

ICAR AIEEA PG 2024

HORTICULTURE

Solved Paper

Key Answers are available at the bottom of this document

1) HORTICULTURE

Question No. 1 / Question ID 80092

Marks: 4.00

The following statements are given for Brinjal

- (A). Pigmented purple coloured brinjal contains more vitamin C than green
- (B). Copper and polyphenol oxidase activity are highest in purple colour fruits
- (C). Fe and Catalase are lowest in green Brinjal
- (D). Bitterness of fruits is due to presence of solasodin

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 (Chosen
☒ Option) 3 4
☐
☐

Question No. 2 / Question ID 80050

Marks: 4.00

In case of epicotyl grafting in mango, healing union stage extends from

- 1. 30-60 days
- 2. 60-120 days
- 3. 120-180 days
- 4. 180-200 days

- ☐ 1 ☐ 2 (Chosen
☒ Option) 3 4
☐
☐

Question No. 3 / Question ID 80016

Marks: 4.00

Given below are two statements:

Statement (I): The non deep type is the most common primary dormancy

Statement (II): In this type of dormancy species require light or darkness to germinate or chilling stratification

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
- ☐ 3
- ☐ 4

Question No. 4 / Question ID 80006

Marks: 4.00

Carbohydrates that produce two to ten monosacharides units during the hydrolysis are called

1. Oligosaccharides
2. Aldoses
3. Ketoses
4. Polyhydroxy aldehyde

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

Question No. 5 / Question ID 80049

Marks: 4.00

Deciduous and extremely freeze hardy true citrus species is

1. *Poncirus*
2. *Eremocitrus*
3. *Microcitrus*
4. *Clymenia*

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

Question No. 6 / Question ID 80037

Marks: 4.00

The moisture content of dried cashew nut should be around

1. 1 %
2. 5 %
3. 10 %
4. 12 %

☐ 1 ☐ 2 ☐ 3 ☒ 4 (Chosen

☐ Option)

☐

☒

Question No. 7 / Question ID 80020

Marks: 4.00

Which one of the following is not true for varieties developed through mutation?

1. Mango – Rosica from Peruvian variety Rosadodelca
2. Papaya- Pusa Majesty from local type
3. Grape-Marvel Seedless from Delight
4. Banana- High gate from Gros Michel, Motta Poovan from Poovan

☐ 1 ☐ 2 (Chosen

☒ Option) 3 4

☐

☐

Question No. 8 / Question ID 80004

Marks: 4.00

Institution Village Linkage Programme (IVLP) was launched during

1. 1987
2. 1995
3. 2000
4. 2005

☐ 1

☐ 2

☐ 3

☐ 4

Question No. 9 / Question ID 80065

Marks: 4.00

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

Assertion (A) : The diploid wild species of potato are self-incompatible due to gametophytic self-incompatibility system.

Reason (R) : A dominant self-incompatibility inhibitor gene (Sli) has been identified in the wild species of *Solanum chacoense*.

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. 10 / Question ID 80055

Marks: 4.00

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

Assertion (A) : Combining all desirable character in a single cultivar of mango is difficult

Reason (R) : Mango is a homogeneous crop of suspected diploid origin

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. 11 / Question ID 80009

Marks: 4.00

Which is world first semi dwarf, photoperiod insensitive and high yielding rice variety?

1. Pusa RH-10
2. Pusa Basmati-1637
3. Pusa Basmati-1
4. Pusa Basmati-1121

☒ 1 (Chosen Option)

☐ 2 3 4

☐

☐

Match List-I with List-II

List-I	List-II
Common name	Scientific name
(A). Sword bean	(I). <i>Trichosanthes anguina</i>
(B). Ivy gourd	(II). <i>Vigna unguiculata</i>
(C). Cowpea	(III). <i>Coccinia indica</i>
(D). Snake gourd	(IV). <i>Canavalia gladiata</i>

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

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

- ☐ 1 ☐ 2 ☒ 3 (Chosen
☐ Option) 4
☒
☐

Question No. 13 / Question ID 80012

Marks: 4.00

The formula for calculating Gross ratio is?

- Total expenses/Gross income
- Fixed expenses/Gross income
- Operating expenses/Gross income
- Gross income/Total asset $\times 100$

- ☐ 1
☐ 2
☐ 3
☐ 4

Question No. 14 / Question ID 80040

Marks: 4.00

Which *Mangifera* species can be a good parent for breeding freestone mangoes?

1. *Mangifera sylvatica*
2. *Mangifera similis*
3. *Mangifera nicobarica*
4. *Mangifera caesia*

☐ 1 ☒ 2 (Chosen
☒ Option) 3 4
☐
☐

Question No. 15 / Question ID 80086

Marks: 4.00

The pungency of onion is due to

1. Allyl propyl disulphide
2. Quercetin
3. Sinigrin
4. Khudioxidase

☒ 1 (Chosen Option)
☐ 2 3 4
☐
☐

Question No. 16 / Question ID 80054

Marks: 4.00

Sequence the International Banana breeding institutes according to their place

(A) IITA

(B) EMBRPA

(C) CARBAP

(D) TBRI

1. Brazil - Taiwan - Nigeria and Uganda - Cameroon
2. Nigeria and Uganda - Taiwan - Brazil - Cameroon
3. Cameroon - Nigeria and Uganda - Taiwan - Brazil
4. Nigeria and Uganda - Brazil - Cameroon - Taiwan

☐ 1
☐ 2
☐ 3
☐ 4

Question No. 17 / Question ID 80075

Marks: 4.00

Which of the following vine cutting method is widely followed in pointed gourd propagation?

1. Lachhi method
2. Moist lump method
3. Ring method
4. Straight vine method

☒ 1 (Chosen Option)

☐ 2 3 4

☐

☐

Question No. 18 / Question ID 80087

Marks: 4.00

Which of the following factor is NOT favourable for induction of staminate flowers in Watermelon ?

1. Excessive nitrogen application
2. High temperature condition
3. Long day length
4. Application of ethrel@150 ppm

☐ 1 2 3 4 (Chosen

☐ Option)

☐

☒

Question No. 19 / Question ID 80057

Marks: 4.00

Given below are two statements:

Statement (I): Sucking mango cultivars such as Gaurjit and Safeda can be sliced easily

Statement (II): These cultivars are small fruited and have high fibre content

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. 20 / Question ID 80085

Marks: 4.00

Given below are two statements:

Statement (I): The typical vegetable cowpea has higher polysaccharides : monosaccharide ratio.

Statement (II): Amino acid profile particularly lycin, leucin and phenylalanine contents are relatively high in cowpea.

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. 21 / Question ID 80110

Marks: 4.00

Which of the following researcher has first described gametophytic system of self-incompatibility?

1. East and Mangelsdorf (1925)
2. Hughes and Babcock (1950)
3. Lewis (1954)
4. Gerstel (1950)

☐ 1

☐ 2

☐ 3

☐ 4

Question No. 22 / Question ID 80022

Marks: 4.00

Polyploidy level of cultivated strawberry

1. Diploid
2. Triploid
3. Octoploid
4. Hexaploid

☐ 1 2 3 (Chosen

☐ Option) 4

☒

☐

Question No. 23 / Question ID 80031

Marks: 4.00

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

Assertion (A) : In mango for obtaining good flowering one must stop irrigation at least 2-3 months before the flowering period

Reason (R) : Water stress is not a mechanism encouraging the formation of mango flowering but it does affect vegetative growth

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. 24 / Question ID 80098

Marks: 4.00

Which of the following creeper occupied a prominent place in the play 'Sakuntala' written by Kalidasa during the rule of Chandragupta II?

1. *Hiptage madablota*
2. *Adenocalymma alliaceum*
3. *Clerodendrum splendens*
4. *Quisqualis indica*

☒ 1 (Chosen Option)

☐ 2 3 4

☐

☐

Question No. 25 / Question ID 80014

Marks: 4.00

The peg formation in groundnut are positively

1. Chemotropic
2. Thigmotropic
3. Geotropic
4. Hydrotropic

☐ 1 2 3 (Chosen

☐ Option) 4

☒

☐

Question No. 26 / Question ID 80069

Marks: 4.00

The bitterness in colocasia corms is due to

1. Calcium chloride
2. Calcium oxalate
3. Calcium carbonate
4. Potassium oxalate

☐ 1 ☒ 2 (Chosen

☒ Option) 3 4

☐

☐

Question No. 27 / Question ID 80108

Marks: 4.00

Which of the following varieties belong to standard carnation?

(A). Lavender Lace

(B). Cherry Bag

(C). White Giant

(D). Pink Beam

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

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

☐ 1

☐ 2

☐ 3

☐ 4

Question No. 28 / Question ID 80058

Marks: 4.00

Given below are two statements:

Statement (I): The growth of guava fruits follow a single sigmoid curve

Statement (II): The fruits undergo extensive cell division during the first few week immediately following fertilization

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

- ☐ 3
☒ 4 (Chosen Option)

Question No. 29 / Question ID 80094

Marks: 4.00

Which of the following vegetable crop has brown anther type and petaloid type male sterility?

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

- ☐ 1 ☐ 2 ☒ 3 (Chosen
☐ Option) 4
☒
☐

Question No. 30 / Question ID 80067

Marks: 4.00

Which of the following is NOT a true indicator of fruit ripening stage of watermelon?

1. Withering of the tendril near the place of fruit attachment
2. Change of ground spot colour of the fruit
3. Dull-thud sound on thumping the fruit
4. Changing in fruit shape

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

Question No. 31 / Question ID 80007

Marks: 4.00

Which one of the following is not a Spanish bunch variety of ground nut?

1. GJG 9
2. TG 37 A
3. Girnar 3
4. Girnar 2

- ☐ 1
☐ 2
☐ 3
☐ 4

Question No. 32 / Question ID 80088

Marks: 4.00

The following statements about onion are given below

- (A). Temperature is comparatively more important for bulb formation
- (B). Photoperiod is more important for flowering
- (C). Long day onion varieties do not bulb under short day conditions
- (D). Genetic constitution of the male sterility maintainer is Nmsms.

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

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

☐ 1 ☐ 2 ☐ 3 ☒ 4 (Chosen

☐ Option)

☐

☒

Question No. 33 / Question ID 80041

Marks: 4.00

Which salt absorbs ethylene effectively during storage of apple?

- 1. KMnO_4
- 2. K_2SO_4
- 3. KCl
- 4. KNO_3

☒ 1 (Chosen Option)

☐ 2 ☐ 3 ☐ 4

☐

☐

Question No. 34 / Question ID 80120

Marks: 4.00

Which of the following genera belong to warm orchids?

- (A). *Cymbidium*
- (B). *Phalaenopsis*
- (C). *Miltonia*
- (D). *Dendrobium*

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

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

- ☐ 1 2 3 4 (Chosen Option)
- ☐
- ☒

Question No. 35 / Question ID 80096

Marks: 4.00

Match List-I with List-II

List-I	List-II
Flower crop	Basic chromosome No.
(A). Carnation	(I). $X=9$
(B). Chrysanthemum	(II). $X=15$
(C). Tuberose	(III). $X=19$
(D). Dendrobium	(IV). $X=30$

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

Question No. 36 / Question ID 80118

Marks: 4.00

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

Assertion (A) : Over watering is very harmful to chrysanthemum plants, hence proper drainage in the field and pots should be maintained for commercial cultivation.

Reason (R) : Over watering causes yellowing of leaves and mortality of chrysanthemum plants due to insufficient supply of oxygen for root respiration resulting in rotting of roots.

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. 37 / Question ID 80106

Marks: 4.00

Which of the following is a cool season lawn/turfgrass?

1. *Lolium perene*
2. *Zoysia japonica*
3. *Paspalum vaginatum*
4. *Buchloe dactyloides*

☒ 1 (Chosen Option)

☐ 2 3 4

☐

☐

Question No. 38 / Question ID 80070

Marks: 4.00

Red colour of beet root is due to

1. Carotene
2. Xanthophyll
3. Anthocyanin
4. Chlorophyll-b

☐ 1 2 (Chosen

☒ Option) 3 4

☐

☐

In vegetatively propagated material somatic mutations of spontaneous origin are commonly referred to as

1. Cultivar
2. Variety
3. Bud sports
4. Chimera

☐ 1 ☐ 2 ☒ 3 (Chosen
☐ Option) 4
☒
☐

Question No. 40 / Question ID 80026

Marks: 4.00

Given below are two statements:

Statement (I): Rootstock 110 R restricted uptake of sodium and chloride.

Statement (II): While Dog ridge and Salt creek were know to restrict the uptake of chloride only.

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. 41 / Question ID 80066

Marks: 4.00

What is the family of Rhubarb ?

1. Apiaceae
2. Euphorbiaceae
3. Convolvulaceae
4. Polygonaceae

☐ 1 ☐ 2 ☐ 3 ☒ 4 (Chosen
☐ Option)
☐
☒

Question No. 42 / Question ID 80071

Marks: 4.00

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

List-I	List-II
Vegetables	Disorder
(A). Bean	(I). Tip burn
(B). Cabbage	(II). Hypocotyl necrosis
(C). Celery	(III). Internal tip burn
(D). Lettuce	(IV). Black heart

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

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

☒ 1 (Chosen Option)

☐ 2 3 4

☐

☐

Question No. 43 / Question ID 80013

Marks: 4.00

Which of the following is a C4 plant?

1. Rice
2. Wheat
3. Cotton
4. Sugarcane

☐ 1 2 3 4 (Chosen

☐ Option)

☐

☒

Question No. 44 / Question ID 80077

Marks: 4.00

What is the somatic chromosome number of Elephant foot yam?

1. $2n = 2x = 26$
2. $2n = 2x = 36$
3. $2n = 4x = 26$
4. $2n = 4x = 36$

☒ 1 (Chosen Option)

☐ 2 3 4

☐

☐

Question No. 45 / Question ID 80034

Marks: 4.00

Flame peeling is generally used for

1. Onion and garlic
2. Pea and grains
3. Carrot
4. Pineapple

☐ 1 2 3 (Chosen

☐ Option) 4

☒

☐

Question No. 46 / Question ID 80019

Marks: 4.00

Given below are two statements:

Statement (I): Bringing together two or more genes governing a single trait, especially resistance to disease is known as gene pyramiding

Statement II : The use of molecular markers greatly facilitates gene pyramiding as it minimises the need for disease tests and progeny test

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. 47 / Question ID 80072

Marks: 4.00

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

1. Arka Shirish
2. Pusa Bhairav
3. Punjab Sadabahar
4. Pant Rituraj

☒ 1 (Chosen Option)

☐ 2 3 4

☐

☐

Question No. 48 / Question ID 80032

Marks: 4.00

Given below are two statements:

Statement (I): Papaya is a polygamous plant with various sex forms (pistilate, hermaphrodite and staminate)

Statement (II): Pistilate form is stable and sex reversal is not affected by environmental factors

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 3 (Chosen

☐ Option) 4

☒

☐

Question No. 49 / Question ID 80010

Marks: 4.00

Geographical indication tag (GI tag) in India was enacted during the year?

1. 1990
2. 1993
3. 1996
4. 1999

☐ 1 2 (Chosen

☒ Option) 3 4

☐

☐

Question No. 50 / Question ID 80103

Marks: 4.00

Which of the following architect has given the concept of bio-aesthetic planning?

1. Le Corbusier
2. Pierre Jeanneret
3. Pro. Lancelot Hogben
4. Dr. G S Randhawa

☐ 1 ☐ 2 ☒ 3 (Chosen

☐ Option) 4



Question No. 51 / Question ID 80104

Marks: 4.00

Which of the following annuals require the isolation distance of 50-100 meters for seed production?

- (A). Antirrhinum
- (B). Marigold
- (C). Larkspur
- (D). Nasturtium

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

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

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 52 / Question ID 80015

Marks: 4.00

Front line demonstration is an example of which extension teaching method?

1. Individual contact
2. Mass contact
3. Group contact
4. Visual contact

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 53 / Question ID 80021

Marks: 4.00

Mango malformation was reported for the first time in the year

1. 1891
2. 1910
3. 1935
4. 1948

☒ 1 (Chosen Option)

☐ 2 3 4

☐

☐

Question No. 54 / Question ID 80116

Marks: 4.00

Which of the following genera belong to marginal plants and suitable for planting in water gardens?

- (A). *Azolla caroliniana*
- (B). *Acorus calamus*
- (C). *Cyperus alternifolius*
- (D). *Elodea canadensis*

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

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

☐ 1 2 (Chosen

☒ Option) 3 4

☐

☐

Question No. 55 / Question ID 80074

Marks: 4.00

Which of the following variety of chilli is suitable for colour extraction ?

1. Arka Abir
2. KTPL- 91
3. CH-3
4. Punjab Lal

☒ 1 (Chosen Option)

☐ 2 3 4

☐

☐

Question No. 56 / Question ID 80099

Marks: 4.00

Who has completed the garden at Amber fort, Jaipur, Rajasthan?

1. Nawab Wajid Ali Shah
2. Raja Jai Singh II
3. Raja Abhai Singh
4. Sher Shah Suri

☐ 1 ☐ 2 (Chosen
☒ Option) 3 4
☐
☐

Question No. 57 / Question ID 80105

Marks: 4.00

Given below are two statements:

Statement (I): Lawn grass, *Cynodon dactylon* L. is most widely used on lawn, roadsides, parks, school ground, playgrounds, golf courses and other areas where a close mown dense turf is required.

Statement (II): *Cynodon dactylon* L., *Stenotaphrum secundatum* and *Paspalum notatum* are cool season grasses and highly suitable for lawn making in cool areas.

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 ☐ 3 (Chosen
☐ Option) 4
☒
☐

Question No. 58 / Question ID 80025

Marks: 4.00

Best training method in high density peach planting

1. Y trellis
2. Tatura Trellis
3. Head
4. Spindle Bush

☐ 1 ☐ 2 (Chosen
☒ Option) 3 4
☐
☐

Question No. 59 / Question ID 80035

Marks: 4.00

As per FPO which of the following is not true for canning of fruits?

1. No preservative shall be added
2. Drained weight not less than 50%
3. The can shall not show any positive pressure at sea level
4. Head space in can should be more than 1.6 cm

☐ 1 2 3 4 (Chosen

☐ Option)

☐



Question No. 60 / Question ID 80028

Marks: 4.00

Which of the following is true for essentiality of germination?

- (A). Viability of seed
- (B). Proper environment
- (C). Seed free from dormancy
- (D). Thin seed coat

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

☐ 1 2 3 (Chosen

☐ Option) 4



☐

Question No. 61 / Question ID 80051

Marks: 4.00

Man made hybrid Tangelos is an interspecific hybrid of

1. *Citrus deliciosa* × *Citrus nobilis*
2. *Citrus sinensis* × *Citrus deliciosa*
3. *Citrus reticulata* × *Citrus paradisi*
4. *Citrus grandis* × *Citrus unshiu*

☐ 1 2 3 (Chosen

☐ Option) 4



☐

Question No. 62 / Question ID 80033

Marks: 4.00

Superficial rind pitting

- (A). It is a physiological disorder causing serious damage to Shamouti orange
- (B). The majority of the symptoms develop 3-5 weeks after harvest
- (C). Ethylene increases the incidence
- (D). Storage at 5 °C increase the incidence

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

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

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4

Question No. 63 / Question ID 80076

Marks: 4.00

Which of the following shows very high inbreeding depression on selfing?

1. Spine gourd
2. Lettuce
3. Carrot
4. Pea

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

Question No. 64 / Question ID 80005

Marks: 4.00

A kitchen garden is having 20 varieties of vegetables and out of these 4 are leafy vegetables. Calculate the probability of getting a leafy vegetable

1. 0.5
2. 0.4
3. 0.2
4. 0.1

☒ 1 (Chosen Option)

☐ 2 3 4

☐

☐

Question No. 65 / Question ID 80029

Marks: 4.00

Match List-I with List-II

List-I	List-II
variety	Fruit Crop
(A). Gulabi	(I). Mango
(B). Phule Arketa	(II). Guava
(C). Chittidar	(III). Pomegranate
(D). Haden	(IV). Grapes

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

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

2. (A) - (I), (B) - (II), (C) - (III), (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. 66 / Question ID 80045

Marks: 4.00

Various forms of gibberellins are abundant during which stage of fruit development?

1. Stage I

2. Stage II

3. Stage I & Stage II

4. Through out seed development

☐ 1 2 (Chosen

☒ Option) 3 4

☐

☐

Question No. 67 / Question ID 80093

Marks: 4.00

Which of the following is NOT a frost tolerant species of potato ?

1. *Solanum acaule*
2. *Solanum vernei*
3. *Solanum commersonii*
4. *Solanum tuberosum*

☐ 1 ☐ 2 (Chosen
☒ Option) 3 4
☐
☐

Question No. 68 / Question ID 80063

Marks: 4.00

King of North is the variety of ?

1. Broccoli
2. Knol Khol
3. Celery
4. Parsely

☐ 1 ☐ 2 (Chosen
☒ Option) 3 4
☐
☐

Question No. 69 / Question ID 80008

Marks: 4.00

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

List-I	List-II
Plant Nutrient	Mobility in soil/ function in plant
(A). Mn	(I). Highly mobile
(B). Mg	(II). Less mobile
(C). Zn	(III). Immobile
(D). C	(IV). Basic structure

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. 70 / Question ID 80100

Marks: 4.00

Which of the following rose cultivars were developed through induced mutation?

- (A). Abhisarika
- (B). Pusa Alpana
- (C). Madhosh
- (D). Rose Sherbet

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

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

☐ 1 2 3 (Chosen

☐ Option) 4

☒

☐

Mango hybrid Arka Suprabhath is a cross between

1. Amrapali and Arka Anmol
2. Arka Anmol and Amarpali
3. Malika and Langra
4. Kesar and Neelam

☒ 1 (Chosen Option)

☐ 2 3 4

☐

☐

Match List-I with List-II

List-I	List-II
Disease	Vegetable crop
(A). Purple blotch	(I). Garlic
(B). Black rot	(II). Cauliflower
(C). Anthracnose	(III). Chilli
(D). Powdery mildew	(IV). Pea

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

☒ 1 (Chosen Option)

☐ 2 3 4

☐

☐

Citrus rootstock which is tolerant to gummosis, root rot, tristeza and drought

1. Karna khatta
2. Cleoptra mandarin
3. Sweet orange
4. Carizzo cittrange

☐ 1 ☐ 2 (Chosen
☒ Option) 3 4
☐
☐

Question No. 74 / Question ID 80017

Marks: 4.00

Which method of grafting is used for reworking old fruit tree?

1. Whip and tongue
2. Cleft grafting
3. Splice
4. Wedge grafting

☐ 1 ☐ 2 (Chosen
☒ Option) 3 4
☐
☐

Question No. 75 / Question ID 80091

Marks: 4.00

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

Assertion (A) : Tuberization in sweet potato is almost absent at 75 % shade and severely affected at 55 % and not much affected at 25 % shade.

Reason (R) : Warm sunny days and cool nights are favourable for better tuber development in sweet potato.

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. 76 / Question ID 80090

Marks: 4.00

Given below are two statements:

Statement (I): In vegetable crops, luxury consumption of potassium is a very common feature.

Statement (II): Potassium is more mobile than nitrogen fertilizers.

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. 77 / Question ID 80084

Marks: 4.00

What is the approximately average protein content (on dry weight basis) in potato ?

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

☐ 1 2 (Chosen

☒ Option) 3 4

☐

☐

Question No. 78 / Question ID 80042

Marks: 4.00

Which plant bio regulator blocks the synthesis of gibberellin?

1. Absciscic acid
2. Ethylene
3. Benzothiadiazole
4. Prohexadione-calcium

☐ 1 2 3 (Chosen

☐ Option) 4

☒

☐

Question No. 79 / Question ID 80043

Marks: 4.00

To reduce the incidence of fruit fly in mango, bagging of fruits using brown paper is done

1. 30 Days before harvesting
2. 60 Days before harvesting
3. 90 Days before harvesting
4. 120 Days before harvesting

☐ 1 ☒ 2 (Chosen
☒ Option) 3 4
☐
☐

Question No. 80 / Question ID 80044

Marks: 4.00

Which district has been granted GI tag in cashew nut for nut quality?

1. Kasargod, Kerala
2. Puttur, Karnataka
3. Vengurla, Maharashtra
4. Bapatla, Andhra Pradesh

☐ 1 2 3 4 (Chosen
☐ Option)
☐
☒

Question No. 81 / Question ID 80056

Marks: 4.00

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

Assertion (A) : Veneer grafting and stone grafting are by far the best method of vegetative propagation in mango

Reason (R) : Scion stick can be carried to long distances and can keep well for 5-6 days

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. 82 / Question ID 80083

Marks: 4.00

Given below are two statements:

Statement (I): Kashi Bhairav is a F1 hybrid of Brinjal.

Statement (II): Shitla Jyoti is a F1 hybrid of watermelon

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 3 4 (Chosen

☐ Option)

☐

☒

Question No. 83 / Question ID 80095

Marks: 4.00

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

Assertion (A) : Sweet potato is highly heterozygous with out-breeding habit.

Reason (R) : Self-incompatibility is evident in different sweet potato cultivars.

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. 84 / Question ID 80062

Marks: 4.00

Which of the following mechanism favours self-pollination ?

1. Protandry
2. Cleistogamy
3. Protogyny
4. Dioecy

☐ 1 2 (Chosen

☒ Option) 3 4

☐

☐

The superiority of an F_1 hybrid over both of its parents in terms of yield or some other characters is known as

1. Mutation
2. Polyploidy
3. Luxuriance
4. Heterosis

☐ 1 ☐ 2 ☐ 3 ☒ 4 (Chosen

☐ Option)



Question No. 86 / Question ID 80089

Marks: 4.00

Little leaf disease of brinjal is transmitted by

1. Leafhopper
2. White fly
3. Thrips
4. Mites

☒ 1 (Chosen Option)

☐ 2 ☐ 3 ☐ 4



Question No. 87 / Question ID 80024

Marks: 4.00

Which of the following fruit have highest TSS?

1. Bael
2. Mango
3. Grapes
4. Sapota

☒ 1 (Chosen Option)

☐ 2 ☐ 3 ☐ 4



Question No. 88 / Question ID 80002

Marks: 4.00

The UN has designated 2024 as the International Year of

1. Camelids
2. Cooperatives
3. Rangelands and Pastoralists
4. Millets

☐ 1 2 3 4 (Chosen

☐ Option)

☐

☒

Question No. 89 / Question ID 80052

Marks: 4.00

Mutation which occurs in one layer or more layers at the top of apex is known as

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

☒ 1 (Chosen Option)

☐ 2 3 4

☐

☐

Question No. 90 / Question ID 80061

Marks: 4.00

Which of the following is high temperature tolerant variety of cabbage?

1. Pusa Shree
2. Pusa Agrim
3. Pusa Ageti
4. Pusa Drum Head

☐ 1 2 3 (Chosen

☐ Option) 4

☒

☐

Question No. 91 / Question ID 80113

Marks: 4.00

Which of the following chrysanthemum varieties are suitable for growing as pot mums?

- (A). Pusa Sona
- (B). Tata Century
- (C). Snow Ball
- (D). Sadbhavana

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

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

- ☐ 1 2 3 4 (Chosen
☐ Option)
☐
☒

Question No. 92 / Question ID 80111

Marks: 4.00

Which of the following is characterized by non functional pollen grains, while female gametes function normally?

- 1. Self-incompatibility
- 2. Male sterility
- 3. Pure line
- 4. Pedigree

- ☐ 1 2 (Chosen
☒ Option) 3 4
☐
☐

Question No. 93 / Question ID 80046

Marks: 4.00

Which banana variety is slightly larger than human finger with sweet fragrance and honey like taste?

- 1. Saba
- 2. Matti Banana
- 3. Pacovan
- 4. Nanicalo

- ☐ 1 2 (Chosen
☒ Option) 3 4
☐
☐

Question No. 94 / Question ID 80081

Marks: 4.00

Utkal Mayuri is the variety of

1. Vegetable Pea
2. Vegetable Amaranth
3. Vegetable Soybean
4. Vegetable pigeon pea

☐ 1 ☒ 2 (Chosen
☒ Option) 3 4
☐
☐

Question No. 95 / Question ID 80082

Marks: 4.00

Calculate the quantity of fertilizer required for making a 100 ppm solution of 20-10-20 in a 500 litre tank ?

1. 150 g
2. 250 g
3. 350 g
4. 500 g

☐ 1
☐ 2
☐ 3
☐ 4

Question No. 96 / Question ID 80115

Marks: 4.00

Terrace and running water are the main features of which of the following garden?

1. English garden
2. Japanese garden
3. Mughal garden
4. Persian garden

☐ 1 ☐ 2 ☐ 3 (Chosen
☐ Option) 4
☒
☐

Question No. 97 / Question ID 80023

Marks: 4.00

Santa Rosa is a variety of

1. American plum
2. European plum
3. Japanese plum
4. Damson plum

☐ 1 ☐ 2 ☒ 3 (Chosen

☐ Option) 4



Question No. 98 / Question ID 80053

Marks: 4.00

Sequence the guava species according to their Synonyms

(A) *Psidium cattleianum* var. *longipes*

(B) *Psidium cattleianum* var. *lucidum*

(C) *Psidium montanum*

(D) *Psidium molle*

1. Brazilian guava - Strawberry guava - Mountain guava - Lemon guava
2. Lemon guava - Strawberry guava - Brazilian guava - Mountain guava
3. Strawberry guava - Lemon guava - Mountain guava - Brazilian guava
4. Lemon guava - Mountain guava - Brazilian guava - Strawberry guava

☒ 1 (Chosen Option)

☐ 2 ☐ 3 ☐ 4



Question No. 99 / Question ID 80112

Marks: 4.00

Given below are two statements:

Statement (I): A soft or cool harmony can be achieved by using blue colours available in sweet pea, China asters and petunias.

Statement (II): A warm harmony can be achieved by using yellow antirrhinum with orange dimorphotheca or yellow marigold with orange antirrhinum

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 ☒ 3 (Chosen

☐ Option) 4



Question No. 100 / Question ID 80097

Marks: 4.00

Which of the following tree is mentioned in *Atharva Veda*?

1. *Terminalia arjuna*
2. *Ficus religiosa*
3. *Cassia fistula*
4. *Shorea robusta*

☒ 1 (Chosen Option)

☐ 2 3 4

☐

☐

Question No. 101 / Question ID 80048

Marks: 4.00

Best orientation in single hedge row is?

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

☐ 1 2 (Chosen

☒ Option) 3 4

☐

☐

Question No. 102 / Question ID 80079

Marks: 4.00

What is the ideal seed rate for okra for rainy season crop?

1. 18-22 kg/ha
2. 8-10 kg/ha
3. 4-6 kg/ha
4. 16-18 kg/ha

☐ 1 2 (Chosen

☒ Option) 3 4

☐

☐

Question No. 103 / Question ID 80080

Marks: 4.00

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

List-I	List-II
Vegetable crop	Minimum Isolation distance (m) for foundation seed
(A) Cauliflower	(I). 400
(B). Onion	(II). 200
(C). Okra	(III). 1600
(D). Brinjal	(IV). 1000

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

☐ 1 2 3 4 (Chosen
Option)



Question No. 104 / Question ID 80036

Marks: 4.00

Membrane filtration refers to

- (A). Separation of soils from liquids
- (B). A separator is used which could be porous medium or membrane
- (C). Helps in clarification of juices and separation of microbes
- (D). Not commonly used in fruit juices, wine and beer

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



Question No. 105 / Question ID 80038

Marks: 4.00

For which state Pineapple variety Queen has been declared as a “state fruit”?

1. Manipur
2. Meghalaya
3. Tripura
4. Arunachal Pradesh

- 1 2 (Chosen
☒ Option) 3 4
 ○
 ○

Question No. 106 / Question ID 80119

Marks: 4.00

Arrange the following steps of mass selection method of flower crop improvement in correct sequence?

- (A). Selection of plants with similar but desirable traits from variable population.
- (B). Planting of composite seeds in preliminary yield trials and evaluation of phenotype of selected population.
- (C). Evaluation of promising selections in coordinated yield trials at multi-locations.
- (D). Compositing of seeds from selected plants.
- (E). Seed multiplication of outstanding selection for distribution.

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

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

- 1 2 3 (Chosen
 ○ Option) 4
☒
 ○

Question No. 107 / Question ID 80003

Marks: 4.00

Nutritional quality of rice

- (A). Rice alone accounts for 40 % of the protein in Asian diet.
- (B). In India rice provide 25 % of our protein requirement
- (C). It is a poor source of protein (6-8%)
- (D). Among cereal protein, rice protein is biologically the richest

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
- ☒
- ☐

Question No. 108 / Question ID 80060

Marks: 4.00

Match List-I with List-II

List-I	List-II
(A). Banana-Grand Naine	(I). USA
(B). Sweet Orange-Blood red	(II). France
(C). Guava-Beaumont G-35	(III). Philippines
(D). Mango-Carabao	(IV). Australia

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

Question No. 109 / Question ID 80109

Marks: 4.00

Match List-I with List-II

List-I	List-II
Tree	Scientific name
(A). Geranium tree	(I). <i>Butea monosperma</i>
(B). Flame of the forest	(II). <i>Bauhinia purpurea</i>
(C). Bottle Brush	(III). <i>Lagerstroemia flosreginae</i>
(D). Pride of India	(IV). <i>Callistemon lanceolatus</i>

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

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

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

Question No. 110 / Question ID 80001

Marks: 4.00

New National Education Policy (NEP) was launched on

- 29 July 2020
- 15 August 2020
- 26 January 2020
- 15 August 2021

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

Match List-I with List-II

List-I	List-II
(A). Alphonso	(I). Pulping and Canning
(B). Ramkela	(II). Processing
(C). Mallika	(III). Pickling
(D). Keasar	(IV). Pulping and juice concentrate

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

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

☒ 1 (Chosen Option)

☐ 2 3 4

☐
☐

Question No. 112 / Question ID 80073

Marks: 4.00

Given below are two statements:

Statement (I): Heat tolerant tropical cauliflowers show significantly high level of self-incompatibility.

Statement (II):The European annual or snowball types are basically self-compatible in nature.

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

- Both Statement (I) and Statement (II) are true.
- Both Statement (I) and Statement (II) are false.
- Statement (I) is true but Statement (II) is false.
- Statement (I) is false but Statement (II) is true.

☒ 1 (Chosen Option)

☐ 2 3 4

☐
☐

Question No. 113 / Question ID 80102

Marks: 4.00

Given below are two statements:

Statement (I): Garden suburbs are nothing but satellite townships developed among parks and avenues.

Statement (II): In the old congested cities, bio-aesthetic planning can be achieved by developing garden suburbs on the outskirts of the city easily approachable by vehicles.

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. 114 / Question ID 80047

Marks: 4.00

Papaya Variety Surya is an offspring of?

1. Washington × CO.1
2. CO.1 × Washington
3. CO-2 × Sunrise Solo
4. Sunrise Solo × Pink Flesh Sweet

☐ 1 2 3 4 (Chosen

☐ Option)

☐

☒

Question No. 115 / Question ID 80011

Marks: 4.00

Which phytohormone is regarded as an anti-stress promoter and growth bio-stimulator?

1. Jasmonic acid
2. 1-MCP
3. Melatonin
4. Prohexadione – Ca

☐ 1 2 (Chosen

☒ Option) 3 4

☐

☐

Question No. 116 / Question ID 80030

Marks: 4.00

Statement I: Mandarins are commonly known as loose skin orange.

Statement II: Hodgson classified mandarins into three groups- Satsuma, King and Willow leaf

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. 117 / Question ID 80117

Marks: 4.00

Arrange the following steps involved in hybridization of rose flower crop in correct orders?

- (A). Emasculation of flowers of female parents.
- (B). Pollination
- (C). Harvesting and storing of F_1 seeds
- (D). Bagging and tagging
- (E). Choice and evaluation of pollen and female parents.

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

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

☐ 1 2 (Chosen

☒ Option) 3 4

☐

☐

Question No. 118 / Question ID 80068

Marks: 4.00

What is the edible portion of cauliflower ?

1. Modified leaves
2. Modified flowers
3. Modified inflorescence
4. Modified stem

☐ 1 2 3 (Chosen

☐ Option)

☒

Question No. 119 / Question ID 80101

Marks: 4.00

Which of the following annuals can grow luxuriantly and produce flowers under high temperature?

- (A). Zinnia
- (B). Gaillardia
- (C). Gomphrena
- (D). Sweet william

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

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

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

Question No. 120 / Question ID 80114

Marks: 4.00

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

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

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

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

Exam Date: 29-06-2024

Exam Timing: 10:00 to 12:00

Subject: HORTICULTURE

Question ID	Correct Option ID	Question ID	Correct Option ID	Question ID	Correct Option ID
80001	1	80041	1	80081	2
80002	1	80042	4	80082	2
80003	3	80043	1	80083	2
80004	2	80044	3	80084	2
80005	3	80045	3	80085	4
80006	1	80046	2	80086	1
80007	4	80047	4	80087	4
80008	1	80048	2	80088	4
80009	3	80049	1	80089	1
80010	4	80050	2	80090	3
80011	3	80051	3	80091	1
80012	1	80052	2	80092	2
80013	4	80053	3	80093	4
80014	3	80054	4	80094	3
80015	3	80055	3	80095	1
80016	1	80056	1	80096	2
80017	2,4	80057	3	80097	2
80018	2	80058	2	80098	1
80019	1	80059	1	80099	2
80020	2	80060	4	80100	3
80021	1	80061	3	80101	3
80022	3	80062	2	80102	1
80023	3	80063	2	80103	3
80024	1	80064	3	80104	2
80025	2	80065	2	80105	3
80026	1	80066	4	80106	1
80027	1	80067	4	80107	4
80028	3	80068	3	80108	2
80029	1	80069	2	80109	2
80030	1	80070	3	80110	1
80031	1	80071	1	80111	2
80032	1	80072	1,2,3	80112	1
80033	3	80073	1	80113	4
80034	1	80074	1,4	80114	2
80035	4	80075	3	80115	3
80036	2	80076	3	80116	3
80037	2	80077	1	80117	2
80038	3	80078	1	80118	1
80039	3	80079	2	80119	3
80040	2	80080	4	80120	4