

Roll No

Application No

Candidate Name

Module Name

HORTICULTURE

Exam Date

03-Jul-2025

Exam Batch

10:00-12:00

1) HORTICULTURE

Question No. 1 / Question ID 28018

Marks: 4.00

Given below are two statements.

Statement 1 ; Soil pH more than 8 is not suitable for commercial cashew production

Statement II; Cashew is a cross-pollinated crop

1. Both Statement (I) and Statement (II) are true.
2. Both Statement (I) and Statement (II) are false.
3. Statement (I) is true but Statement (II) is false.
4. Statement (I) is false but Statement (II) is true.

- ☐ 1
- ☐ 2
- ☐ 3
- ☒ 4 (Chosen Option)

Question No. 2 / Question ID 28098

Marks: 4.00

Which of the following method is used to propagate the jasmine and hydrangea plants?

1. Root cuttings
2. Semi hard wood cuttings
3. Leaf cuttings
4. Node cuttings

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 3 / Question ID 28028

Marks: 4.00

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

List-I	List-II
Guava variety	Parents
(A). Allahabad Surkha	(I). Seedling Slection
(B). Hisar Surkha	(II). Apple Colour x Banarssi Surkha
(C). Arka Amulya	(III). Allhabad Safeda x Triploid
(D). Hisar Safeda	(IV). Allahabad Safeda x Seedless

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

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

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 4 / Question ID 28023

Marks: 4.00

Given below are two statements, one is laelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : The carbohydrates have dual role in cutting

Reason (R) : Until there is root initiation, carbohydrates enable a cutting to survive and in course of rooting carbohydrates are essential

In light of the above statements, choose the *correct* answer from the options given below.

- 1. Both (A) and (R) are true and (R) is the correct explanation of (A).
- 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
- 3. (A) is true but (R) is false.
- 4. (A) is false but (R) is true.

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 5 / Question ID 28087

Marks: 4.00

Given below are two statements:

Statement (I): Tuberisation and early bulking are most crucial for nutrient absorption in potato

Statement (II): Phosphorus by itself has a role to play in providing resistance against late blight in Potato

In 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.

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 6 / Question ID 28047

Marks: 4.00

‘Hale’s early’ peach grafted onto ‘Myrobalan B’ plum rootstock is an example of

- 1. Localised compatibility
- 2. Translocatable incompatibility
- 3. Genetic incompatibility
- 4. Induced compatibility

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 7 / Question ID 28043

Marks: 4.00

The origin of wound induced De-Novo adventitious roots in genera *vitis* is?

- 1. Phloem
- 2. Cambium
- 3. Medullary rays
- 4. callus

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 8 / Question ID 28072

Marks: 4.00

Non-climacteric vegetables ripen best

- 1. After harvest with exposure to ethylene
- 2. While still attached to the plant
- 3. Under dark conditions
- 4. After dehydration

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 9 / Question ID 28046

Marks: 4.00

Which is a popular coconut variety of Assam?

- 1. Chandra Laksha
- 2. Laksha Ganga
- 3. Kamrupa
- 4. East Coast tall

- ☐ 1
- ☐ 2
- ☐ 3
- ☒ 4 (Chosen Option)

Question No. 10 / Question ID 28040

Marks: 4.00

In papaya pericarp of fruit composed of laticifers develops close to

- 1. Ovary walls
- 2. Placenta
- 3. Vascular bundles
- 4. Chloroplast

- ☐ 1
- ☐ 2
- ☐ 3
- ☒ 4 (Chosen Option)

Question No. 11 / Question ID 28037

Marks: 4.00

Given below are two statements:

Statement (I): Pineapple plants flower 10 -12 months after planting

Statement (II): The fruits of variety Mauritius mature 11- 12 months after planting

In 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 true but Statement (II) is false.
- 4. Statement (I) is false but Statement (II) is true.

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 12 / Question ID 28012

Marks: 4.00

Chlorophyll pigments a and b are present in

- 1. Grana
- 2. Stroma
- 3. Chloroplast
- 4. Thylakoid membrane

- ☐ 1
- ☐ 2
- ☒ 3 (Chosen Option)
- ☐ 4

Question No. 13 / Question ID 28117

Marks: 4.00

Make the correct sequence of steps involved in the micro-propagation of Rose genotypes?

- (A). Proliferation of shoots from axillary bud explants.
- (B). Elongation of plantlets.
- (C). Inoculation of axillary bud explants under laminar air flow cabinet.
- (D). Rhizogenesis of plantlets.
- (E). Primary and secondary hardening of plantlets.
- (F). Preparation and pre-treatment of axillary bud explants.

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

- 1. (A), (B), (D), (E), (C), (F).
- 2. (F), (D), (B), (E), (C), (A).
- 3. (F), (C), (A), (B), (D), (E).
- 4. (D), (E), (A), (C), (B), (F).

- ☐ 1
- ☐ 2
- ☒ 3 (Chosen Option)

Match List-I with List-II

List-I	List-II
Climbers	Scientific name
(A). Coral vine	(I). <i>Ficus repens</i>
(B). Trumpet climber	(II). <i>Petrea volubilis</i>
(C). Indian Ivy	(III). <i>Antigonon leptopus</i>
(D). Purple wreath	(IV). <i>Campsis grandiflora</i>

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

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

- ☐ 1
- ☐ 2
- ☐ 3
- ☒ 4 (Chosen Option)

The number of canes to be retained on each vine while pruning of grape variety, Bangalore Blue trained on Bower system and planted at a distance of 3m x 6 m

1. 16 - 20
2. 30 - 40
3. 60 - 80
4. 85- 95

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Based on fat percentage, arrange the following in descending order

- (A). Walnut
- (B). Almond
- (C). Cashewnut
- (D). Avocado

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

1. (A), (B), (C), (D).
2. (A), (C), (B), (D).
3. (B), (A), (D), (C).
4. (C), (B), (D), (A).

- ☐ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 17 / Question ID 28045

Marks: 4.00

Exclusion of light from a portion of stem for use as the cutting base is known as

1. Etiolation
2. Irradiance
3. Shading
4. Banding

- ☐ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 18 / Question ID 28099

Marks: 4.00

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

List-I	List-II
Flower Crops	Variety
(A). Carnation	(I). Sonar Bangla
(B). Chrysanthemum	(II). Lavender Lace
(C). Tuberose	(III). Pusa Arpita
(D). Marigold	(IV). Arka Nirantara

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

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

- ☐ 1
- ☐ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 19 / Question ID 28014

Marks: 4.00

Which of the following pulse crops falls under the category of inflated pod?

1. *Cajanus cajan*
2. *Vigna radiata*
3. *Vigna mungo*
4. *Cicer arietinum*

- ☐ 1
- ☐ 2
- ☐ 3 (Chosen Option)
- ☐ 4

Question No. 20 / Question ID 28080

Marks: 4.00

The breeding features in carrot as below

- (A). The male sterile lines can be maintained by crossing with any male fertile genotype
- (B). The male sterile lines have the genetic constitution *SMsMs* or *SMsms*
- (C). Carrot is an outbreeding species due to being self-incompatibility
- (D). Single cross hybrids are on an average less uniform than three way cross

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

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

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 21 / Question ID 28115Marks: 4.00

Which of the following mechanism promote cross pollination in flower crops?

- 1. Cleistogamy
- 2. Chasmogamy
- 3. Flowers open but stamens and stigma are hidden by other floral organs
- 4. Presence of self-incompatibility

- ☐ 1
- ☐ 2
- ☐ 3
- ☒ 4 (Chosen Option)

Question No. 22 / Question ID 28006Marks: 4.00

The differential growth response with greater response in the upper surface of an organ is known as

- 1. Epinasty
- 2. Hypernasty
- 3. Nastic
- 4. Tropism

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 23 / Question ID 28066Marks: 4.00

Which of the following variety/hybrid can produce the seeds in subtropical climate ?

- 1. Pusa Mukta
- 2. Pusa Cabbage 1
- 3. Pusa Ageti
- 4. Simradha Local

- ☐ 1
- ☐ 2
- ☒ 3 (Chosen Option)
- ☐ 4

Question No. 24 / Question ID 28061Marks: 4.00

The basic chromosome number of sweet potato is?

- 1. x = 90
- 2. x = 30
- 3. x = 15
- 4. x = 20

- ☐ 1
- ☐ 2
- ☒ 3 (Chosen Option)
- ☐ 4

Question No. 25 / Question ID 28032Marks: 4.00

Indicator plant for Exocortis viral disease in citrus?

- 1. Ranpur lime
- 2. Kagzi lime
- 3. West Indian lime
- 4. Sweet lime

- ☐ 1
- ☐ 2
- ☐ 3
- ☒ 4 (Chosen Option)

Question No. 26 / Question ID 28029Marks: 4.00

Number of banana plants per hectare under 1.5m x 1.5 m planted under a triangle system of planting?

- 1. 4440
- 2. 5120
- 3. 5550
- 4. 5650

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 27 / Question ID 28010Marks: 4.00

Which app has been developed by Department of Agriculture & Cooperation, Ministry of Agriculture and Farmers welfare?

- 1. Crop Doctor app
- 2. Kisan Suvidha app
- 3. Farm calculation app
- 4. Meghdoot weather app

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 28 / Question ID 28112Marks: 4.00

Shrubs planted at regular intervals to form a continuous screen is called as?

- 1. Edge
- 2. Arch
- 3. Hedge
- 4. Pergola

- ☐ 1
- ☐ 2
- ☒ 3 (Chosen Option)
- ☐ 4

Gold fleck is a major physiological disorder of

- 1. Tomato
- 2. Celery
- 3. Kale
- 4. Cauliflower

- ☐ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Auxins promote flowering in pineapple because

- 1. Pineapple is a quantitative short day plant
- 2. Auxin enhances ethylene production
- 3. Produces severe epinasties and other responses
- 4. Auxin increases the rate of GA destruction

- ☐ 1
- ☐ 2
- ☐ 3 (Chosen Option)
- ☐ 4

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

List-I	List-II
Common Name	Scientific Name
(A). Spine gourd	(I). <i>Momordica charantia</i>
(B). Teasle gourd	(II). <i>Momordica dioica</i>
(C). Giant Spine gourd	(III). <i>Momordica subangulata ssp renigera</i>
(D). Bitter gourd	(IV). <i>Momordica cochinchinensis</i>

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

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

- ☐ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Which of the following is the most common weed of lawn that is difficult to eradicate?

- 1. *Chenopodium album*
- 2. *Phalaris minor*
- 3. *Daucus carota*
- 4. *Cyperus rotundus*

- ☐ 1
- ☐ 2
- ☐ 3
- ☒ 4 (Chosen Option)

Question No. 33 / Question ID 28065Marks: 4.00

Which of the following is considered as the progenitor species of Loofah gourds ?

- 1. *Luffa acutangula*
- 2. *Luffa echinata*
- 3. *Luffa cylindrica*
- 4. *Luffa graveolens*

- ☐ 1
- ☐ 2
- ☐ 3
- ☒ 4 (Chosen Option)

Question No. 34 / Question ID 28068Marks: 4.00

Which of the following line in onion has the true genetic constitution Nmsms ?

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

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 35 / Question ID 28118Marks: 4.00

Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : Bermuda grass, a lawn grass is a fast-growing and commercially used for the development of lawns, golf courses and athletic fields in India.

Reason (R) : Bermuda grass has fast growth due to the presence of tillers and fibrous shallow root system.

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

- 1. Both (A) and (R) are correct and (R) is the correct explanation of (A).
- 2. Both (A) and (R) are correct but (R) is NOT the correct explanation of (A).
- 3. (A) is correct but (R) is not correct.
- 4. (A) is not correct but (R) is correct.

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 36 / Question ID 28021Marks: 4.00

Calculate the amount of water for scheduling irrigation in grapes at IW/CPE ratio of 1 with 6 cm of CPE?

- 1. 4 cm
- 2. 6 cm
- 3. 8 cm
- 4. 10 cm

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 37 / Question ID 28044

Marks: 4.00

Cultivar “Udayam” in banana is a clonal selection of?

- 1. Bomaby green
- 2. PidiMonthan
- 3. Karpooravally
- 4. High Gate

- ☐ 1
- ☐ 2
- ☒ 3 (Chosen Option)
- ☐ 4

Question No. 38 / Question ID 28097

Marks: 4.00

Which of the following rulers has established the **Sikander Bagh** in Lucknow, Uttar Pradesh?

- 1. Firoz Tughlaq
- 2. Babur
- 3. Nawab Wajid Ali Shah
- 4. Shah Jahan

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 39 / Question ID 28062

Marks: 4.00

Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A): Cucurbit does not suffer much from inbreeding depression

Reason (R) : Andro-monoecious and hermaphrodite sex forms favor a higher degree of natural self-pollination

In light of the above statements, choose the *correct* answer from the options given below.

- 1. Both (A) and (R) are true and (R) is the correct explanation of (A).
- 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
- 3. (A) is true but (R) is false.
- 4. (A) is false but (R) is true.

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 40 / Question ID 28034

Marks: 4.00

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

List-I	List-II
Peach variety	Flesh colour
(A). Sharbati	(I). Yellow
(B). Parbhat	(II). Greenish white
(C). Spring Time	(III). White
(D). Harrow Blood	(IV). Blood Flesh

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

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

- ☐ 1
- ☐ 2
- ☒ 3 (Chosen Option)
- ☐ 4

Question No. 41 / Question ID 28089

Marks: 4.00

Male and female plants of spinach are identified on the basis of

1. High leaf sugars, chlorophyll and carotenoids in female plants
2. High leaf sugars, chlorophyll and carotenoids in male plants
3. Red venal pigmentations in male plants
4. Downward cupping in female leaves

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 42 / Question ID 28054

Marks: 4.00

Given below are two statements:

Statement (I): The presence of calcium carbonate layer around the root zone of citrus favours plant growth

Statement (II): It enhances the availability of micronutrients.

In light of the above statements

In 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 true but Statement (II) is false.
4. Statement (I) is false but Statement (II) is true.

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Which one of the following is true for the grape cultivar Himrod?

- (A). Cross between Ontario x Sultanina
- (B). Yellow green berries
- (C). Vigrous vine and heavy yield
- (D). Good keeping and shipping quality

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

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

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

The peduncle size during the export of mango should not be more than

1. 0.5 cm
2. 1.0 cm
3. 1.5 cm
4. 2.0 cm

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Which of the following cultivars belongs to the cut standard type of chrysanthemum?

- (A). Pusa Centenary
- (B). Sadbhavana
- (C). Snow Ball
- (D). Thai Chen Queen

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

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

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Choose correct descending order of vitamin-C content in different parts of capsicum

1. Seeds > Flesh > Placenta
2. Placenta > Seed > Flesh
3. Flesh > Placenta > Seeds
4. Flesh > Seeds > Placenta

- ☐ 1

- ☐ 2
- ☒ 3 (Chosen Option)
- ☐ 4

Question No. 47 / Question ID 28079

Marks: 4.00

Which of the following is called as King of Spices?

- 1. Clove
- 2. Black Pepper
- 3. Cardamom
- 4. Allspices

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 48 / Question ID 28031

Marks: 4.00

Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : Jonathan spot is a physiological disorder of apple

Reason (R) : Calcium deficiency is the sole cause of this disease

In light of the above statements, choose the *correct* answer from the options given below.

- 1. Both (A) and (R) are true and (R) is the correct explanation of (A).
- 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
- 3. (A) is true but (R) is false.
- 4. (A) is false but (R) is true.

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 49 / Question ID 28100

Marks: 4.00

Which of the following ornamental plants are suitable for a water garden?

(A). *Aponogeton distachyus*

(B). *Gypsophilla elegens*

(C). *Nelumbo lutea*

(D). *Trapa natans*

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

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

- ☐ 1
- ☐ 2
- ☒ 3 (Chosen Option)
- ☐ 4

Question No. 50 / Question ID 28085

Marks: 4.00

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

List-I	List-II
Cultivar group of hot chillies	Characteristics
(A). Jalapeno	(I). Fruits small, thin, puffy walled
(B). Ancho	(II). Fruits small, almost cylindrical with round ends, thick walled
(C). New Mexican	(III). Large heart shaped , thin walled fruits
(D). Habanero	(IV). long slender with a tapered end, thin walled

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) - (III), (B) - (II), (C) - (I), (D) - (IV)
4. (A) - (II), (B) - (III), (C) - (IV), (D) - (I)

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 51 / Question ID 28095

Marks: 4.00

Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : Blue or cyan LEDs (400 and 500 nm) can result in 20-30% more photosynthesis than orange and red lights (600 to 630 nm).

Reason (R) : Coloured LED lights are used for increasing the photosynthetic efficiency of plants.

In light of the above statements, choose the *correct* answer from the options given below.

1. Both (A) and (R) are true and (R) is the correct explanation of (A).
2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
3. (A) is true but (R) is false.
4. (A) is false but (R) is true.

- ☐ 1
- ☐ 2
- ☐ 3
- ☒ 4 (Chosen Option)

Question No. 52 / Question ID 28033

Marks: 4.00

Facts about papaya flowering

- (A). Polygamous with various sex forms
- (B). Commonly found sex forms are pistillate, staminate and hermaphrodite
- (C). The Pistillate is very unstable, and sex reversal is common
- (D). Male flowers are devoid of the functional pistil

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

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

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 53 / Question ID 28020

Marks: 4.00

Given below are two statements:

Statement (I):In pineapple fruit weight increases with increasing number of suckers per plant

Statement (II):Whereas an increased number of slips delay fruit maturity

In 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 true but Statement (II) is false.
- 4. Statement (I) is false but Statement (II) is true.

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 54 / Question ID 28063

Marks: 4.00

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

List-I	List-II
Black pepper shoots	Characteristics growth habit
(A). Runner Shoots	(I). Main stem top shoot
(B). Plagiotropes	(II). Produced from the basal portion of main stem
(C). Orthotropes	(III). Hanging shoots
(D). Geotropes	(IV). Produced from the nodes of the main stem

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) - (IV), (C) - (I), (D) - (III)
- 4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

- ☐ 1
- ☐ 2
- ☐ 3
- ☒ 4 (Chosen Option)

Question No. 55 / Question ID 28086

Marks: 4.00

A novel plant breeding technique designed to directly produce parental lines for any heterozygous plant is

- 1. Reverse breeding
- 2. Forward breeding
- 3. Molecular breeding
- 4. TILLING

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 56 / Question ID 28059

Marks: 4.00

Match mango species **List-I** with **List-II** ccording to their potential use in mango breeding.

List-I	List-II
Mango species	Characteristics
(A). <i>Mangifera laurina</i>	(I). Prolific bearer, small black sweet fruit
(B). <i>Mangifera magnifica</i>	(II). Tolerance to hopper
(C). <i>Mangifera casturi</i>	(III). Wet climate and anthracnose resistance
(D). <i>Mangifera altissima</i>	(IV). Free from fiber

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

1. (A) - (I), (B) - (III), (C) - (II), (D) - (IV)

2. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

3. (A) - (IV), (B) - (II), (C) - (III), (D) - (I)

4. (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
- ☐ 1

☒ 2 (Chosen Option)

☐ 3

☐ 4

Question No. 57 / Question ID 28024

Marks: 4.00

Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) :Fruit softens during ripening

Reason (R) : There is breakdown of pectic substances in the middle lamina causing poor cell to cell cohesion, thereby softening of fruit

In light of the above statements, choose the *correct* answer from the options given below.

1. Both (A) and (R) are true and (R) is the correct explanation of (A).

2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A).

3. (A) is true but (R) is false.

4. (A) is false but (R) is true.
- ☒ 1 (Chosen Option)

☐ 2

☐ 3

☐ 4

Question No. 58 / Question ID 28038

Marks: 4.00

The laticiferous canals meant for storage of fluid in mango is called

1. Core

2. Sacs

3. Pith

4. Chenp
- ☐ 1

☐ 2

☐ 3

☒ 4 (Chosen Option)

Question No. 59 / Question ID 28094

Marks: 4.00

Calculate the quantity of DAP (18-20-0) and Urea (46%) to full fill the recommended dose (80 N-20 P-0 K) in a vegetable crop?

- 1. DAP (100 kg) and Urea (135 kg)
- 2. DAP (120 kg) and Urea (150 kg)
- 3. DAP (130 kg) and Urea (92 kg)
- 4. DAP (90 kg) and Urea (105 kg)

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 60 / Question ID 28030Marks: 4.00

Ideal sucker size for planting of pineapple?

- 1. 150 g
- 2. 300 g
- 3. 450 g
- 4. 600 g

- ☐ 1
- ☐ 2
- ☒ 3 (Chosen Option)
- ☐ 4

Question No. 61 / Question ID 28070Marks: 4.00

Which of the following is NOT a heat-tolerant variety of Potato?

- 1. Kufri Bhaskar
- 2. Kufri Kiran
- 3. Kufri Lima
- 4. Kufri Sherpa

- ☐ 1
- ☐ 2
- ☒ 3 (Chosen Option)
- ☐ 4

Question No. 62 / Question ID 28069Marks: 4.00

Which vitamin is spinach particularly rich in?

- 1. Vitamin C
- 2. Vitamin A
- 3. Vitamin D
- 4. Vitamin K

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 63 / Question ID 28042Marks: 4.00

Which among the following is an intergeneric hybrid of grapefruit and trifoliate orange?

- 1. Citrumelos
- 2. Citranges
- 3. Alemow
- 4. Smooth Flat Seville

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 64 / Question ID 28106

Marks: 4.00

The variety "Princess 77" belongs to which of the following turf/lawn grasses?

- 1. *Poa pratensi*
- 2. *Agrostis palustris*
- 3. *Cynodon dactylon*
- 4. *Lolium perene*

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 65 / Question ID 28071

Marks: 4.00

Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : Turmeric is propagated vegetatively through rhizome.

Reason (R) : For commercial cultivation, both mother and finger rhizomes are used.

In light of the above statements, choose the *correct* answer from the options given below.

- 1. Both (A) and (R) are true and (R) is the correct explanation of (A).
- 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
- 3. (A) is true but (R) is false.
- 4. (A) is false but (R) is true.

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 66 / Question ID 28005

Marks: 4.00

The average per day water requirement for rice is about

- 1. 2 mm
- 2. 5 mm
- 3. 10 mm
- 4. 30 mm

- ☐ 1
- ☐ 2
- ☐ 3
- ☒ 4 (Chosen Option)

Question No. 67 / Question ID 28009

Marks: 4.00

Which renowned Indian horticulturist passed away during March 2025?

- 1. Dr. Kirti Singh
- 2. Dr. B. S. Chundawat
- 3. Dr. K. L. Chadha
- 4. Dr. K. V. Peter

- ☐ 1
- ☐ 2
- ☒ 3 (Chosen Option)
- ☐ 4

Question No. 68 / Question ID 28058

Marks: 4.00

Sequence the cashew varieties according to their parentage

- (A). Ansur-1 × 56
- (B). Midnapore red × Vetore 56
- (C). Vetore 56 × Ansur 1
- (D). Vengrula 3 × M 10/4

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

- 1. Vengrula 6 - Vengrula 7 - Vengrula 4 - Vengrula 3
- 2. Vengrula 3 - Vengrula 4 - Vengrula 6 - Vengrula 7
- 3. Vengrula 7 - Vengrula 4 - Vengrula 3 - Vengrula 6
- 4. Vengrula 4 - Vengrula 3 - Vengrula 6 - Vengrula 7

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 69 / Question ID 28001Marks: 4.00

The National Horticulture Board(NHB) was set up during the year ?

- 1. 1980
- 2. 1984
- 3. 1990
- 4. 1995

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 70 / Question ID 28113Marks: 4.00

Given below are two statements:

Statement (I): Self-incompatibility was first reported by Koelreuter and in this case, pollen grains fail to germinates on the stigma of the flower that produced them.

Statement (II): In primula, pin flowers have long styles and short stamens, while thrum flowers have short styles and long stamens.

In 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 true but Statement (II) is false.
- 4. Statement (I) is false but Statement (II) is true.

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 71 / Question ID 28091Marks: 4.00

Given below are two statements:

Statement (I): Doubled haploid lines are always genetically identical to their parent plants in cauliflower

Statement (II): Failure of pollen germination on stigma is a post-syngamic barrier in cole crops.

In 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 true but Statement (II) is false.
- 4. Statement (I) is false but Statement (II) is true.

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 72 / Question ID 28007

Marks: 4.00

Which one of the following is used to find out the central tendency of skewed distribution?

- 1. Mean
- 2. Average
- 3. Median
- 4. Mode

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 73 / Question ID 28102

Marks: 4.00

Given below are two statements:

Statement (I): The trees like *Araucaria cookie*, *Callistemon lanceolatus* and *Salix babylonica* can be used as specimen trees in any garden.

Statement (II): The trees such as *Magnolia grandiflora*, *Michelia champaka* and *Millingtonia hortensis* do not have fragrant flowers.

In 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 true but Statement (II) is false.
- 4. Statement (I) is false but Statement (II) is true.

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 74 / Question ID 28119

Marks: 4.00

Arrange the following steps of pure line selection method of self-pollinated flower crops in correct sequence?

- (A). Selection of plants on the basis of their phenotype.
- (B). Conducting preliminary yield trials and rejecting inferior progenies.
- (C). Selection of best progenies over several locations.
- (D). Growing individual plant progenies and rejection of undesirable progenies.
- (E). Conducting replicated yield trials in several locations and rejecting inferior progenies.
- (F.) Multiplication of seeds of best progenies.

- 1. (C), (D), (E), (F), (A), (B).
- 2. (A), (D), (B), (E), (C), (F).
- 3. (A), (D), (E), (B), (F), (C).
- 4. (C), (B), (E), (A), (F), (D).

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 75 / Question ID 28052

Marks: 4.00

Which propagation technique should be adopted in tissue culture to obtain virus free 'clean plant'

- 1. Microcutting
- 2. Microbudding
- 3. Micrografting
- 4. Microlayering

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 76 / Question ID 28053

Marks: 4.00

Given below are two statements:

Statement (I): Zn deficiency of apple is commonly called “Rosette”

Statement (II): Rosette usually first appears on the summer growth

In 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 true but Statement (II) is false.
- 4. Statement (I) is false but Statement (II) is true.

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 77 / Question ID 28077

Marks: 4.00

Which of the following is NOT a variety of Fenugreek ?

- 1. Hisar Sonali
- 2. Hisar Suvarna
- 3. Hisar Mukta
- 4. Hisar Swarup

- ☐ 1
- ☐ 2
- ☒ 3 (Chosen Option)
- ☐ 4

Given below are two statements:

Statement (I): The annual or seasonal flower crops such as sweet pea, lupin, require an isolation distance of more than 400 meter for pure seed production.

Statement (II): The annual or seasonal flower crops such as blue corn flowers, blue larkspur, ageratum, can be used to develop blue monochromatic colour scheme in the gardens.

In 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 true but Statement (II) is false.
- 4. Statement (I) is false but Statement (II) is true.

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Establishment of "seed garden" to produce superior hybrids and cultivars is done in

- 1. Pineapple
- 2. Cashewnut
- 3. Coconut
- 4. Plantain

- ☐ 1
- ☐ 2
- ☒ 3 (Chosen Option)
- ☐ 4

Facts about PM Kisan

- (A) PM Kisan is a Central Sector scheme with 100% funding from Government of India.
- (B) It has become operational from 1.12.2018.
- (C) Definition of family for the scheme is husband, wife and minor children
- (D) Support of 12,000/- per year in three equal installments is provided to all land holding farmer families

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

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

- ☐ 1
- ☐ 2
- ☒ 3 (Chosen Option)
- ☐ 4

Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : Sand pear is a variety of pear and most suitable for plains

Reason (R) : It requires only 159 hours of chilling and can also withstand high temperature and hot winds during summer

In light of the above statements, choose the *correct* answer from the options given below.

- 1. Both (A) and (R) are true and (R) is the correct explanation of (A).
- 2. Both (A) and (R) are true but (R) is NOT the correct explanation of (A)
- 3. (A) is true but (R) is false.
- 4. (A) is false but (R) is true.

- ☐ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 82 / Question ID 28017

Marks: 4.00

Calculate the number of plants per hectare under Hexagonal system if the plant to plant distance is 10 m?

- 1. 75
- 2. 100
- 3. 115
- 4. 125

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 83 / Question ID 28067

Marks: 4.00

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

List-I	List-II
Nutrient	Deficiency symptoms
(A). N	(I). Strip chlorosis, mainly between veins, while veins remain green
(B). P	(II). Leaves with brown necrotic margins, wilted appearance of plant
(C). K	(III). Reddish discoloration on green leaves or stalks
(D). Mg	(IV). Chlorosis starting from leaf tips, later leaves turn yellowish-brown

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

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

- ☐ 1
- ☐ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 84 / Question ID 28013

Marks: 4.00

The simplest measurement of dispersion is

- 1. Mean
- 2. Median
- 3. Mode
- 4. Range

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 85 / Question ID 28073Marks: 4.00

Which of the following vegetable seed production model is in use in vegetatively propagated crops like potato, garlic, sweet potato etc. ?

- 1. Two generation model
- 2. Three generation model
- 3. Four generation model
- 4. Five generation model

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 86 / Question ID 28110Marks: 4.00

The architectural features, namely **baradari** and **running water**, belong to which of the following gardens?

- 1. Japanese Garden
- 2. Mughal Garden
- 3. English Garden
- 4. Wild garden

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 87 / Question ID 28105Marks: 4.00

Which of the following architect has given the concept of French style garden?

- 1. Le Notre
- 2. Normon Borlaug
- 3. Claude Lorrain
- 4. G. Jekyell

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 88 / Question ID 28081Marks: 4.00

Which of the following vegetable crop is not removing higher quantity of nutrients from the soil ?

- 1. Sweet Potato
- 2. Spinach
- 3. Cauliflower
- 4. Cucumber

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 89 / Question ID 28002Marks: 4.00

Molecular markers have been widely used in

- (A). Barcoding of species
- (B).Genetic finger printing
- (C). Identification of duplicates
- (D).Selecting core collections

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

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

- ☐ 1
- ☐ 2
- ☐ 3
- ☒ 4 (Chosen Option)

Question No. 90 / Question ID 28114Marks: 4.00

Frost damage occurs in which of the following stages of gladiolus?

- (A). Immediately after planting
- (B). Corms harvesting stage
- (C). 7-leaf stage when spikes start emerging
- (D). Fully emerged spikes

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

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

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 91 / Question ID 28103Marks: 4.00

Which of the following orchids belong to sympodial types?

- (A). Vanda
- (B). Arachnis
- (C). Cymbidium
- (D). Cattleya

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

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

- ☐ 1
- ☐ 2
- ☒ 3 (Chosen Option)
- ☐ 4

Question No. 92 / Question ID 28107Marks: 4.00

A nearly homozygous line developed by continued inbreeding usually selfing accompanied by selection is known as

- 1. Pure line
- 2. Inbred line
- 3. F₂ line
- 4. Recombinant line

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 93 / Question ID 28120Marks: 4.00

In which of the following method a large number of plants of similar phenotype are selected and their seeds are mixed together to constitute the new variety?

- 1. Pedigree selection
- 2. Mass selection
- 3. Pure line selection
- 4. Bulk method

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 94 / Question ID 28064Marks: 4.00

Which of the following process is often practiced to overcome lanky seedlings due to lack of proper or uniform sunlight under protected cultivation?

- 1. Fertigation
- 2. Seed Dressing
- 3. Pillowing
- 4. Precision Seeding

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 95 / Question ID 28036Marks: 4.00

Arrange the plum varieties on the basis of ripening (early to late)

- (A). Red Beaut
- (B). Santa Rosa
- (C). Mariposa
- (D). Frontier

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

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

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 96 / Question ID 28088Marks: 4.00

Heterosis can be easily fixable in which of the following?

- 1. Cross-pollinated crops
- 2. Vegetatively propagated crops
- 3. Self-pollinated crops
- 4. Often cross-pollinated crops

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 97 / Question ID 28027 Marks: 4.00

Which one of the following fruit trees has hermaphrodite flowers?

- (A). Mango
- (B). Ber
- (C). Coconut
- (D). Guava

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

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

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 98 / Question ID 28078 Marks: 4.00

Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : Glucosinolates have been proposed as chemical markers in chemotaxonomy of Brassica Vegetables.

Reason (R) : The total amounts and profile of Glucosinolates vary among the Brassica crops.

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

- 1. Both (A) and (R) are correct and (R) is the correct explanation of (A).
- 2. Both (A) and (R) are correct but (R) is NOT the correct explanation of (A).
- 3. (A) is correct but (R) is not correct.
- 4. (A) is not correct but (R) is correct.

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 99 / Question ID 28084 Marks: 4.00

Given below are two statements:

Statement (I): SRK (S-locus receptor kinase) is the male determinant of sporophytic self- incompatibility in *Brassica oleracea*.

Statement (II): Pollen recognition and rejection mechanism is explained for sporophytic self incompatibility.

In 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 true but Statement (II) is false.
- 4. Statement (I) is false but Statement (II) is true.

- ☒ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 100 / Question ID 28057Marks: 4.00

Sequence the parentage of guava varieties

- (A) Allahabad Safeda × Triploid
- (B) Kamsari × Purple local
- (C) Allahabad Safeda × Kohir
- (D) Pant Prabhat × Arka Kiran

- 1. Arka Kiran - Arka Amulya - Pusa Aarushi - Safeda Jam
- 2. Safeda Jam - Arka Amulya - Pusa Aarushi - Arka Kiran
- 3. Safeda Jam - Arka Kiran - Arka Amulya - Pusa
- 4. Arka Amulya - Arka Kiran - Safeda Jam - Pusa Aarushi

- ☐ 1
- ☐ 2
- ☐ 3
- ☒ 4 (Chosen Option)

Question No. 101 / Question ID 28025Marks: 4.00

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

List-I	List-II
Mango rootstock	Resistance against
(A). Bappakai	(I). Water logging
(B). <i>Mangifera laurina</i>	(II). Low temperature
(C). <i>Mangifera sylvatica</i>	(III). Anthracanose
(D). <i>Mangifera andamanica</i>	(IV). Salinity

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

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

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 102 / Question ID 28076

Marks: 4.00

Which of the following is NOT a long fruited variety of Brinjal?

- 1. Pusa Bhairav
- 2. Pant Samrat
- 3. Punjab Barsati
- 4. Azad Kranti

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 103 / Question ID 28096

Marks: 4.00

Which of the following trees is associated with the seal from the Mohan-jo-Daro civilization?

- 1. *Michelia champaca*
- 2. *Ficus religiosa*
- 3. *Shorea robusta*
- 4. *Terminalia arjuna*

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 104 / Question ID 28074

Marks: 4.00

Recently, the Govt of India set up the National Turmeric Board, where its headquarter is located?

- 1. Berhampur, Odisha
- 2. Baruasagar, Uttar Pradesh
- 3. East Godavari, Andhra Pradesh
- 4. Nizamabad, Telangana

- ☐ 1
- ☐ 2
- ☒ 3 (Chosen Option)
- ☐ 4

Question No. 105 / Question ID 28075

Marks: 4.00

Few statements are given for techniques and tools used in vegetable crop improvement

- (A). Androgenesis is most commonly used in Onion for haploid production
- (B). CENH 3 is an emerging player of haploid induction technology
- (C). A high cytokinin to auxin ratio is typically required to induce shoot organogenesis
- (D). RAPD is a co-dominant molecular marker

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

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

- ☐ 1
- ☐ 2
- ☒ 3 (Chosen Option)
- ☐ 4

Question No. 106 / Question ID 28060

Marks: 4.00

Match genetic constitution of papaya **List-I** with **List-II**

List-I	List-II
Genetic Constitution	Characteristics
(A). $M_1^{RR}m$	(I). Sex reversing heterozygous male plant
(B). $M_1^{Rr}m$	(II). Sex reversing homozygous male plant
(C). $M_1^{rr}m$	(III). Hermaphrodite plant
(D). M_2m	(IV). Pure male plant

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

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

- ☐ 1
- ☐ 2
- ☒ 3

☐ 4 (Chosen Option)

Question No. 107 / Question ID 28015

Marks: 4.00

For control of pod borer in chick pea, sex pheromone trap is installed at

- 1. Flower bud initiation stage
- 2. Early pod development stage
- 3. Late bud development stage
- 4. Root nodulation stage

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 108 / Question ID 28004

Marks: 4.00

Soil structure is related to

- (A). Mutual arrangement of particles in soil
- (B). Orientation of particles in the soil
- (C). Organisation of particles in the soil
- (D). Size of the particles in the soil

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

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

- ☐ 1
- ☐ 2
- ☐ 3
- ☒ 4 (Chosen Option)

Question No. 109 / Question ID 28101

Marks: 4.00

Pinching, a special horticultural practice, is performed in which of the following flower crops?

- A). Marigold
- (B). Rose
- (C). Gladiolus
- (D). Carnation

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

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

- ☐ 1
- ☒ 2 (Chosen Option)
- ☐ 3
- ☐ 4

Question No. 110 / Question ID 28051

Marks: 4.00

Mutation which occurs in one layer and along the side of the apex is known as

- 1. Mericlinal Chimera
- 2. Sectorial chimera
- 3. Periclinal chimera
- 4. Segmented chimera

- ☐ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 111 / Question ID 28003

Marks: 4.00

The UN General Assembly has adopted the year 2025 as the international year of?

- 1. Cooperatives
- 2. Climate resilience
- 3. Women Empowerment
- 4. Health and Hygiene

- ☐ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 112 / Question ID 28048

Marks: 4.00

Which of the following rootstock of apple has originated as chance seedling?

- 1. Malling 7a
- 2. Malling 9
- 3. Malling 27
- 4. MM 111

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4 (Chosen Option)

Question No. 113 / Question ID 28056

Marks: 4.00

Given below are two statements, one is labeled as Assertion (A) and other is labelled as Reason (R)

(A) Leaf tearing is considered beneficial for banana plantation at higher temperature (>47.5°C)

(R) Splitted leaves reduces photosynthetic efficiency and are subjected to minimum heat damage.

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

- 1. Both (A) and (R) are correct and (R) is the correct explanation of (A)
- 2. Both (A) and (R) are correct but (R) is not the correct explanation of (A)
- 3. (A) is correct but (R) is not correct
- 4. (A) is not correct but (R) is correct

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4 (Chosen Option)

Question No. 114 / Question ID 28011

Marks: 4.00

Which short durated Basmati rice matures within 115-120 days?

- 1. Pusa Basmati-1509
- 2. Pusa Basmati-1401
- 3. Pusa Basmati-1886
- 4. Pusa Basmati-1728

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 115 / Question ID 28092

Marks: 4.00

Which of the following physiological disorder is characterized as emergence of small green leaf tips from in between segments or prefloral buds of curds in cauliflower ?

- 1. Bracting
- 2. Browning
- 3. Fuzziness
- 4. Riceyness

- ☐ 1
- ☐ 2
- ☐ 3
- ☒ 4 (Chosen Option)

Question No. 116 / Question ID 28116 Marks: 4.00

Which of the following species/ varieties are used as root-stock for propagating roses in India?

- (A). Raktagandha
- (B). *Rosa multiflora*
- (C). *Rosa bourboniana*
- (D). *Rosa canina*

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

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

- ☐ 1
- ☐ 2
- ☒ 3 (Chosen Option)
- ☐ 4

Question No. 117 / Question ID 28041 Marks: 4.00

Banana with 10 chromosome genome are the characteristics of

- 1. Eumusa and Rhodoclamys
- 2. Callimusa and Australimusa
- 3. Callimusa and Eumusa
- 4. Australimusa and Rhodoclamys

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 118 / Question ID 28055 Marks: 4.00

Given below are two statements, one is labeled as Assertion (A) and other is labelled as Reason (R)

(A): For commercial cultivation of pineapple, High density planting is recommended

(R): At wider spacing, light is not fully utilized by leaves and part of it droop down.

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

- 1. Both (A) and (R) are correct and (R) is the correct explanation of (A)
- 2. Both (A) and (R) are correct but (R) is not the correct explanation of (A)
- 3. (A) is correct but (R) is not correct
- 4. (A) is not correct but (R) is correct

- ☐ 1
- ☐ 2
- ☒ 3 (Chosen Option)
- ☐ 4

Aceria guerreronis is major pest of

- 1. *Cocos nucifera*
- 2. *Anacardium occidentale*
- 3. *Curcuma longa*
- 4. *Piper nigrum*

- ☐ 1 (Chosen Option)
- ☐ 2
- ☐ 3
- ☐ 4

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

List-I	List-II
Breeding method	Its application
(A). Marker-assisted selection	(I). Breeding method used to combine desirable traits from two different species where pre-zygotic barriers exist
(B). Embryo rescue	(II). Process of selecting and interbreeding plants over several generations
(C). Somatic hybridization	(III). Technique used to succeed interspecific crosses
(D). Recurrent selection	(IV). Method involving selection based on molecular breeding

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) - (IV), (B) - (III), (C) - (I), (D) - (II)
- 4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

- ☐ 1
- ☐ 2
- ☐ 3 (Chosen Option)
- ☐ 4

NATIONAL TESTING AGENCY
Indian Council of Agricultural Research (ICAR) (PG) - 2025
Final Answer Key
Subject: Horticulture

Exam Shift: 10:00 to 12:00

Exam Date: 03-07-2025

Question ID	Correct Opt_ID	Question ID	Correct Opt_ID	Question ID	Correct Opt_ID	Question ID	Correct Opt_ID
28001	2	28036	2	28071	2	28106	3
28002	3	28037	1	28072	2	28107	2
28003	1	28038	4	28073	4	28108	1
28004	2	28039	2	28074	4	28109	3
28005	3	28040	3	28075	4	28110	2
28006	1	28041	2	28076	DROP	28111	4
28007	3	28042	1	28077	4	28112	3
28008	2	28043	3	28078	1	28113	1
28009	3	28044	3	28079	2	28114	4
28010	2	28045	4	28080	2	28115	4
28011	1	28046	3	28081	4	28116	3
28012	4	28047	2	28082	3	28117	3
28013	4	28048	2	28083	1	28118	3
28014	4	28049	3	28084	4	28119	2
28015	1	28050	2	28085	4	28120	2
28016	3	28051	1	28086	1		
28017	3	28052	3	28087	3		
28018	1	28053	3	28088	2		
28019	1	28054	2	28089	1		
28020	1	28055	1	28090	3		
28021	2	28056	1	28091	2		
28022	1	28057	4	28092	1		
28023	1	28058	2	28093	2		
28024	1	28059	2	28094	1		
28025	2	28060	4	28095	4		
28026	2	28061	3	28096	2		
28027	1	28062	1	28097	3		
28028	1	28063	3	28098	2		
28029	2	28064	3	28099	2		
28030	3	28065	4	28100	3		
28031	3	28066	3	28101	2		
28032	1	28067	2	28102	3		
28033	1	28068	2	28103	3		
28034	1	28069	4	28104	4		
28035	1	28070	4	28105	1		