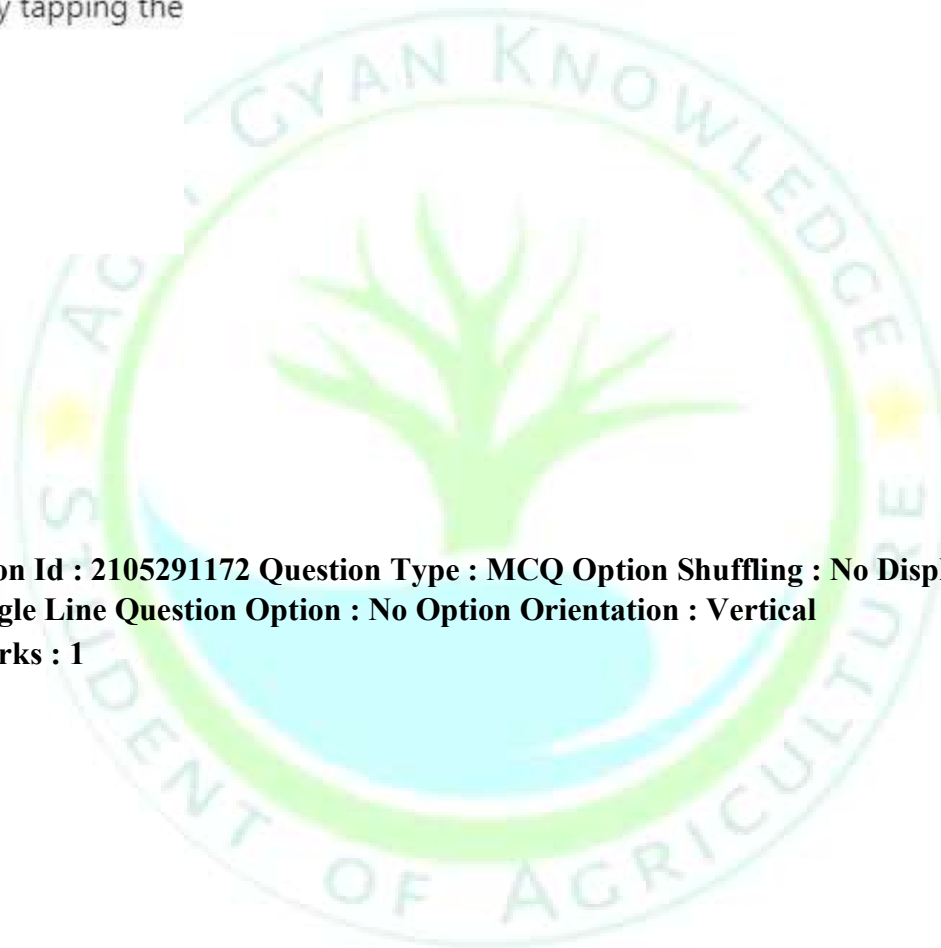
Coconut toddy is obtained by tapping the

1. Unopened spadix
2. Unopened spathe
3. Opened spathe
4. Opened spadix

**Options :**

- 2105294681. 1
- 2105294682. 2
- 2105294683. 3
- 2105294684. 4

**Question Number : 32 Question Id : 2105291172 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 system of training, trees are trained to form a V shape?

1. Vertical Centre
2. Kniffin System
3. Tatura trellis
4. Spindle bush

**Options :**

2105294685. 1
2105294686. 2
2105294687. 3
2105294688. 4

**Question Number : 33 Question Id : 2105291173 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**

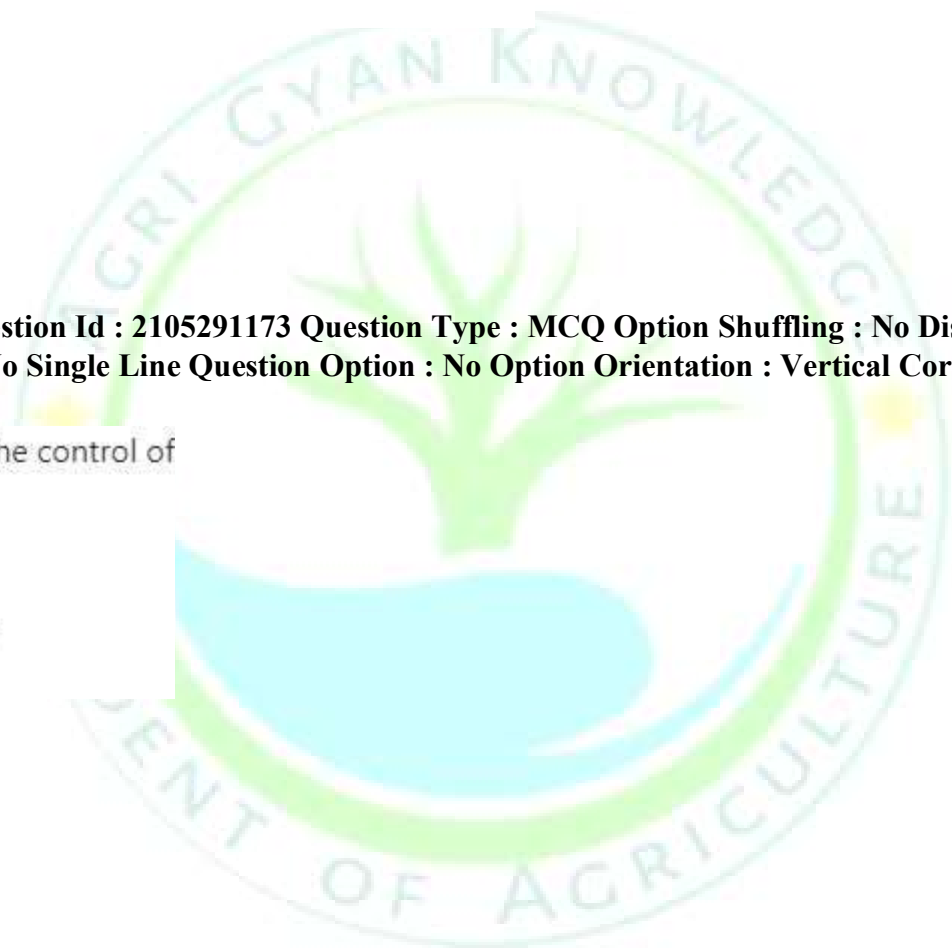
Tree banding is used for the control of

1. *Drosicha mangifera*
2. *Clumetia transversa*
3. *Batocera rufomaculata*
4. *Eublemma versicolo*

**Options :**

2105294689. 1
2105294690. 2
2105294691. 3
2105294692. 4

**Question Number : 34 Question Id : 2105291174**





One year old apple trees consisting of a single stem are known as

1. Whip
2. Vertigo
3. Feather
4. Monarch

**Options :**

- 2105294693. 1
- 2105294694. 2
- 2105294695. 3
- 2105294696. 4

**Question Number : 35 Question Id : 2105291175 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 stone fruit, the period of suspended growth coincides with

1. Fall of sepals
2. Final swell
3. Pith softening
4. Pith hardening

**Options :**

- 2105294697. 1
- 2105294698. 2
- 2105294699. 3
- 2105294700. 4

**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 first bi-specific origin of Banana was suggested by

1. Lineaus
2. Simmonds
3. Cheesman
4. Kurz

**Question Number : 36 Question Id : 2105291176 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**

**Options :**

2105294701. 1
2105294702. 2
2105294703. 3
2105294704. 4

**Question Number : 37 Question Id : 2105291177 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 salinity tolerant rootstock of mango?

1. Vellai Kollumban
2. Rumani
3. Kurukkan
4. Olour

**Options :**

2105294705. 1
2105294706. 2
2105294707. 3
2105294708. 4

**Question Number : 38 Question Id : 2105291178**



**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 fruits has the highest TSS?

1. Mango
2. Grape
3. Jamun
4. Bael

**Options :**

2105294709. 1  
2105294710. 2  
2105294711. 3  
2105294712. 4

**Question Number : 39 Question Id : 2105291179 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**

Mango is subjected to hot water treatment before export to manage

1. Fruit Fly
2. Viruses
3. Anthracnose
4. Spongy tissue

**Options :**

2105294713. 1  
2105294714. 2  
2105294715. 3  
2105294716. 4

**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 coloured seeded variety of grape?

1. Sonaka
2. Manik Chaman
3. Tas-A-Ganesh
4. Bangalore Blue

**Question Number : 40 Question Id : 2105291180**

**Options :**

2105294717. 1
2105294718. 2
2105294719. 3
2105294720. 4

**Question Number : 41 Question Id : 2105291181 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**

Suppressed climacteric fruit is related to

1. Apple
2. Banana
3. Peach
4. Plum

**Options :**

2105294721. 1
2105294722. 2
2105294723. 3
2105294724. 4

**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**

**Question Number : 42 Question Id : 2105291182**

Given below are two statements

**Statement I:** Rangpur lime (*Citrus limonia*) is considered as most suitable rootstock for Nagpur mandarin

**Statement II:** This rootstock does not have resistance to gummosis and root rot

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

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

**Options :**

- 2105294725. 1
- 2105294726. 2
- 2105294727. 3
- 2105294728. 4

**Question Number : 43 Question Id : 2105291183 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:** Cytokinin promotes chloroplast development and chlorophyll synthesis

**Statement II:** Cytokinin delays senescence of cut flowers

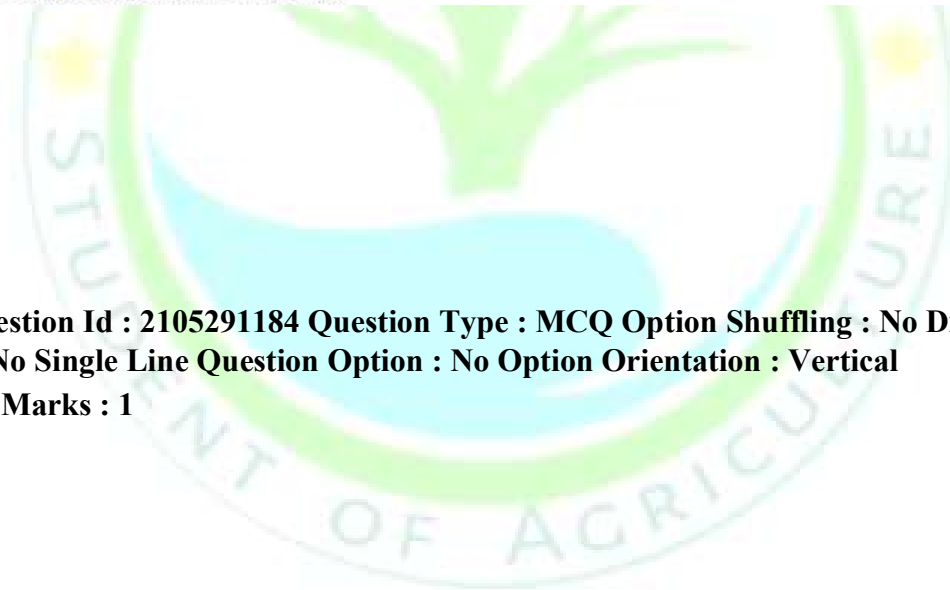
In light of the above statements, choose the **most appropriate** answer from the option given below

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

**Options :**

- 2105294729. 1
- 2105294730. 2
- 2105294731. 3
- 2105294732. 4

**Question Number : 44 Question Id : 2105291184 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**



Citrus rootstock susceptible to *Phytophthora* and *Tristeza* are

- A. Alemow
- B. Rough lemon
- C. Savage
- D. X-639

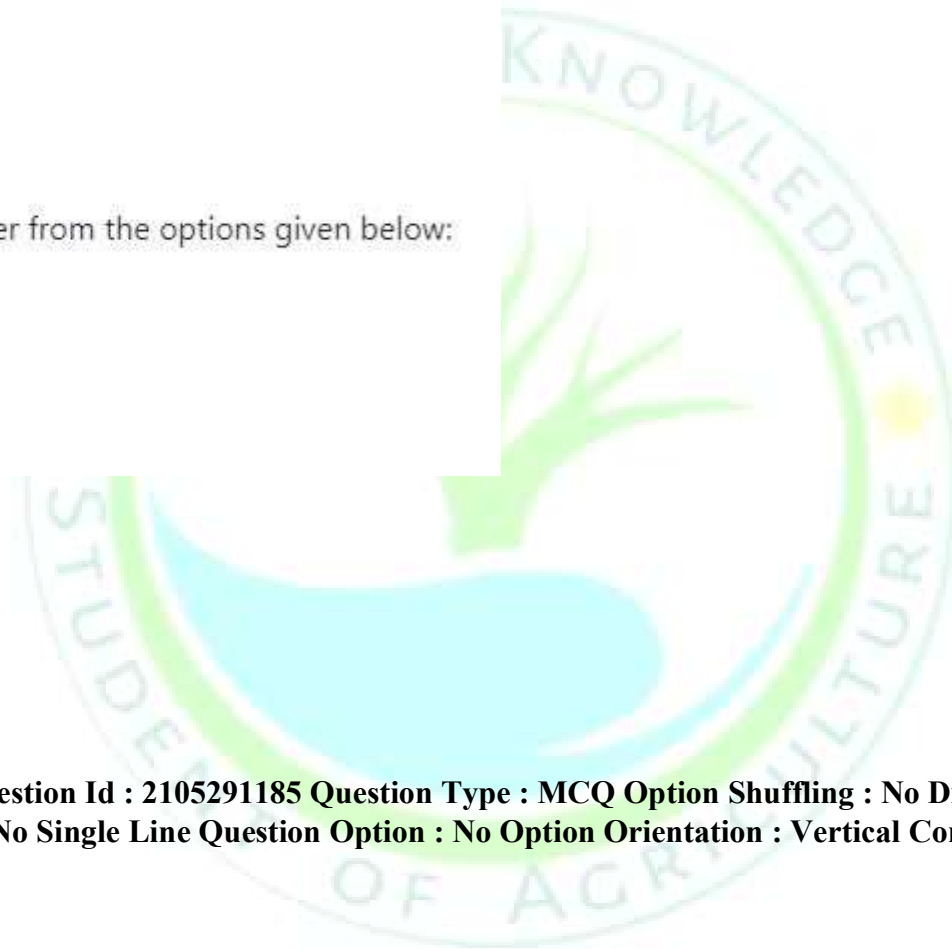
Choose the correct answer from the options given below:

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

**Options :**

- 2105294733. 1
- 2105294734. 2
- 2105294735. 3
- 2105294736. 4

**Question Number : 45 Question Id : 2105291185 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 vegetable to be grown in saline soil is

1. Cabbage
2. Watermelon
3. Potato
4. Beet

**Options :**

2105294737. 1  
2105294738. 2  
2105294739. 3  
2105294740. 4

**Question Number : 46 Question Id : 2105291186 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. Pusa Arunima	I. Alphonso x Banganpalli
B. Ratna	II. Neelum x Alphonso
C. Sindhu	III. Ratna x Alphonso
D. Arka Puneet	IV. Amrapali x Sensation

Choose the correct answer from the options given below

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

**Options :**

- 2105294741. 1
- 2105294742. 2
- 2105294743. 3
- 2105294744. 4

**Question Number : 47 Question Id : 2105291187 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. Berry elongation in grapes	I. IBA
B. Single Sigmoid Curve	II. GA <sub>3</sub>
C. Induce rooting	III. <i>Mallus domestica</i>
D. Veraison stage in grape	IV. Onset of ripening

Choose the correct answer from the options given below

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

**Options :**

- 2105294745. 1
- 2105294746. 2
- 2105294747. 3
- 2105294748. 4

**Question Number : 48 Question Id : 2105291188 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 female papaya plant is intercrossed with hermaphrodite, the ratio of female and hermaphrodite in progeny will be

1. 1:2
2. 1:1
3. 1:3
4. 2:1

**Options :**

- 2105294749. 1
- 2105294750. 2
- 2105294751. 3
- 2105294752. 4

**Question Number : 49 Question Id : 2105291189 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 responsible for the biosynthesis of which plant auxin?

1. NAA
2. IBA
3. IAA
4. 2, 4-D

**Options :**

- 2105294753. 1
- 2105294754. 2
- 2105294755. 3

2105294756.4

**Question Number : 50 Question Id : 2105291190 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 *Vitis* species does NOT have tendrils opposite to the third leaf?

1. *Vitis champini*
2. *Vitis rupistris*
3. *Vitis vinifera*
4. *Vitis labrusca*

**Options :**

2105294757. 1
2105294758. 2
2105294759. 3
2105294760. 4

**Question Number : 51 Question Id : 2105291191 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 permitted sulphur dioxide limit for sweetness in Ready to Serve Beverage (RTS) is

1. 50 ppm
2. 70 ppm
3. 100 ppm
4. 200 ppm

**Options :**

2105294761. 1

2105294762. 2

2105294763. 3

2105294764. 4

**Question Number : 52 Question Id : 2105291192 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 with 8 parents in the diallel mating system (excluding reciprocals), what would be total numbers of  $F_1$ 's?

1. 56

2. 64

3. 32

4. 28

**Options :**

2105294765. 1

2105294766. 2

2105294767. 3

2105294768. 4

**Question Number : 53 Question Id : 2105291193 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 number of genotypes in a  $F_2$  population of digenic cross would be

1. 4

2. 9

3. 16

4. 8

**Options :**

- 2105294769. 1
- 2105294770. 2
- 2105294771. 3
- 2105294772. 4

**Question Number : 54 Question Id : 2105291194 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**

Maturation of male and female reproductive organs of a bisexual flower at different times is known as

- 1. Dichogamy
- 2. Dicliny
- 3. Cliestogamy
- 4. Chasmogamy

**Options :**

- 2105294773. 1
- 2105294774. 2
- 2105294775. 3
- 2105294776. 4

**Question Number : 55 Question Id : 2105291195 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:** Scald is a storage disorder of apple which usually affects the skin only

**Statement II:** It can be identified by brownish streaks radiating into flesh from the core

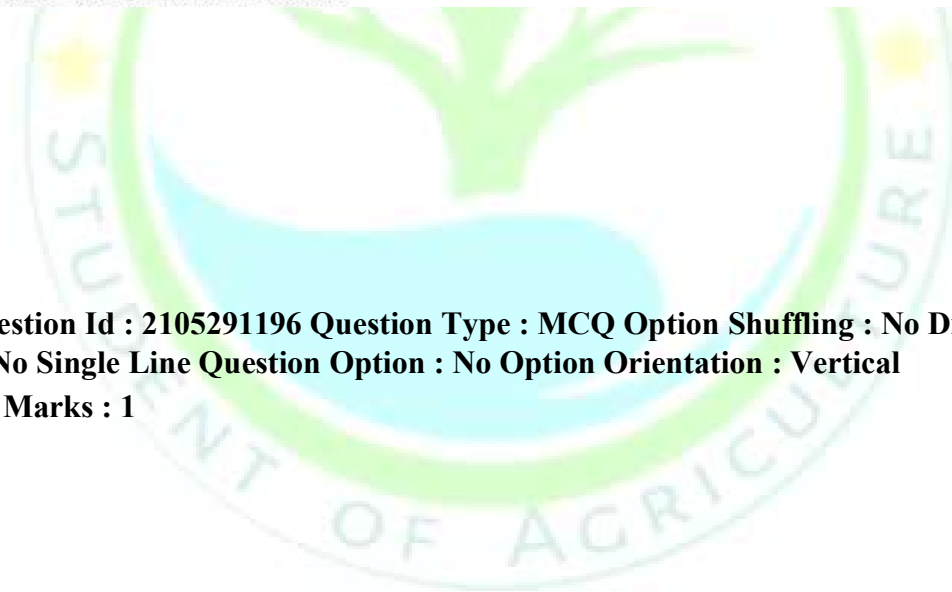
In light of the above statements, choose the **most appropriate** answer from the option given below

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

**Options :**

- 2105294777. 1
- 2105294778. 2
- 2105294779. 3
- 2105294780. 4

**Question Number : 56 Question Id : 2105291196 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**



Apple cultivar having triploid chromosomes are

- A. Golden Delicious
- B. Gravenstein
- C. Jonagold
- D. McIntosh

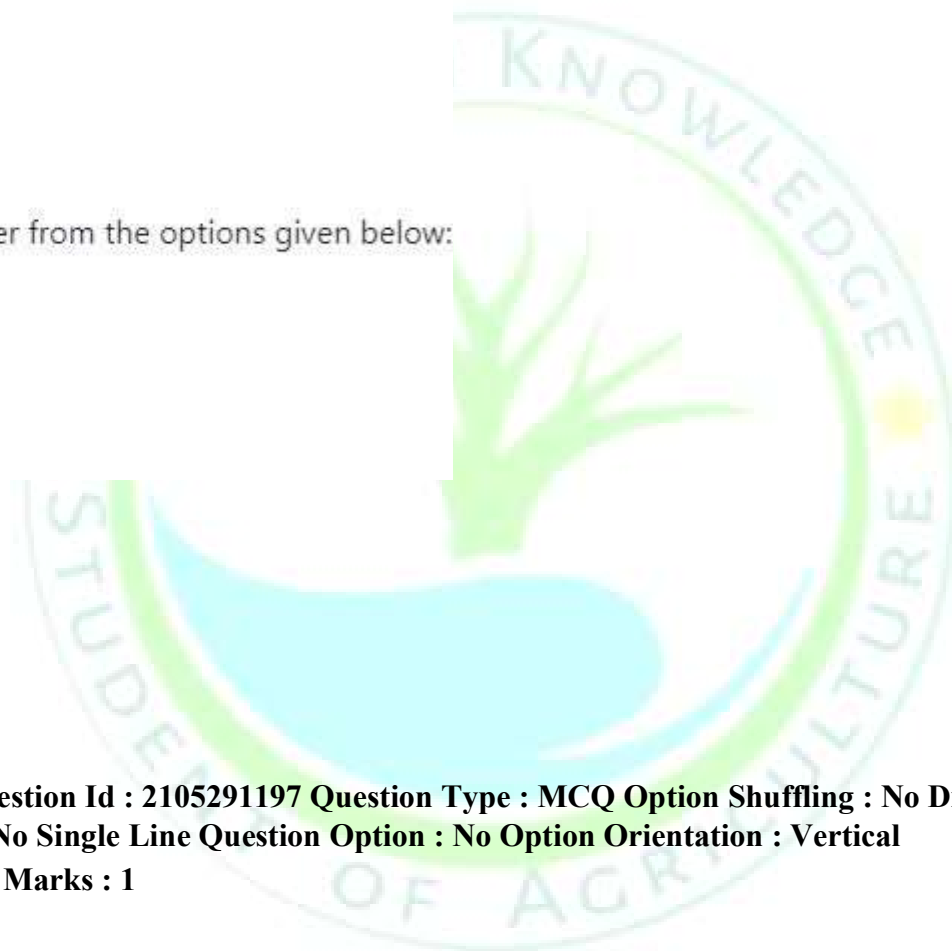
Choose the correct answer from the options given below:

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

**Options :**

- 2105294781. 1
- 2105294782. 2
- 2105294783. 3
- 2105294784. 4

**Question Number : 57 Question Id : 2105291197 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. Scab resistance	I. M9
B. Dwarfing rootstock	II. Shalimar Apple-I
C. Low chilling	III. Anna
D. Woolly apple aphid resistance	IV. Merton 793

Choose the correct answer from the options given below

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

**Options :**

2105294785. 1
2105294786. 2
2105294787. 3
2105294788. 4

**Question Number : 58 Question Id : 2105291198 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 of the following temperate fruit crop, the double growth curve is followed?

1. Apple
2. Pear
3. Peach
4. Plum

**Options :**

- 2105294789. 1
- 2105294790. 2
- 2105294791. 3
- 2105294792. 4

**Question Number : 59 Question Id : 2105291199 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:** Whiptail is a physiological disorder of cole crops caused by a deficiency of Molybdenum

**Statement II:** It occurs frequently in saline and alkaline soils

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

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

**Options :**

- 2105294793. 1
- 2105294794. 2
- 2105294795. 3
- 2105294796. 4

**Question Number : 60 Question Id : 2105291200 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**



Pithiness is the physiological disorders of which one of the following vegetables?

1. Radish
2. Tomato
3. Cucumber
4. Sweet potato

**Options :**

2105294797. 1  
2105294798. 2  
2105294799. 3  
2105294800. 4

**Question Number : 61 Question Id : 2105291201 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 the latest variety of

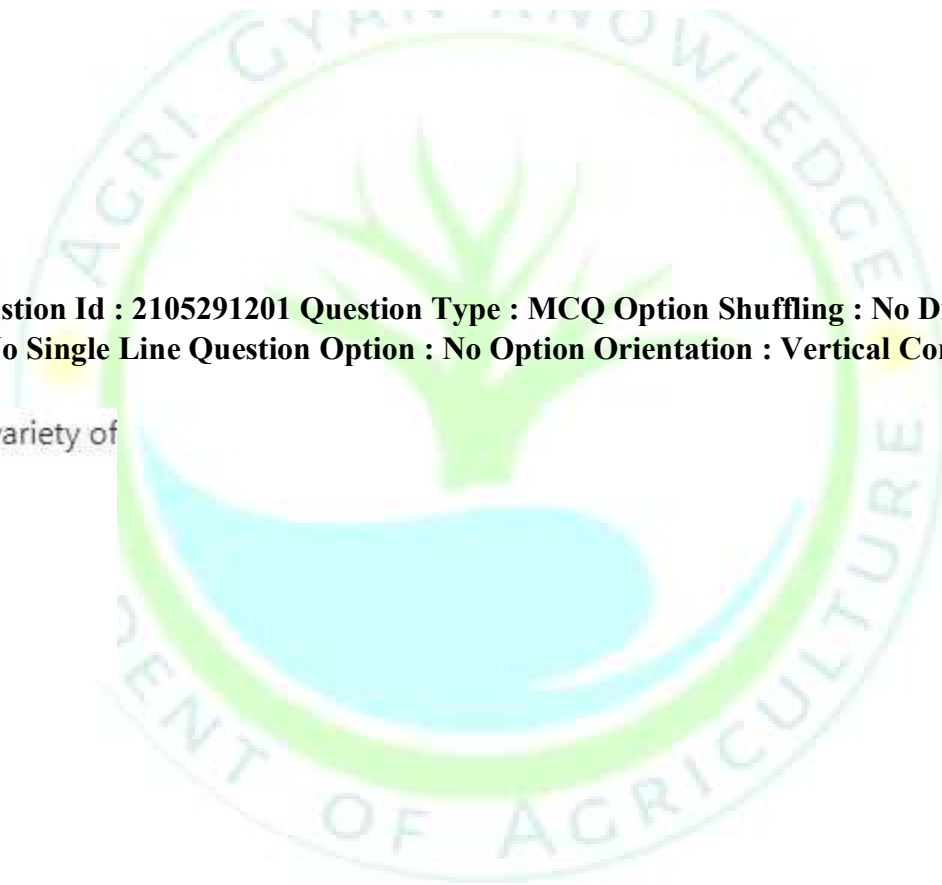
1. Okra
2. Carrot
3. Tomato
4. Radish

**Options :**

2105294801. 1  
2105294802. 2  
2105294803. 3  
2105294804. 4

**Question Number : 62 Question Id : 2105291202**

**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**



You want to cultivate onion in North India whose harvest should coincide with a higher price in November -December. Which onion variety will you choose to grow?

1. Agrifound Light Red
2. Agrifound Dark Red
3. Nasik Red
4. Pusa Red

**Options :**

2105294805. 1
2105294806. 2
2105294807. 3
2105294808. 4

**Question Number : 63 Question Id : 2105291203 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**

Nutritional value of legume vegetables is reduced due to the presence of which of the following inhibitors?

1. Trypsin
2. Cystine
3. Tyrosine
4. Tryptophan

**Options :**

2105294809. 1
2105294810. 2
2105294811. 3
2105294812. 4

ZW-20 which expresses the coat protein (CP) gene is a transgenic line of

1. Cucumber
2. Summer squash
3. Watermelon
4. Muskmelon

**Question Number : 64 Question Id : 2105291204 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**

**Options :**

2105294813. 1
2105294814. 2
2105294815. 3
2105294816. 4

**Question Number : 65 Question Id : 2105291205 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 symbol for the gene controlling bitter free cucumber fruits is

1. bi/bi
2. Bi/Bi
3. Bi/bi
4. B/b

**Options :**

2105294817. 1
2105294818. 2

**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 parentage of muskmelon cultivar, Punjab Hybrid is

1. Ms-1 x Durgapur Madhu
2. Ms-2 x Hara Madhu
3. Ms-1 x Hara Madhu
4. Ms -1 x Durgapur Madhu

2105294819. 3

2105294820. 4

**Question Number : 66 Question Id : 2105291206**

**Options :**

2105294821. 1

2105294822. 2

2105294823. 3

2105294824. 4

**Question Number : 67 Question Id : 2105291207 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**

Multiple disease resistant variety of tomato is

1. Arka Samrat
2. Arka Rakshak
3. Arka Vardan
4. Pusa Rohini

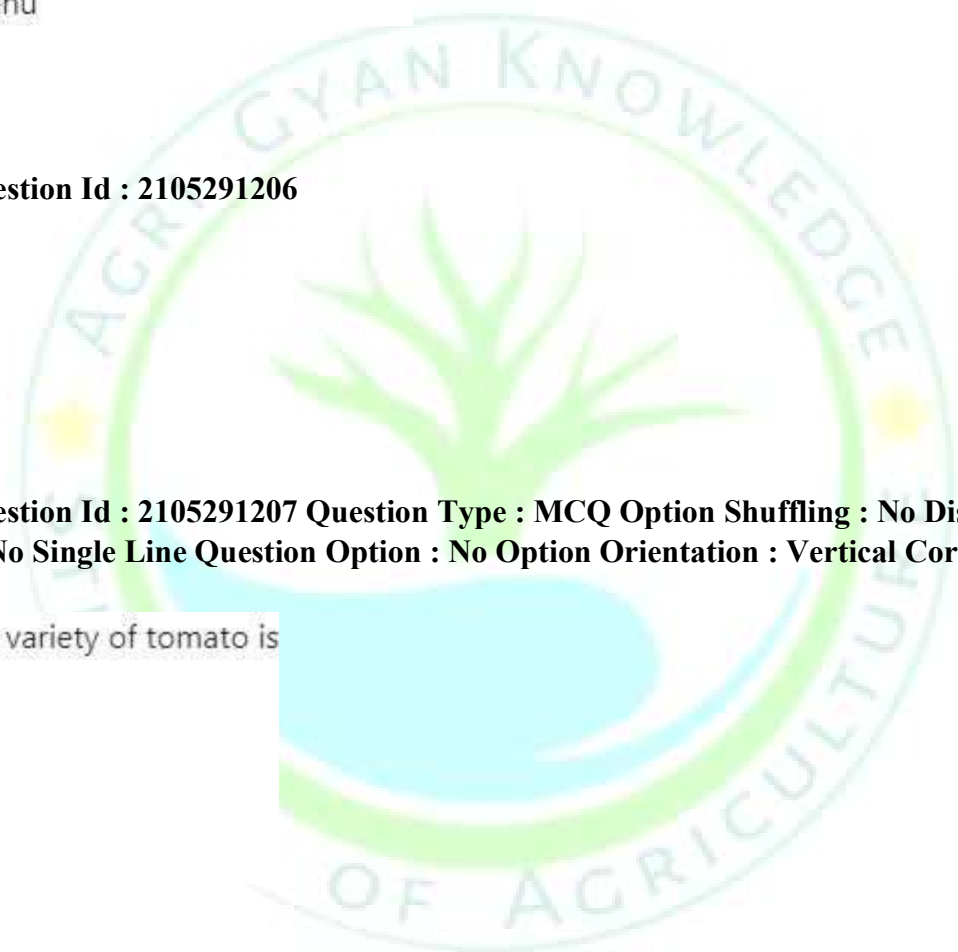
**Options :**

2105294825. 1

2105294826. 2

2105294827. 3

2105294828. 4



Which one of the following is known as 'mood food'?

1. Watermelon
2. Muskmelon
3. Red Cherry
4. Datepalm

**Question Number : 68 Question Id : 2105291208 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**

**Options :**

2105294829. 1  
2105294830. 2  
2105294831. 3  
2105294832. 4

**Question Number : 69 Question Id : 2105291209 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 progenitor of cultivated cucumber is

1. *Cucumis humifractus*
2. *Cucumis hytivus*
3. *Cucumis metuliferus*
4. *Cucumis sativus var. hardwickii*

**Options :**

2105294833. 1  
2105294834. 2

**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**



2105294835. 3

2105294836. 4

**Question Number : 70 Question Id : 2105291210**

Cole crops are considered to have evolved from which of the following common ancestor?

1. *Brassica oleracea var.capitata*
2. *Brassica oleracea var.sylvestris*
3. *Brassica oleracea var.italica*
4. *Brassica oleracea var.acephala*

**Options :**

2105294837. 1

2105294838. 2

2105294839. 3

2105294840. 4

**Question Number : 71 Question Id : 2105291211 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**

Gradual loss of variability from germplasm of a crop is known as

1. Pleiotropy
2. Mutation
3. Inbreeding depression
4. Genetic erosion

**Options :**

2105294841. 1

2105294842. 2

The ancestor of cultivated sweet potato is

1. *Ipomea triloba*
2. *Ipomea batatas*
3. *Ipomea aquatica*
4. *Ipomea trifida*

2105294843. 3

2105294844. 4

**Question Number : 72 Question Id : 2105291212 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**

**Options :**

2105294845. 1

2105294846. 2

2105294847. 3

2105294848. 4

**Question Number : 73 Question Id : 2105291213 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 common sex form of tapioca is

1. Monoecious
2. Dioecious
3. Bisexual
4. Gynoecious

**Options :**

**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**

2105294849. 1

2105294850. 2

2105294851. 3

2105294852. 4

**Question Number : 74 Question Id : 2105291214**



Grafting in vegetable crops is useful for managing

1. *Fusarium* wilt
2. Bud necrosis virus
3. Mites
4. Downey mildew

**Options :**

- 2105294853. 1
- 2105294854. 2
- 2105294855. 3
- 2105294856. 4

**Question Number : 75 Question Id : 2105291215 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 chemicals is used for doubling of chromosomes?

1. MH
2. CCC
3. NAA
4. Colchicine

**Options :**

- 2105294857. 1
- 2105294858. 2
- 2105294859. 3

**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**

Solasodine is present in

1. Tomato
2. Brinjal
3. Garlic
4. Onion

2105294860. 4

**Question Number : 76 Question Id : 2105291216**

**Options :**

2105294861. 1
2105294862. 2
2105294863. 3
2105294864. 4

**Question Number : 77 Question Id : 2105291217 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**

MDU-1 is a variety of chilli developed through

1. Pure line Selection
2. Mutation breeding
3. Mass Selection
4. Pedigree method

**Options :**

**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 "Pd<sub>1</sub>" gene from *Allium roylei* conferring resistance to downy mildew is located on

1. Chromosome 3
2. Chromosome 5
3. Chromosome 6
4. Chromosome 8

2105294865. 1

2105294866. 2

2105294867. 3

2105294868. 4

**Question Number : 78 Question Id : 2105291218**

**Options :**

2105294869. 1

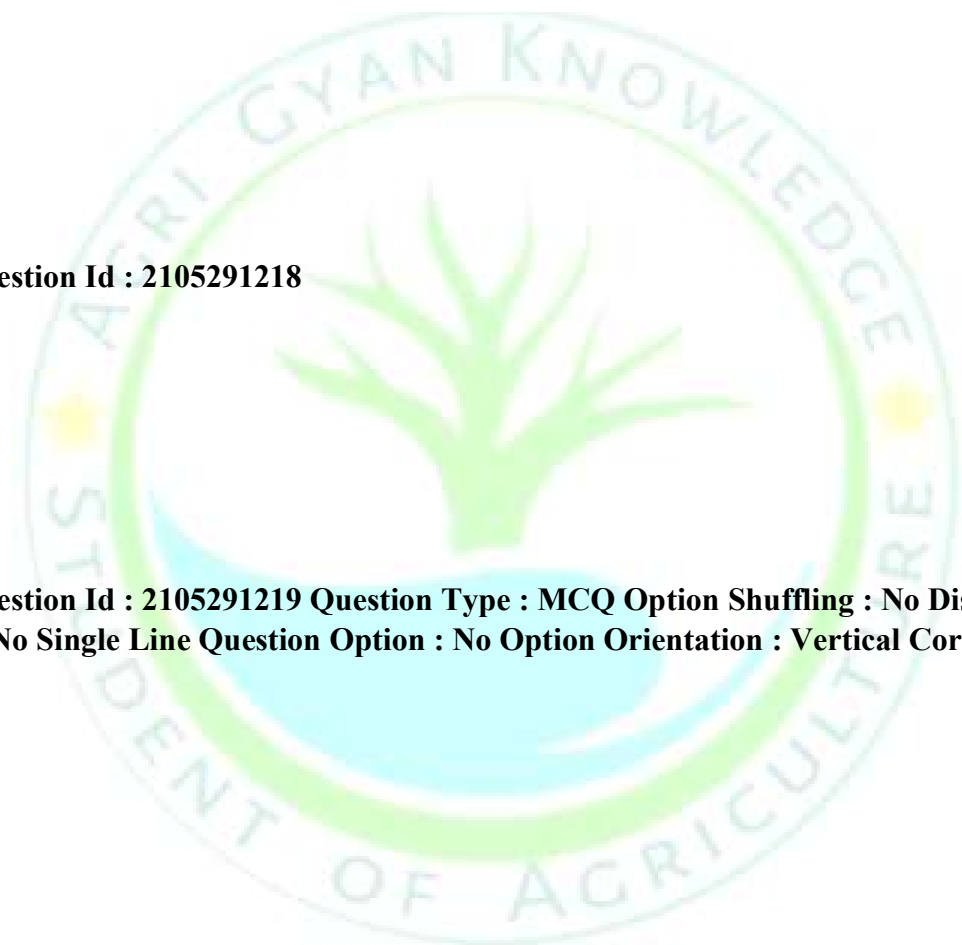
2105294870. 2

2105294871. 3

2105294872. 4

**Question Number : 79 Question Id : 2105291219 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**

**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**



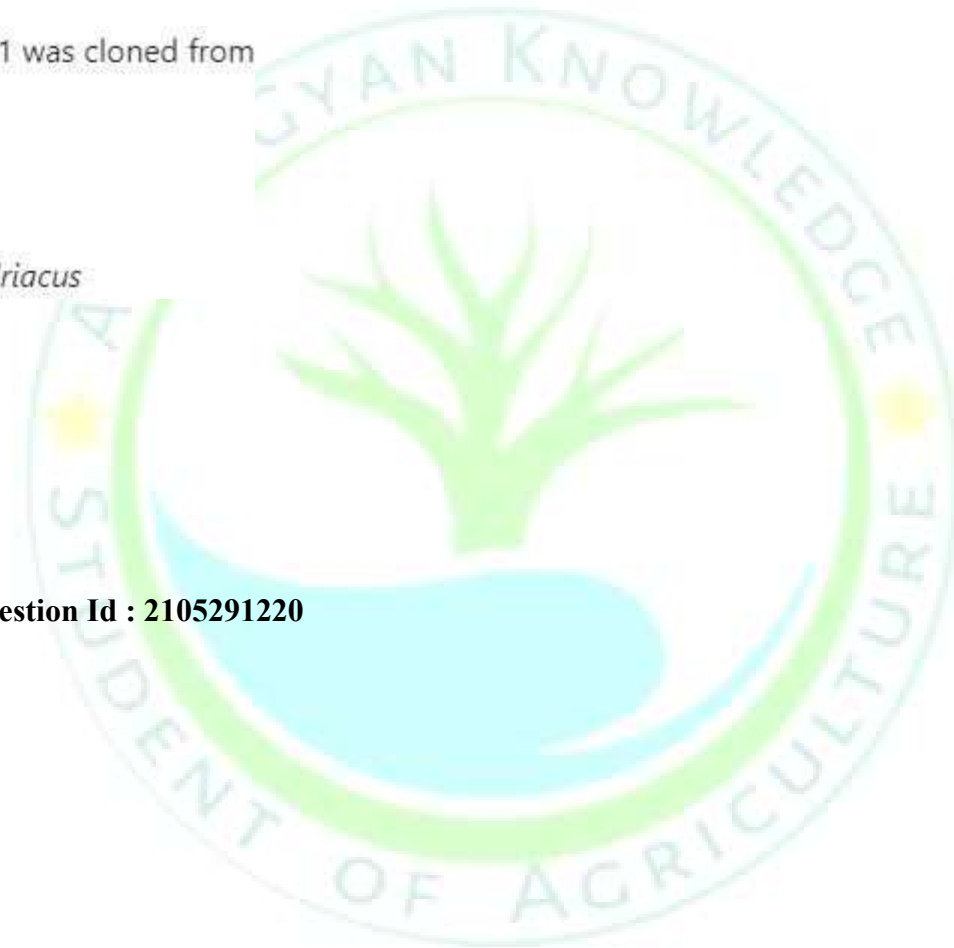
Seed albumin gene AmA1 was cloned from

1. *Amaranthus tricolor*
2. *Amaranthus tristis*
3. *Amaranthus dubius*
4. *Amaranthus hypocondriacus*

**Options :**

2105294873. 1  
2105294874. 2  
2105294875. 3  
2105294876. 4

**Question Number : 80 Question Id : 2105291220**



**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 wild relatives of tomato is the most important donor for drought resistance?

1. *Solanum pimpinellifolium*
2. *Solanum cheesmanii*
3. *Solanum pennellii*
4. *Solanum chmielewskii*

**Options :**

2105294877. 1  
2105294878. 2  
2105294879. 3  
2105294880. 4

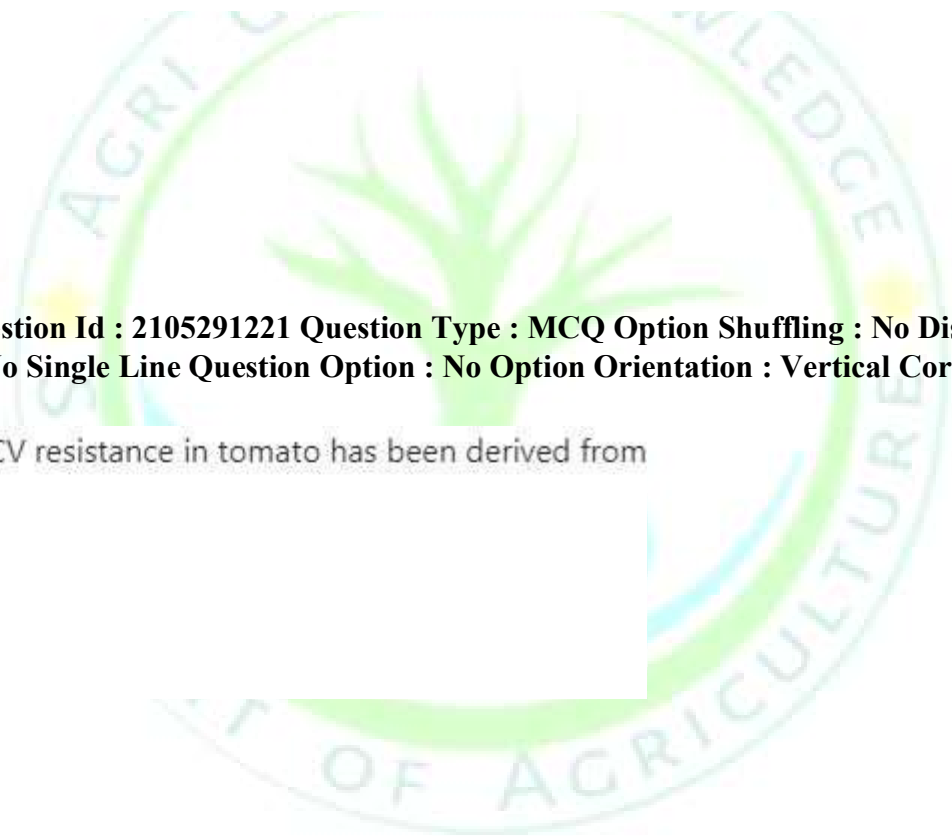
**Question Number : 81 Question Id : 2105291221 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Ty-1 gene conferring TYLCV resistance in tomato has been derived from

1. *Solanum habrochites*
2. *Solanum chmielewskii*
3. *Solanum chilense*
4. *Solanum peruvianum*

**Options :**

2105294881. 1  
2105294882. 2  
2105294883. 3  
2105294884. 4





Fenugreek seeds contain

1. Solanine
2. Rotenone
3. Solasodine
4. Diosgenin

**Question Number : 82 Question Id : 2105291222 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**

**Options :**

2105294885. 1
2105294886. 2
2105294887. 3
2105294888. 4

**Question Number : 83 Question Id : 2105291223 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 high-yielding variety of black pepper?

1. Sreekara
2. Suprabha
3. Suroma
4. Suranjana

**Options :**

2105294889. 1
2105294890. 2
2105294891. 3

**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**

Seed crops of coriander should be harvested when

1. 10% turn yellow
2. 30% turn yellow
3. 50% turn yellow
4. 70% turn yellow

2105294892. 4

**Question Number : 84 Question Id : 2105291224**

**Options :**

2105294893. 1  
2105294894. 2  
2105294895. 3  
2105294896. 4

**Question Number : 85 Question Id : 2105291225 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**

Andromonoecy sex form is found in which spice crop?

1. Coriander
2. Black pepper
3. All spice
4. Nutmeg

**Options :**

2105294897. 1  
2105294898. 2  
2105294899. 3

**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**

Sauerkraut is prepared from

1. Cucumber
  2. Cabbage
  3. Tomato
  4. Carrot
2105294900. 4

**Question Number : 86 Question Id : 2105291226**

**Options :**

2105294901. 1
2105294902. 2
2105294903. 3
2105294904. 4

**Question Number : 87 Question Id : 2105291227 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**

Maintenance of gynoeocious muskmelon line can be done by the application of

1. MCEB
2. NAA
3. GA3
4. PCPA

**Options :**

2105294905. 1
2105294906. 2
2105294907. 3

**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**

2105294908.4

**Question Number : 88 Question Id : 2105291228**



**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 local Indian traditional drink "Kanji" is

1. A fermented spiced beverage made from the juice of black carrots
2. A non-fermented spiced beverage made from the juice of black carrots
3. Fermented juice of beetroot
4. Fermented juice of orange carrot

**Options :**

2105294909. 1  
2105294910. 2  
2105294911. 3  
2105294912. 4

**Question Number : 89 Question Id : 2105291229 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. Monoecious	I. Ridge gourd (Satputia)
B. Dioecious	II. Cucumber
C. Gynoecious	III. Pumpkin
D. Hermaphrodite	IV. Pointed gourd

Choose the correct answer from the options given below:

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

**Options :**

- 2105294913. 1
- 2105294914. 2
- 2105294915. 3
- 2105294916. 4

**Question Number : 90 Question Id : 2105291230 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. Diamond back moth	I. <i>Plasmodiophora brassicae</i>
B. Club root	II. <i>Plutella xylostella</i>
C. Aphids	III. <i>Peronospora parastica</i>
D. Downy mildew	IV. <i>Myzus persicae</i>

Choose the correct answer from the options given below:

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

**Options :**

- 2105294917. 1
- 2105294918. 2
- 2105294919. 3
- 2105294920. 4

**Question Number : 91 Question Id : 2105291231 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. Lycopene	I. Beetroot
B. Beta cyanin	II. Carrot
C. Beta carotene	III. Chilli
D. Capsanthin	IV. Watermelon

Choose the correct answer from the options given below:

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

**Options :**

- 2105294921. 1
- 2105294922. 2
- 2105294923. 3
- 2105294924. 4

**Question Number : 92 Question Id : 2105291232 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**

**Statement I:** Phyllody and Witches Broom disease of Cucurbits is caused by Phytoplasma.

**Statement II:** This phytoplasma is transmitted by leaf hopper

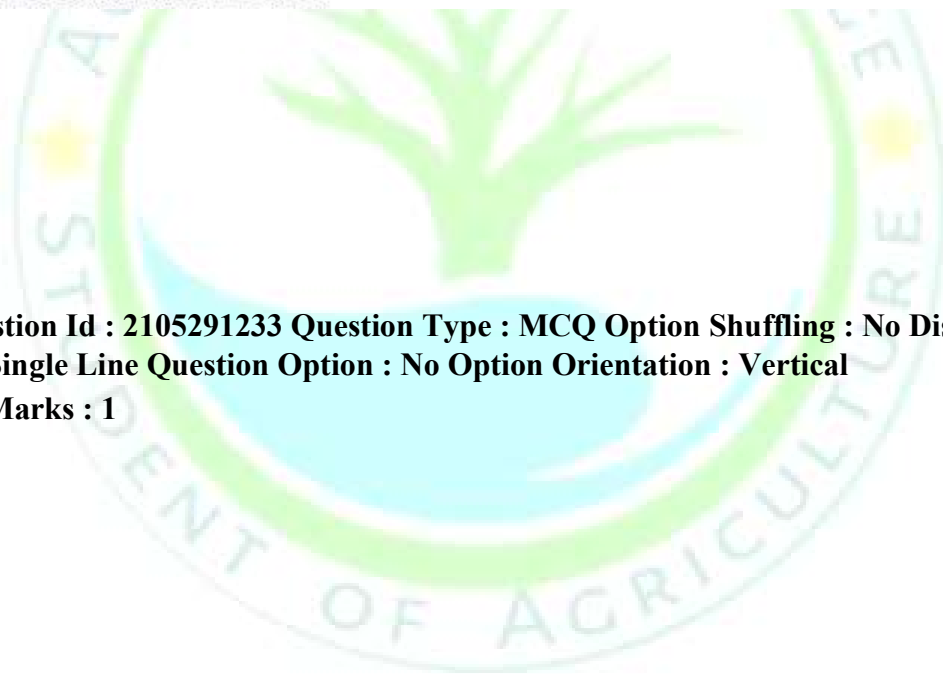
In the light of the above statements, choose the **most appropriate** answer from the options given below

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

**Options :**

- 2105294925. 1
- 2105294926. 2
- 2105294927. 3
- 2105294928. 4

**Question Number : 93 Question Id : 2105291233 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:** Leaf curl of tomato caused by ToLCNDV is a serious disease of North India

**Statement II:** ToLCNDV is a monopartite virus

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

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

**Options :**

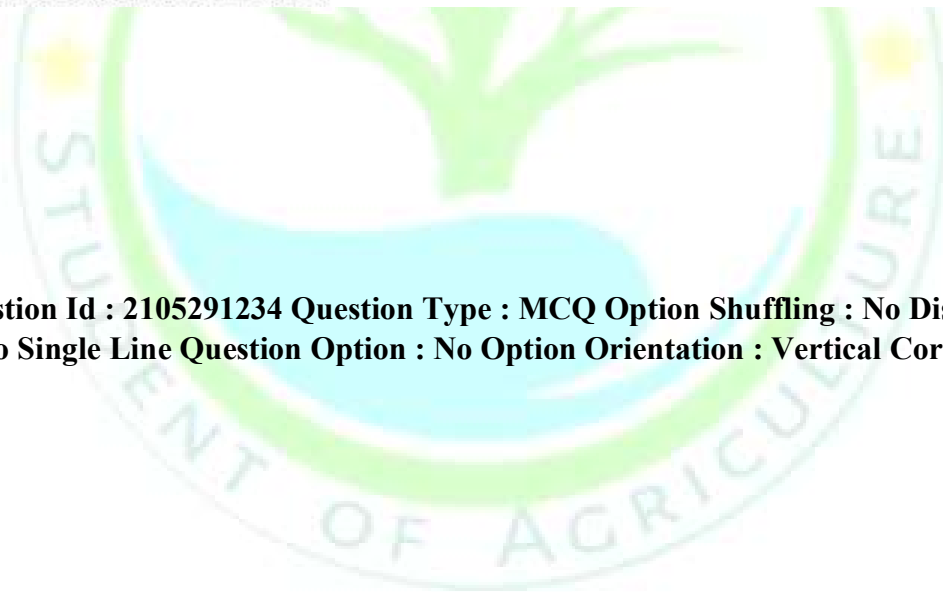
2105294929. 1

2105294930. 2

2105294931. 3

2105294932. 4

**Question Number : 94 Question Id : 2105291234 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:** Gynoecious line of bitter melon has been developed in India

**Statement II:** Hybrids developed by use of gynoecious line will have predominantly gynoecious sex form

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

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

**Options :**

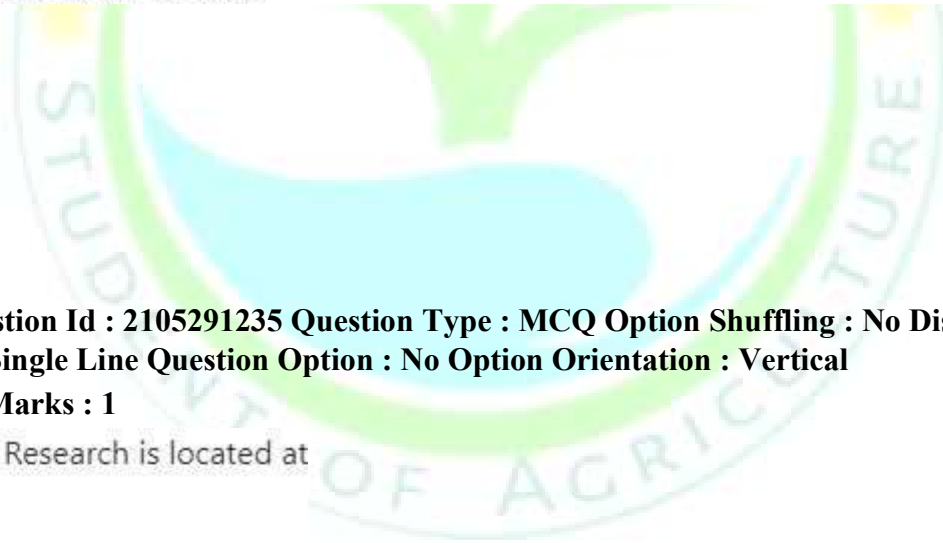
2105294933. 1
2105294934. 2
2105294935. 3
2105294936. 4

**Question Number : 95 Question Id : 2105291235 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**

Directorate of Floricultural Research is located at

1. Pune
2. New Delhi
3. Lucknow
4. Bengaluru



**Options :**

- 2105294937. 1
- 2105294938. 2
- 2105294939. 3
- 2105294940. 4

**Question Number : 96 Question Id : 2105291236 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**

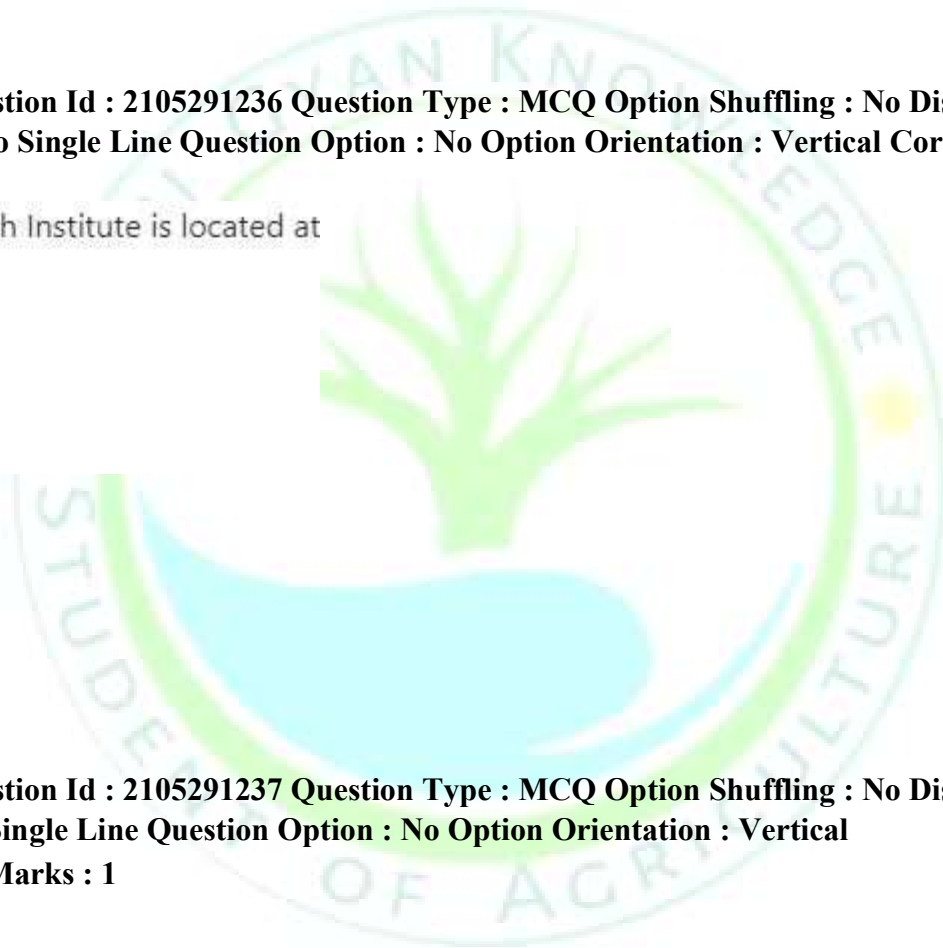
National Botanical Research Institute is located at

- 1. New Delhi
- 2. Lucknow
- 3. Vadodara
- 4. Chennai

**Options :**

- 2105294941. 1
- 2105294942. 2
- 2105294943. 3
- 2105294944. 4

**Question Number : 97 Question Id : 2105291237 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**



Rashtrapati Bhavan Garden was designed by

1. Robert Brown
2. Edwin Lutyens
3. Robinson
4. G.S. Randhawa

**Options :**

2105294945. 1  
2105294946. 2  
2105294947. 3  
2105294948. 4

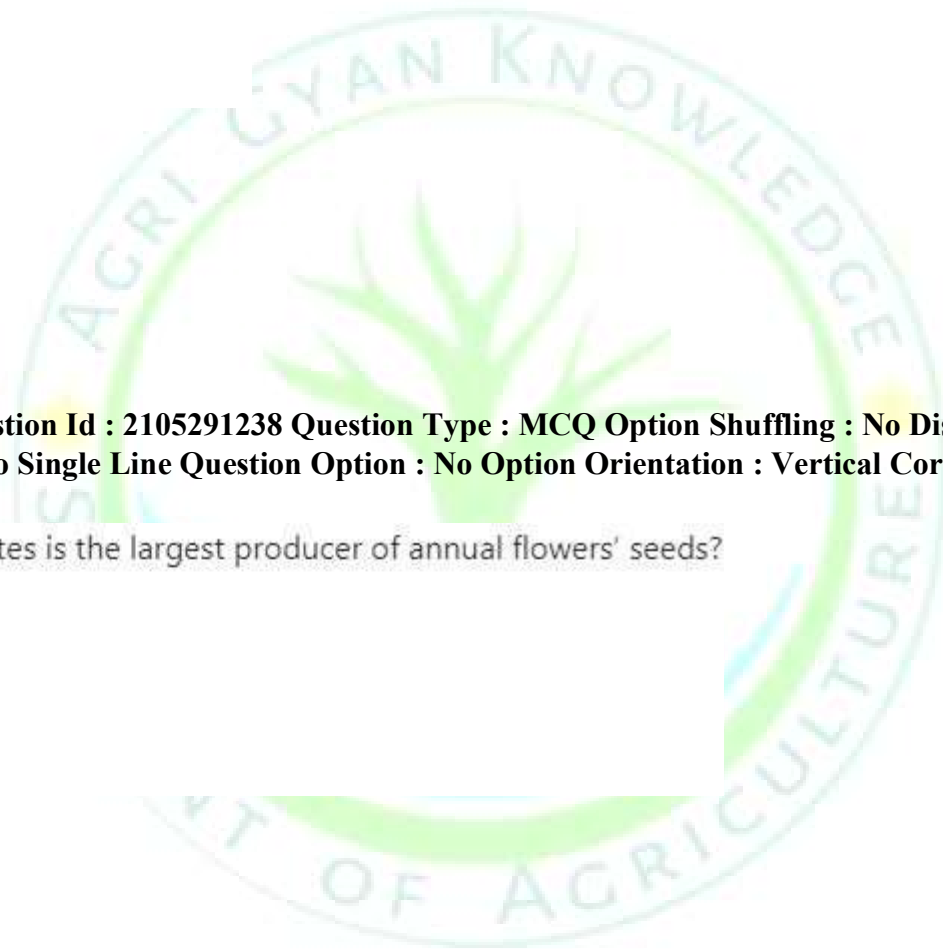
**Question Number : 98 Question Id : 2105291238 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which of the following states is the largest producer of annual flowers' seeds?

1. Punjab
2. Karnataka
3. Tamil Nadu
4. Kerala

**Options :**

2105294949. 1  
2105294950. 2  
2105294951. 3  
2105294952. 4



**Question Number : 99 Question Id : 2105291239 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 specific technique being practiced in

1. Rose
2. Carnation
3. Tuberose
4. Gerbera

**Options :**

- 2105294953. 1
- 2105294954. 2
- 2105294955. 3
- 2105294956. 4

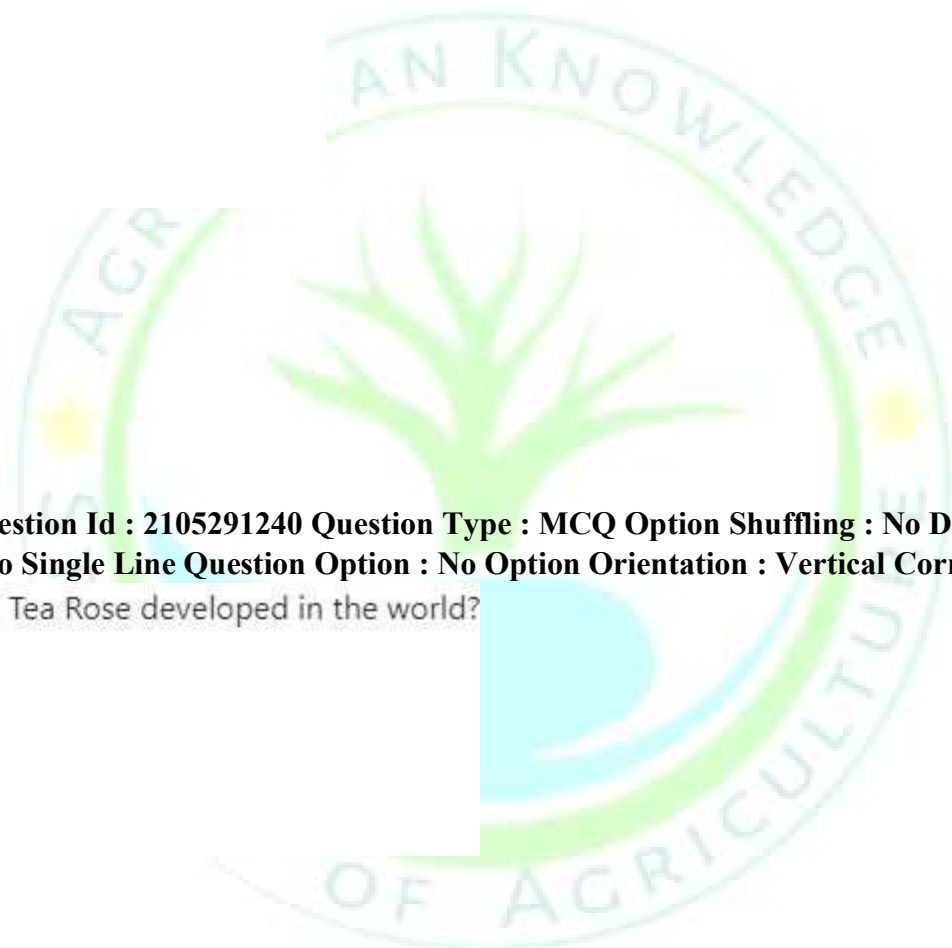
**Question Number : 100 Question Id : 2105291240 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which was the first Hybrid Tea Rose developed in the world?

1. La France
2. Pixie
3. Gold Star
4. Queen Elizabeth

**Options :**

- 2105294957. 1
- 2105294958. 2
- 2105294959. 3
- 2105294960. 4



**Question Number : 101 Question Id : 2105291241 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**

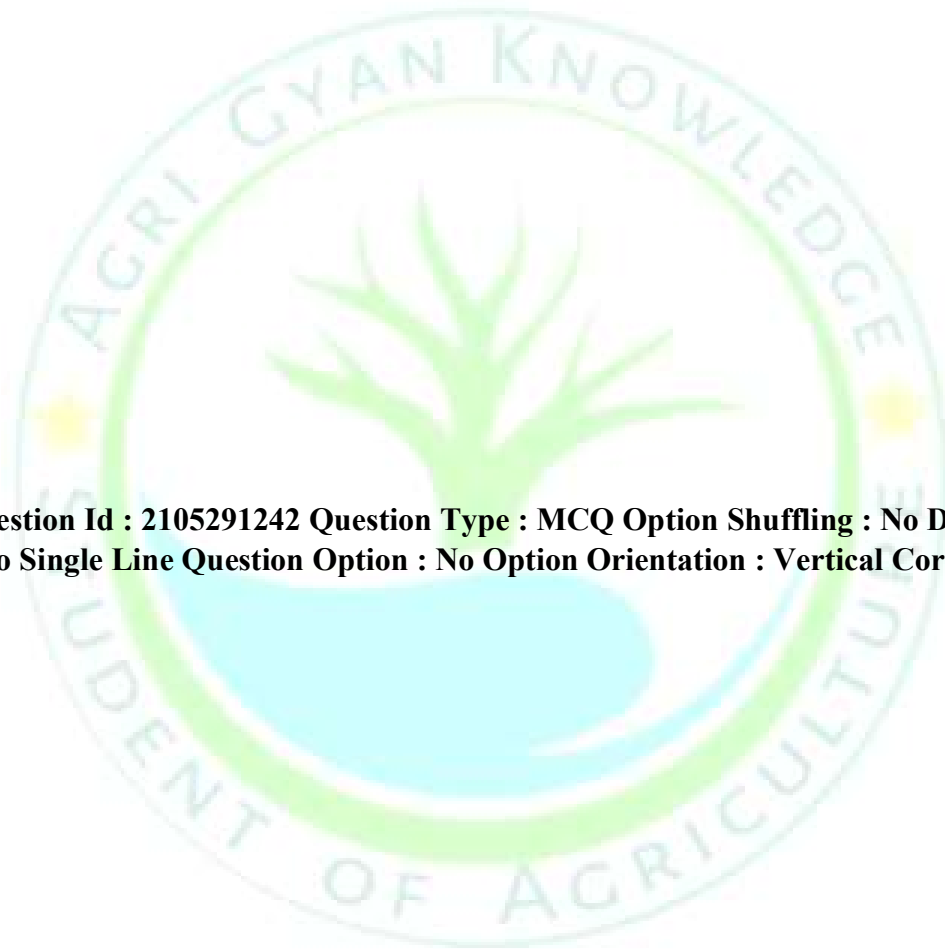
Rani Sahiba is a variety of

1. Rose
2. Chrysanthemum
3. Orchid
4. Carnation

**Options :**

2105294961. 1  
2105294962. 2  
2105294963. 3  
2105294964. 4

**Question Number : 102 Question Id : 2105291242 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. Cut Spray type	I. Snow Ball
B. Cut standard type	II. Ravi Kiran
C. Garland purpose type	III. Birbal Sahani
D. Pot mums type	IV. Pusa Sona

Choose the correct answer from the options given below

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

**Options :**

2105294965. 1
2105294966. 2
2105294967. 3
2105294968. 4

**Question Number : 103 Question Id : 2105291243 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**

Tulip bulbs must be stored/exposed to the following environmental condition for quality flower initiation

1. 10-12 °C for 4-6 weeks
2. 7-9 °C for 6-8 weeks
3. 12-14 °C for 5-6 weeks
4. 9-11 °C for 4-6 weeks

**Options :**

- 2105294969. 1
- 2105294970. 2
- 2105294971. 3
- 2105294972. 4

**Question Number : 104 Question Id : 2105291244 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**

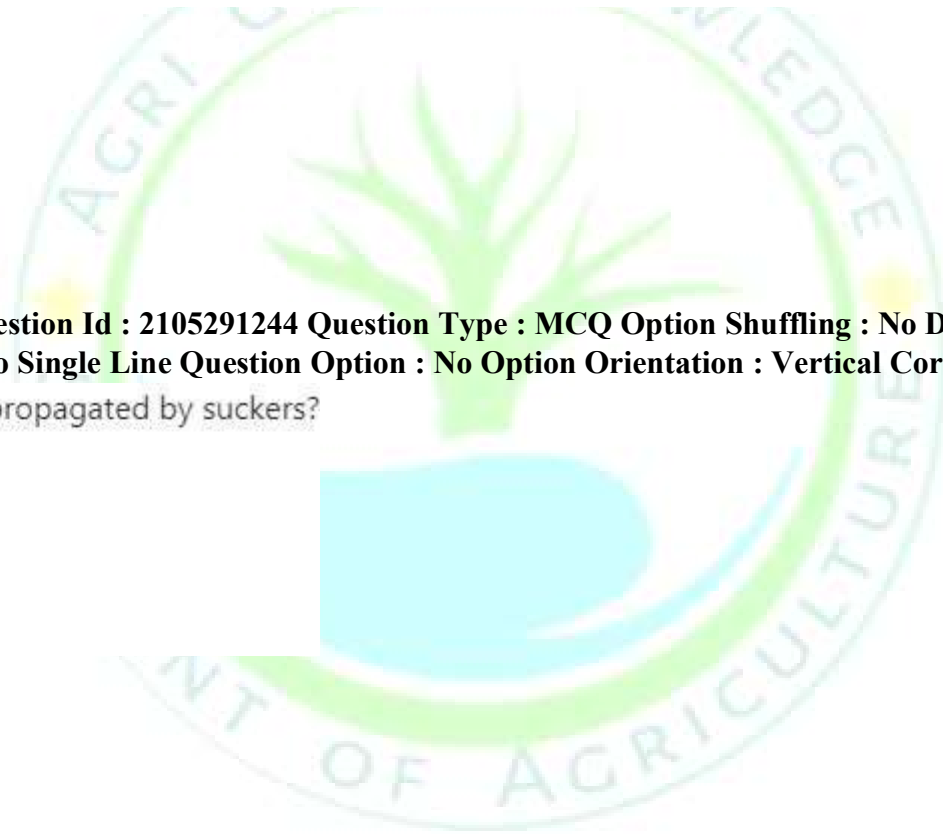
Which of the following is propagated by suckers?

1. Tuberose
2. Gladiolus
3. Gaillardia
4. Chrysanthemum

**Options :**

- 2105294973. 1
- 2105294974. 2
- 2105294975. 3
- 2105294976. 4

**Question Number : 105 Question Id : 2105291245 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 temperate orchid?

1. *Cymbidium*
2. *Oncidium*
3. *Vanda*
4. *Aerids*

**Options :**

2105294977. 1  
2105294978. 2  
2105294979. 3  
2105294980. 4

**Question Number : 106 Question Id : 2105291246 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**

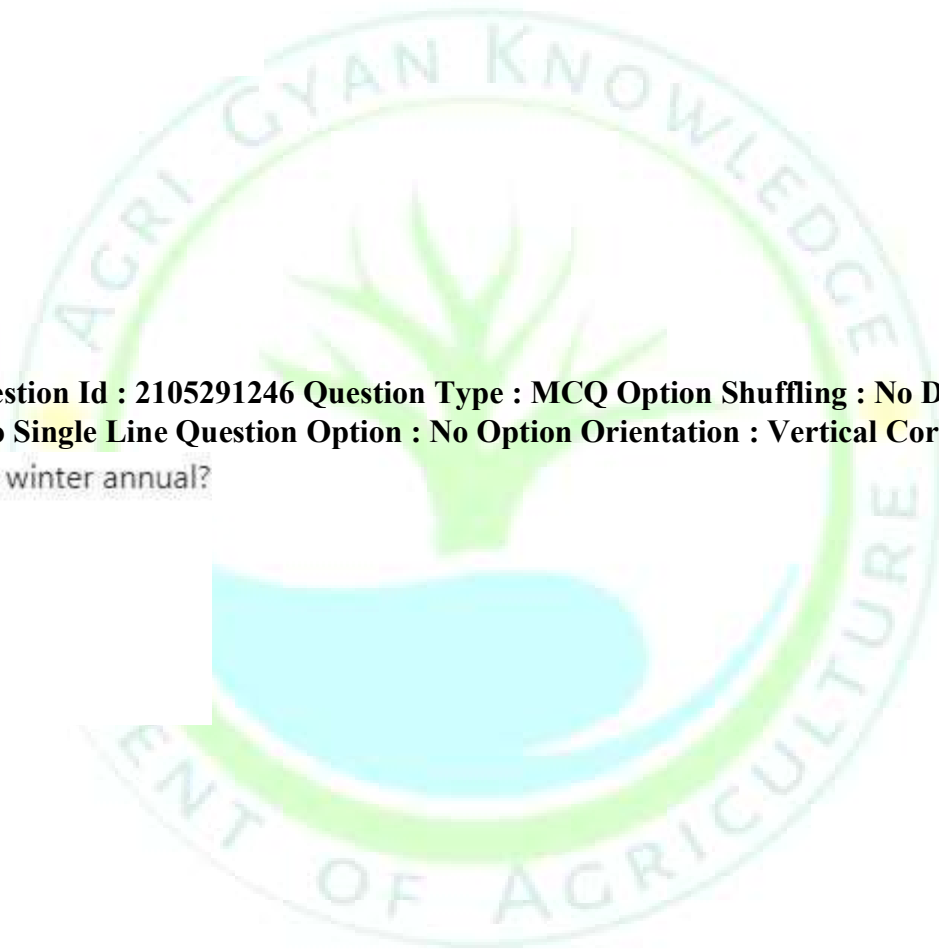
Which of the following is a winter annual?

1. Balsam
2. Zinnia
3. Snapdragon
4. Kochia

**Options :**

2105294981. 1  
2105294982. 2  
2105294983. 3  
2105294984. 4

**Question Number : 107 Question Id : 2105291247 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**



Flame of the Forest is botanically known as

1. *Callistemon lanceolatus*
2. *Cassia fistula*
3. *Butea monosperma*
4. *Cassia javanica*

**Options :**

- 2105294985. 1
- 2105294986. 2
- 2105294987. 3
- 2105294988. 4

**Question Number : 108 Question Id : 2105291248 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 hedges is most suitable for landscaping in the arid region?

1. *Lawsonia inermis*
2. *Mussaendra frondosa*
3. *Eranthemum bicolor*
4. *Galphimia gracilis*

**Options :**

- 2105294989. 1
- 2105294990. 2
- 2105294991. 3
- 2105294992. 4

**Question Number : 109 Question Id : 2105291249 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**

Hollyhock and sweet pea are suitable annuals for

1. Hanging basket
2. Screening purpose
3. Oil extraction
4. Rockery

**Options :**

- 2105294993. 1
- 2105294994. 2
- 2105294995. 3
- 2105294996. 4

**Question Number : 110 Question Id : 2105291250 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 foliage annual?

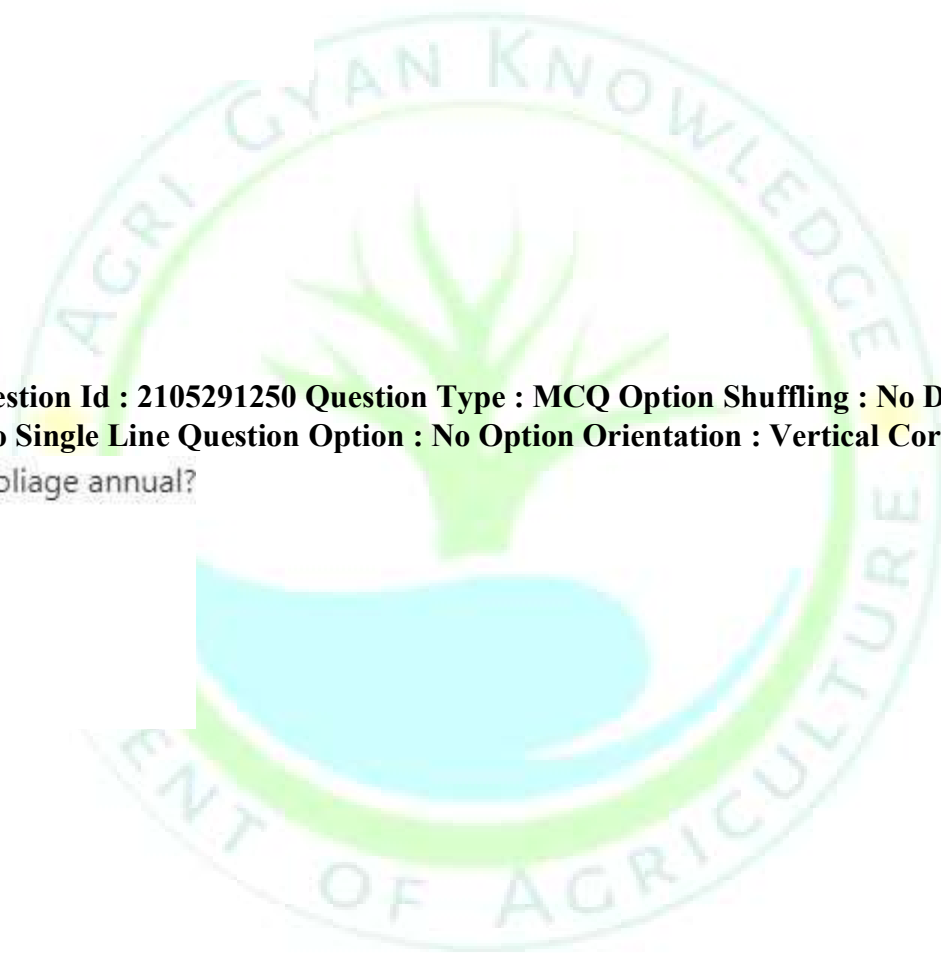
1. Kochia
2. Ice plant
3. Marigold
4. Zinia

**Options :**

- 2105294997. 1
- 2105294998. 2
- 2105294999. 3
- 2105295000. 4

**Question Number : 111 Question Id : 2105291251 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**



Woody or semi woody perennial plants with little or no trunk are known as

1. Herb
2. Shrub
3. Tree
4. Annual

**Options :**

2105295001. 1  
2105295002. 2  
2105295003. 3  
2105295004. 4

**Question Number : 112 Question Id : 2105291252 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**

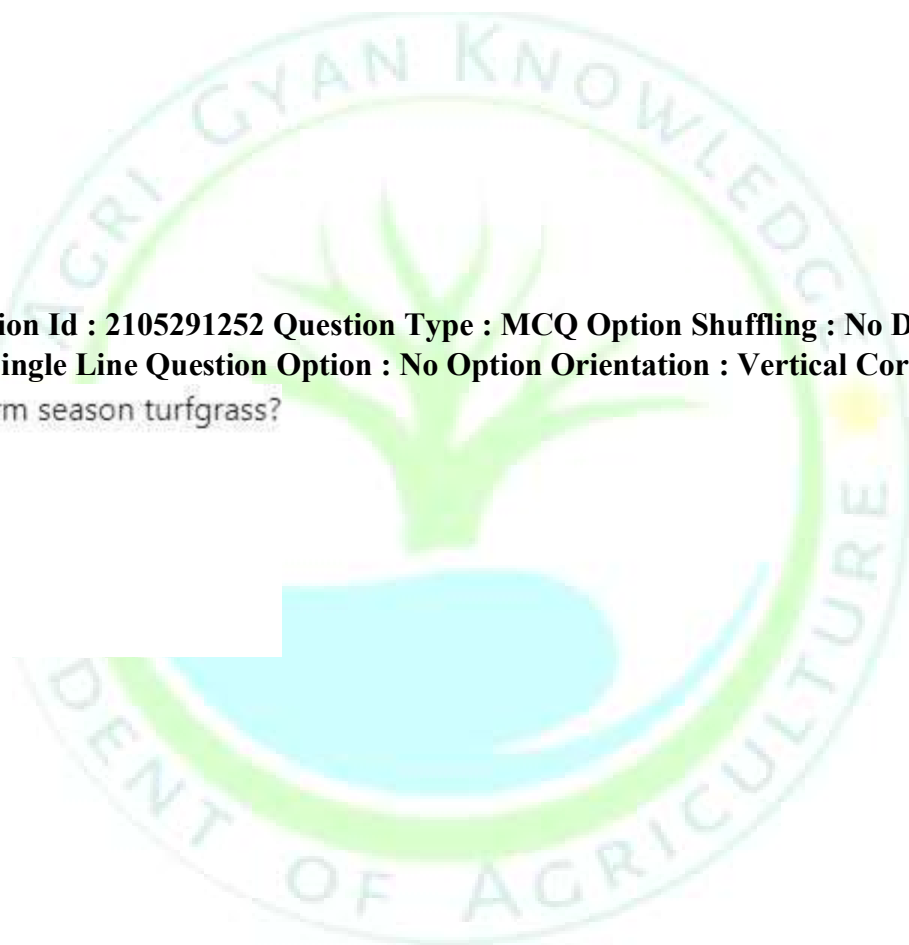
Which of the following is warm season turfgrass?

1. Zoysia
2. Rye
3. Kentucky blue
4. Creeping bent

**Options :**

2105295005. 1  
2105295006. 2  
2105295007. 3  
2105295008. 4

**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 most commonly used rooting hormone?

1. BAP
2. IBA
3. ABA
4. GA<sub>3</sub>

**Question Number : 113 Question Id : 2105291253**

**Options :**

2105295009. 1
2105295010. 2
2105295011. 3
2105295012. 4

**Question Number : 114 Question Id : 2105291254 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**

Removal of field heat of flowers by keeping them at lower temperature is known as

1. Stratification
2. Hardening
3. Pulsing
4. Pre-cooling

**Options :**

2105295013. 1
2105295014. 2
2105295015. 3

**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**

'Gulkand' is prepared by mixing sugar and rose petals in the ratio

1. 3:1
2. 1:1
3. 1:4
4. 1:3

2105295016. 4

**Question Number : 115 Question Id : 2105291255**

**Options :**

2105295017. 1
2105295018. 2
2105295019. 3
2105295020. 4

**Question Number : 116 Question Id : 2105291256 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 crop is most prone to red spider mite?

1. Carnation
2. Tuberose
3. Gladiolus
4. Calendula

**Options :**

2105295021. 1

**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**

2105295022. 2

2105295023. 3

2105295024. 4

**Question Number : 117 Question Id : 2105291257**



**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:** Tuberose is susceptible to root-knot nematode

**Statement II:** Root-knot nematode in tuberose can be minimized or controlled by crop rotation with marigold

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

**Options :**

- 2105295025. 1
- 2105295026. 2
- 2105295027. 3
- 2105295028. 4





**Question Number : 118 Question Id : 2105291258 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. Chrysanthemum	I. Birbal Sahani
B. Carnation	II. Top Secret
C. Rose	III. Arka Agni
D. Marigold	IV. Dona

Choose the correct answer from the options given below:

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

**Options :**

2105295029. 1  
2105295030. 2  
2105295031. 3

2105295032. 4

**Question Number : 119 Question Id : 2105291259 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. Gladiolus	I. Caryophyllaceae
B. Marigold	II. Asparagaceae
C. Tuberose	III. Iridaceae
D. Carnation	IV. Asteraceae

Choose the correct answer from the options given below:

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

**Options :**

2105295033. 1

Which of the following are informal style gardens?

- A. English
- B. Persian
- C. Mughal
- D. Japanese

Choose the correct answer from the options given below:

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

2105295034. 2

2105295035. 3

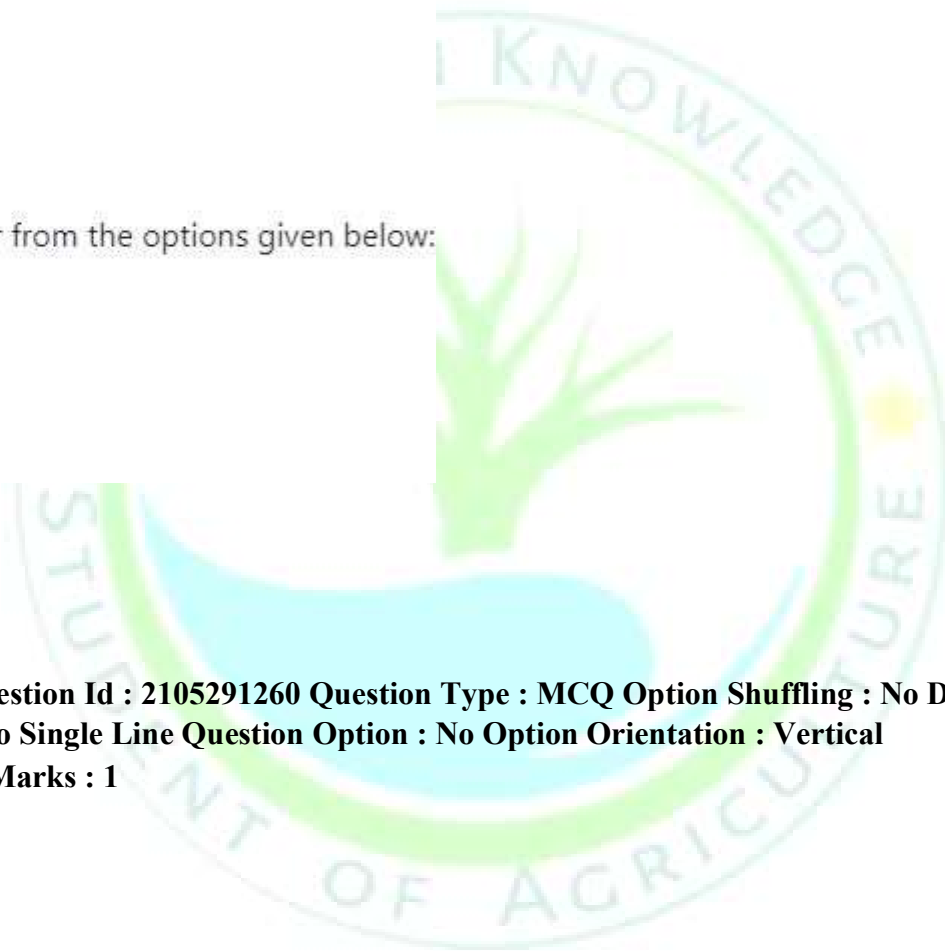
2105295036. 4

**Question Number : 120 Question Id : 2105291260 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**

**Options :**

2105295037. 1

2105295038. 2



2105295039. 3  
2105295040. 4

