

# National Testing Agency

<b>Question Paper Name :</b>	Fruit Science and Pomology 23rd Sep 2020 Shift 2 Set 2
<b>Subject Name :</b>	Fruit Science and Pomology
<b>Creation Date :</b>	2020-09-23 19:33:35
<b>Duration :</b>	120
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<b>Display Marks:</b>	Yes
<b>Share Answer Key With Delivery Engine :</b>	Yes
<b>Actual Answer Key :</b>	Yes

## Fruit Science and Pomology

<b>Group Number :</b>	1
<b>Group Id :</b>	71087015
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	120
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	480
<b>Is this Group for Examiner? :</b>	No

## Part A General Knowledge

<b>Section Id :</b>	71087043
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	20

<b>Number of Questions to be attempted :</b>	20
<b>Section Marks :</b>	80
<b>Display Number Panel :</b>	Yes
<b>Group All Questions :</b>	Yes
<b>Mark As Answered Required? :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	71087043
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 1 Question Id : 7108701741 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

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

**Options :**

- 7108706961. 1
- 7108706962. 2
- 7108706963. 3
- 7108706964. 4

**Question Number : 2 Question Id : 7108701742 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

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

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

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

**Options :**

- 7108706965. 1
- 7108706966. 2
- 7108706967. 3
- 7108706968. 4

**Question Number : 3 Question Id : 7108701743 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Indian agriculture is typically characterized as

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

**Options :**

- 7108706969. 1



7108706970. 2

7108706971. 3

7108706972. 4

**Question Number : 4 Question Id : 7108701744 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

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

**Options :**

7108706973. 1

7108706974. 2

7108706975. 3

7108706976. 4

**Question Number : 5 Question Id : 7108701745 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**



Given below are two statements

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

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

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

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

**Options :**

- 7108706977. 1
- 7108706978. 2
- 7108706979. 3
- 7108706980. 4

**Question Number : 6 Question Id : 7108701746 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

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

**Options :**

- 7108706981. 1
- 7108706982. 2
- 7108706983. 3
- 7108706984. 4

**Question Number : 7 Question Id : 7108701747 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

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

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

**Options :**

- 7108706985. 1
- 7108706986. 2
- 7108706987. 3
- 7108706988. 4

**Question Number : 8 Question Id : 7108701748 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

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

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

**Options :**

7108706989. 1  
7108706990. 2  
7108706991. 3  
7108706992. 4

**Question Number : 9 Question Id : 7108701749 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

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

**Options :**

7108706993. 1  
7108706994. 2  
7108706995. 3  
7108706996. 4

**Question Number : 10 Question Id : 7108701750 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

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

**Options :**

7108706997. 1



7108706998. 2

7108706999. 3

7108707000. 4

**Question Number : 11 Question Id : 7108701751 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

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

**Options :**

7108707001. 1

7108707002. 2

7108707003. 3

7108707004. 4

**Question Number : 12 Question Id : 7108701752 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

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

**Options :**

7108707005. 1  
7108707006. 2  
7108707007. 3  
7108707008. 4

**Question Number : 13 Question Id : 7108701753 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

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

**Options :**

7108707009. 1  
7108707010. 2  
7108707011. 3  
7108707012. 4

**Question Number : 14 Question Id : 7108701754 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

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

**Options :**

- 7108707013. 1
- 7108707014. 2
- 7108707015. 3
- 7108707016. 4

**Question Number : 15 Question Id : 7108701755 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Where is the headquarters of European Union?

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

**Options :**

- 7108707017. 1
- 7108707018. 2
- 7108707019. 3
- 7108707020. 4

**Question Number : 16 Question Id : 7108701756 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

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



**Options :**

- 7108707021. 1
- 7108707022. 2
- 7108707023. 3
- 7108707024. 4

**Question Number : 17 Question Id : 7108701757 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

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

**Options :**

- 7108707025. 1
- 7108707026. 2
- 7108707027. 3
- 7108707028. 4

**Question Number : 18 Question Id : 7108701758 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

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

**Options :**

- 7108707029. 1
- 7108707030. 2
- 7108707031. 3
- 7108707032. 4

**Question Number : 19 Question Id : 7108701759 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Economic liberalization in India started with

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

**Options :**

- 7108707033. 1
- 7108707034. 2
- 7108707035. 3
- 7108707036. 4

**Question Number : 20 Question Id : 7108701760 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

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

**Options :**

- 7108707037. 1

7108707038. 2

7108707039. 3

7108707040. 4

## Part B Core Horticulture

<b>Section Id :</b>	71087044
<b>Section Number :</b>	2
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	50
<b>Number of Questions to be attempted :</b>	50
<b>Section Marks :</b>	200
<b>Display Number Panel :</b>	Yes
<b>Group All Questions :</b>	Yes
<b>Mark As Answered Required? :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	71087044
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 21 Question Id : 7108701761 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which of the following environmental conditions are favourable for tuberization in potato?

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

**Options :**

7108707041. 1

7108707042. 2



7108707043. 3

7108707044. 4

**Question Number : 22 Question Id : 7108701762 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following vegetables is mainly anemophilous in nature?

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

**Options :**

7108707045. 1

7108707046. 2

7108707047. 3

7108707048. 4

**Question Number : 23 Question Id : 7108701763 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

If crosses were made among eight parents in a half diallel mating system, how many total combinations of F1 will be generated?

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

**Options :**

7108707049. 1

7108707050. 2

7108707051. 3

7108707052. 4

**Question Number : 24 Question Id : 7108701764 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

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

**Options :**

- 7108707053. 1
- 7108707054. 2
- 7108707055. 3
- 7108707056. 4

**Question Number : 25 Question Id : 7108701765 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

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

**Options :**

- 7108707057. 1
- 7108707058. 2
- 7108707059. 3
- 7108707060. 4

**Question Number : 26 Question Id : 7108701766 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Chromosome number of sweet potato is

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

**Options :**

- 7108707061. 1
- 7108707062. 2
- 7108707063. 3
- 7108707064. 4

**Question Number : 27 Question Id : 7108701767 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Kashi Lalima is a newly developed variety of

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

**Options :**

- 7108707065. 1
- 7108707066. 2
- 7108707067. 3
- 7108707068. 4

**Question Number : 28 Question Id : 7108701768 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**



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

Bud necrosis disease of watermelon is spread by

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

**Options :**

7108707069. 1

7108707070. 2

7108707071. 3

7108707072. 4

**Question Number : 29 Question Id : 7108701769 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Cavity spot of carrot is associated with the deficiency of

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

**Options :**

7108707073. 1

7108707074. 2

7108707075. 3

7108707076. 4

**Question Number : 30 Question Id : 7108701770 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Phenotypic ratio observed in case of recessive epistasis is

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

**Options :**

7108707077. 1  
7108707078. 2  
7108707079. 3  
7108707080. 4

**Question Number : 31 Question Id : 7108701771 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Standford fig belongs to which group/ category?

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

**Options :**

7108707081. 1  
7108707082. 2  
7108707083. 3  
7108707084. 4

**Question Number : 32 Question Id : 7108701772 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which one of the following fruit crops is a member of Euphorbiaceae?

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

**Options :**

- 7108707085. 1
- 7108707086. 2
- 7108707087. 3
- 7108707088. 4

**Question Number : 33 Question Id : 7108701773 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following research centres has the largest collection of custard apple in India?

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

**Options :**

- 7108707089. 1
- 7108707090. 2
- 7108707091. 3
- 7108707092. 4

**Question Number : 34 Question Id : 7108701774 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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



A spur in almond remains productive for

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

**Options :**

- 7108707093. 1
- 7108707094. 2
- 7108707095. 3
- 7108707096. 4

**Question Number : 35 Question Id : 7108701775 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Prof. Dennis Gonsalves is associated with development of

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

**Options :**

- 7108707097. 1
- 7108707098. 2
- 7108707099. 3
- 7108707100. 4

**Question Number : 36 Question Id : 7108701776 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Cryptoxanthin and carotenoids are found prominently in

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

**Options :**

- 7108707101. 1
- 7108707102. 2
- 7108707103. 3
- 7108707104. 4

**Question Number : 37 Question Id : 7108701777 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Paclobutrazol is the most preferred growth retardant due to its

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

**Options :**

- 7108707105. 1
- 7108707106. 2
- 7108707107. 3
- 7108707108. 4

**Question Number : 38 Question Id : 7108701778 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

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

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

**Options :**

- 7108707109. 1
- 7108707110. 2
- 7108707111. 3
- 7108707112. 4

**Question Number : 39 Question Id : 7108701779 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Most effective control of soil nematodes in glasshouses is

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

**Options :**

- 7108707113. 1
- 7108707114. 2
- 7108707115. 3
- 7108707116. 4

**Question Number : 40 Question Id : 7108701780 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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



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

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

**Options :**

- 7108707117. 1
- 7108707118. 2
- 7108707119. 3
- 7108707120. 4

**Question Number : 41 Question Id : 7108701781 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

While hybridizing chrysanthemum flowers, the ideal stage for emasculation is

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

**Options :**

- 7108707121. 1
- 7108707122. 2
- 7108707123. 3
- 7108707124. 4

**Question Number : 42 Question Id : 7108701782 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

In protected cultivation of roses, prolonged exposure to low temperatures leads to

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

**Options :**

- 7108707125. 1
- 7108707126. 2
- 7108707127. 3
- 7108707128. 4

**Question Number : 43 Question Id : 7108701783 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

In protected cultivation of chrysanthemum, year-round commercial production is achieved by manipulating

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

**Options :**

- 7108707129. 1
- 7108707130. 2
- 7108707131. 3
- 7108707132. 4

**Question Number : 44 Question Id : 7108701784 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Widely used rootstock for commercial budding/grafting of roses is

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

**Options :**

- 7108707133. 1
- 7108707134. 2
- 7108707135. 3
- 7108707136. 4

**Question Number : 45 Question Id : 7108701785 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which one of the following grasses could be selected for the establishment of a lawn with very fine texture grass that gives soft carpet-like feel?

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

**Options :**

- 7108707137. 1
- 7108707138. 2
- 7108707139. 3
- 7108707140. 4

**Question Number : 46 Question Id : 7108701786 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**



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

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

**Options :**

- 7108707141. 1
- 7108707142. 2
- 7108707143. 3
- 7108707144. 4

**Question Number : 47 Question Id : 7108701787 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following flower crops is ideal as a dry flower?

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

**Options :**

- 7108707145. 1
- 7108707146. 2
- 7108707147. 3
- 7108707148. 4

**Question Number : 48 Question Id : 7108701788 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Betalain pigments can be isolated from

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

**Options :**

- 7108707149. 1
- 7108707150. 2
- 7108707151. 3
- 7108707152. 4

**Question Number : 49 Question Id : 7108701789 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following methods is the quickest for establishing a lawn?

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

**Options :**

- 7108707153. 1
- 7108707154. 2
- 7108707155. 3
- 7108707156. 4

**Question Number : 50 Question Id : 7108701790 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following software is widely used for 2-D and 3-D rendering of the garden designing?

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

**Options :**

- 7108707157. 1
- 7108707158. 2
- 7108707159. 3
- 7108707160. 4

**Question Number : 51 Question Id : 7108701791 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

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

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

**Options :**

- 7108707161. 1
- 7108707162. 2
- 7108707163. 3
- 7108707164. 4

**Question Number : 52 Question Id : 7108701792 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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



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

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

**Options :**

- 7108707165. 1
- 7108707166. 2
- 7108707167. 3
- 7108707168. 4

**Question Number : 53 Question Id : 7108701793 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

The famous dried product of '*Benincasa hispida*' is a

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

**Options :**

- 7108707169. 1
- 7108707170. 2
- 7108707171. 3
- 7108707172. 4

**Question Number : 54 Question Id : 7108701794 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

The most suitable grape variety for Champagne making is

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

**Options :**

- 7108707173. 1
- 7108707174. 2
- 7108707175. 3
- 7108707176. 4

**Question Number : 55 Question Id : 7108701795 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

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

**Options :**

- 7108707177. 1
- 7108707178. 2
- 7108707179. 3
- 7108707180. 4

**Question Number : 56 Question Id : 7108701796 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

'Sleepiness' in carnation is due to

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

**Options :**

- 7108707181. 1
- 7108707182. 2
- 7108707183. 3
- 7108707184. 4

**Question Number : 57 Question Id : 7108701797 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following is NOT a variety of coconut?

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

**Options :**

- 7108707185. 1
- 7108707186. 2
- 7108707187. 3
- 7108707188. 4

**Question Number : 58 Question Id : 7108701798 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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



The best RH and temperature combination for banana storage is

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

**Options :**

- 7108707189. 1
- 7108707190. 2
- 7108707191. 3
- 7108707192. 4

**Question Number : 59 Question Id : 7108701799 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

What is the third principle of HACCP?

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

**Options :**

- 7108707193. 1
- 7108707194. 2
- 7108707195. 3
- 7108707196. 4

**Question Number : 60 Question Id : 7108701800 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following is NOT a correct cross?

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

**Options :**

7108707197. 1  
7108707198. 2  
7108707199. 3  
7108707200. 4

**Question Number : 61 Question Id : 7108701801 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which one of the following is a hybrid black pepper variety?

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

**Options :**

7108707201. 1  
7108707202. 2  
7108707203. 3  
7108707204. 4

**Question Number : 62 Question Id : 7108701802 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Lanka ramakrishnae of black pepper is commonly known as

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

**Options :**

- 7108707205. 1
- 7108707206. 2
- 7108707207. 3
- 7108707208. 4

**Question Number : 63 Question Id : 7108701803 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following cinnamon varieties yields the highest (as a percentage) cinnamaldehyde in bark oil?

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

**Options :**

- 7108707209. 1
- 7108707210. 2
- 7108707211. 3
- 7108707212. 4

**Question Number : 64 Question Id : 7108701804 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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



Which one of the following is NOT a dwarf rootstock of apple ?

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

**Options :**

- 7108707213. 1
- 7108707214. 2
- 7108707215. 3
- 7108707216. 4

**Question Number : 65 Question Id : 7108701805 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

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

**Options :**

- 7108707217. 1
- 7108707218. 2
- 7108707219. 3
- 7108707220. 4

**Question Number : 66 Question Id : 7108701806 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Which one of the following types of oil palm has the thickest shell?

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

**Options :**

- 7108707221. 1
- 7108707222. 2
- 7108707223. 3
- 7108707224. 4

**Question Number : 67 Question Id : 7108701807 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following palm types is the most primitive?

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

**Options :**

- 7108707225. 1
- 7108707226. 2
- 7108707227. 3
- 7108707228. 4

**Question Number : 68 Question Id : 7108701808 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Tea cultivation was first introduced in India in the year

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

**Options :**

- 7108707229. 1
- 7108707230. 2
- 7108707231. 3
- 7108707232. 4

**Question Number : 69 Question Id : 7108701809 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following varieties of Ajwain is the most late-maturing?

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

**Options :**

- 7108707233. 1
- 7108707234. 2
- 7108707235. 3
- 7108707236. 4

**Question Number : 70 Question Id : 7108701810 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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



Which one of the following is NOT a variety of Cashew?

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

**Options :**

7108707237. 1  
7108707238. 2  
7108707239. 3  
7108707240. 4

## Part C Fruit Science and Pomology

<b>Section Id :</b>	71087045
<b>Section Number :</b>	3
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	50
<b>Number of Questions to be attempted :</b>	50
<b>Section Marks :</b>	200
<b>Display Number Panel :</b>	Yes
<b>Group All Questions :</b>	Yes
<b>Mark As Answered Required? :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	71087045
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 71 Question Id : 7108701811 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Phyllanthoid branching pattern is found in

1. *Aonla*
2. *Karonda*
3. Date palm
4. *Phalsa*

**Options :**

- 7108707241. 1
- 7108707242. 2
- 7108707243. 3
- 7108707244. 4

**Question Number : 72 Question Id : 7108701812 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following fruits has the maximum Vitamin C content?

1. Citrus
2. Guava
3. Apple
4. Rambutan

**Options :**

- 7108707245. 1
- 7108707246. 2
- 7108707247. 3
- 7108707248. 4

**Question Number : 73 Question Id : 7108701813 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Litchi was introduced in India during

1. 4<sup>th</sup> century
2. 12<sup>th</sup> century
3. 16<sup>th</sup> century
4. 18<sup>th</sup> century

**Options :**

7108707249. 1  
7108707250. 2  
7108707251. 3  
7108707252. 4

**Question Number : 74 Question Id : 7108701814 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following citrus is having loose skinned fruits?

1. Mosambi
2. Kinnow mandarin
3. Nagpur mandarin
4. Grapefruit

**Options :**

7108707253. 1  
7108707254. 2  
7108707255. 3  
7108707256. 4

**Question Number : 75 Question Id : 7108701815 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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



Greening disease is common in which one of the following fruit crops?

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

**Options :**

- 7108707257. 1
- 7108707258. 2
- 7108707259. 3
- 7108707260. 4

**Question Number : 76 Question Id : 7108701816 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Papaya ring spot virus is commonly transmitted by

1. Aphids
2. Jassids
3. Moths
4. White Flies

**Options :**

- 7108707261. 1
- 7108707262. 2
- 7108707263. 3
- 7108707264. 4

**Question Number : 77 Question Id : 7108701817 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

In which one of the following fruit crops, parthenogenesis phenomenon has been reported?

1. Litchi
2. Jackfruit
3. Grape
4. Mangosteen

**Options :**

7108707265. 1  
7108707266. 2  
7108707267. 3  
7108707268. 4

**Question Number : 78 Question Id : 7108701818 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which of the following fruit crops of Rosaceae family is evergreen in nature?

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

**Options :**

7108707269. 1  
7108707270. 2  
7108707271. 3  
7108707272. 4

**Question Number : 79 Question Id : 7108701819 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

The largest section of *Mangifera* genus which has the maximum number of species is

1. Mangifera Ding Hou
2. Mangifera Rawa
3. Mangifera Kosterman
4. Mangifera Marchandora

**Options :**

- 7108707273. 1
- 7108707274. 2
- 7108707275. 3
- 7108707276. 4

**Question Number : 80 Question Id : 7108701820 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following planting systems results in maximum availability of sunlight to trees?

1. North-South orientation in rectangular system
2. North-South orientation in triangular system
3. East-West orientation in rectangular system
4. East-West orientation in triangular system

**Options :**

- 7108707277. 1
- 7108707278. 2
- 7108707279. 3
- 7108707280. 4

**Question Number : 81 Question Id : 7108701821 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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



Hand pollination is a recommended cultural practice in which one of the following fruit crops?

1. Jackfruit
2. Date Palm
3. Grapes
4. Mangosteen

**Options :**

- 7108707281. 1
- 7108707282. 2
- 7108707283. 3
- 7108707284. 4

**Question Number : 82 Question Id : 7108701822 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Fruits of *bael* are botanically

1. Amphisarca
2. Hesperidium
3. Balausta
4. Sorosis

**Options :**

- 7108707285. 1
- 7108707286. 2
- 7108707287. 3
- 7108707288. 4

**Question Number : 83 Question Id : 7108701823 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

National Bio-diversity Authority of India has its Headquarters at

1. Lucknow
2. Bengaluru
3. Chennai
4. Hyderabad

**Options :**

- 7108707289. 1
- 7108707290. 2
- 7108707291. 3
- 7108707292. 4

**Question Number : 84 Question Id : 7108701824 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following is a yellow coloured variety of Kiwi fruit?

1. Hort. 16A
2. Allison
3. Abbot
4. Hayward

**Options :**

- 7108707293. 1
- 7108707294. 2
- 7108707295. 3
- 7108707296. 4

**Question Number : 85 Question Id : 7108701825 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following fruit crops is a Long Day plant?

1. Papaya
2. Strawberry
3. Banana
4. Passion fruit

**Options :**

7108707297. 1  
7108707298. 2  
7108707299. 3  
7108707300. 4

**Question Number : 86 Question Id : 7108701826 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

In which fruit crop, the fruit buds are borne laterally which unfold to produce leafy shoots with flower clusters in leaf axil?

1. Guava
2. Ber
3. Cashew nut
4. Fig

**Options :**

7108707301. 1  
7108707302. 2  
7108707303. 3  
7108707304. 4

**Question Number : 87 Question Id : 7108701827 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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



Which one of the following honey bee species is reared for enhancing pollination in apple?

1. *Apis mellifera*
2. *Apis dorsata*
3. *Apis cerana-indica*
4. *Apis florea*

**Options :**

- 7108707305. 1
- 7108707306. 2
- 7108707307. 3
- 7108707308. 4

**Question Number : 88 Question Id : 7108701828 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Coco-peat, a growing medium, has a porosity of

1. 5-10%
2. 10-15%
3. 25-30%
4. 50-55%

**Options :**

- 7108707309. 1
- 7108707310. 2
- 7108707311. 3
- 7108707312. 4

**Question Number : 89 Question Id : 7108701829 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

'Degrain' disorder in banana is due to

1. High N : P ratio
2. Low N : P ratio
3. High Na : Ca ratio
4. High Na : K ratio

**Options :**

- 7108707313. 1
- 7108707314. 2
- 7108707315. 3
- 7108707316. 4

**Question Number : 90 Question Id : 7108701830 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following nutrient elements is NOT involved in the bodybuilding of a plant?

1. Nitrogen
2. Potassium
3. Phosphorus
4. Magnesium

**Options :**

- 7108707317. 1
- 7108707318. 2
- 7108707319. 3
- 7108707320. 4

**Question Number : 91 Question Id : 7108701831 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Geographical Indication (GI) of Kesar mango has been obtained by

1. Gujarat
2. Maharashtra
3. Karnataka
4. Tamil Nadu

**Options :**

- 7108707321. 1
- 7108707322. 2
- 7108707323. 3
- 7108707324. 4

**Question Number : 92 Question Id : 7108701832 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Thickness of cladding material for polyhouses is

1. <100 gsm
2. 100-150 gsm
3. 200-250 gsm
4. 500 gsm

**Options :**

- 7108707325. 1
- 7108707326. 2
- 7108707327. 3
- 7108707328. 4

**Question Number : 93 Question Id : 7108701833 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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



Meadow orcharding was first time successfully demonstrated in which one of the following fruit crops?

1. Guava
2. Apple
3. Peach
4. Grape

**Options :**

7108707329. 1  
7108707330. 2  
7108707331. 3  
7108707332. 4

**Question Number : 94 Question Id : 7108701834 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Recurrent apomixis is a common phenomenon in

1. Citrus
2. Jamun
3. Mango
4. Apple

**Options :**

7108707333. 1  
7108707334. 2  
7108707335. 3  
7108707336. 4

**Question Number : 95 Question Id : 7108701835 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following apple species produces apomictic seeds?

1. *Malus floribanda*
2. *Malus hupehensis*
3. *Malus baccata*
4. *Malus sieversii*

**Options :**

7108707337. 1  
7108707338. 2  
7108707339. 3  
7108707340. 4

**Question Number : 96 Question Id : 7108701836 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Which one of the following fruit crops has a dichotomous branching pattern?

1. *Ber*
2. *Lasoda*
3. *Karonda*
4. *Aonla*

**Options :**

7108707341. 1  
7108707342. 2  
7108707343. 3  
7108707344. 4

**Question Number : 97 Question Id : 7108701837 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

*Colaspis* sp. is commonly known as

1. Citrus leaf minor
2. Orange trunk borer
3. White grub
4. Leaf and fruit scaring beetle

**Options :**

- 7108707345. 1
- 7108707346. 2
- 7108707347. 3
- 7108707348. 4

**Question Number : 98 Question Id : 7108701838 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

The developmental stage of fruit codling moth which is most damaging to fruit crops is

1. Egg
2. Caterpillar
3. First Instar Larvae
4. Adult

**Options :**

- 7108707349. 1
- 7108707350. 2
- 7108707351. 3
- 7108707352. 4

**Question Number : 99 Question Id : 7108701839 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**



Wild pomegranate type, known as 'Daru', is resistant to

1. Bacterial blight
2. Anthracnose
3. Grey arils formation
4. Fruit cracking

**Options :**

- 7108707353. 1
- 7108707354. 2
- 7108707355. 3
- 7108707356. 4

**Question Number : 100 Question Id : 7108701840 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Emergence of vegetative flush in mango during flowering, is an indication of

1. Regular bearing
2. Alternate bearing
3. Late Maturity
4. Early Maturity

**Options :**

- 7108707357. 1
- 7108707358. 2
- 7108707359. 3
- 7108707360. 4

**Question Number : 101 Question Id : 7108701841 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical**

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

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

**Assertion A:** Crab apples are used as pollinizer in apple orchards

**Reason R:** Crab apples have profuse and overlapping flowering with the main crop

In the 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

**Options :**

7108707361. 1

7108707362. 2

7108707363. 3

7108707364. 4

**Question Number : 102 Question Id : 7108701842 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is**

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

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

Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

**Assertion A:** Indigenous apple variety 'Ambri' cannot be cultivated in other parts of the country except for Jammu & Kashmir

**Reason R:** 'Ambri' apple has a very low chilling requirement

In the 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

**Options :**

7108707365. 1

7108707366. 2

7108707367. 3

7108707368. 4

**Question Number : 103 Question Id : 7108701843 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**



Given below are two statements, one is labelled as **Assertion A** and the other is labelled as **Reason R**

**Assertion A:** Simple Sequence Repeat Markers (SSRs) are very useful in Marker-Assisted Breeding of fruit crops

**Reason R:** SSRs are dominant markers

In the 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

**Options :**

7108707369. 1

7108707370. 2

7108707371. 3

7108707372. 4

**Question Number : 104 Question Id : 7108701844 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Arrange the steps involved in somatic hybridization sequentially

- A. Isolation of protoplast
- B. Suspension culture
- C. Isolation of somatic hybrids/ cybrids
- D. Protoplast fusion
- E. Callus mass

Choose the correct answer from the options given below

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

**Options :**

- 7108707373. 1
- 7108707374. 2
- 7108707375. 3
- 7108707376. 4

**Question Number : 105 Question Id : 7108701845 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Arrange the steps involved in conducting a Polymerase Chain Reaction (PCR)

- A. DNA quantification
- B. Imaging and scoring
- C. Amplification
- D. Gel electrophoresis
- E. DNA isolation and purification

Choose the correct answer from the options given below

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

**Options :**

- 7108707377. 1
- 7108707378. 2
- 7108707379. 3
- 7108707380. 4

**Question Number : 106 Question Id : 7108701846 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**



Arrange the biochemical changes in fruit pigments during ripening in sequence

- A. Ethylene
- B. Phytochrome (Pfr)
- C. Phytochrome (Pr)
- D. Carotenoids
- E. Chlorophyll breakdown

Choose the correct answer from the options given below:

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

**Options :**

- 7108707381. 1
- 7108707382. 2
- 7108707383. 3
- 7108707384. 4

**Question Number : 107 Question Id : 7108701847 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Given below are two statements

**Statement I:** Persimmon has more than 1000 hours chilling requirement

**Statement II:** Walnut has only 200-500 hours of chilling requirement

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

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

**Options :**

7108707385. 1

7108707386. 2

7108707387. 3

7108707388. 4

**Question Number : 108 Question Id : 7108701848 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

Given below are two statements

**Statement I:** Ethrel application raises the level of ABA which initiate ripening by ethylene production.

**Statement II:** There is a sudden upsurge in respiration rate in the grape at ripening

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

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

**Options :**

7108707389. 1

7108707390. 2

7108707391. 3

7108707392. 4

**Question Number : 109 Question Id : 7108701849 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**



Given below are two statements

**Statement I:** Vigour of Malling rootstocks in descending order is  $M_7 > M_1 > M_2$

**Statement II:** Vigour of Malling rootstocks in descending order is  $M_{12} > M_{13} > M_5$

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

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

**Options :**

7108707393. 1

7108707394. 2

7108707395. 3

7108707396. 4

**Question Number : 110 Question Id : 7108701850 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is**

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

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

Given below are two statements

**Statement I:** *Citrus unshiu* is a highly polyembryonic species of Chinese origin

**Statement II:** Flying dragon is a vigorous and salt-tolerant citrus rootstock

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

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

**Options :**

7108707397. 1

7108707398. 2

7108707399. 3

7108707400. 4

**Question Number : 111 Question Id : 7108701851 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is**

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

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

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

<b>List I</b>	<b>List II</b>
<b>Vitis species</b>	<b>Resistant to pests/diseases</b>
A. <i>V. rupestris</i>	I. Nematodes
B. <i>V. simpsoni</i>	II. Downey mildew
C. <i>V. amurensis</i>	III. Phylloxera
D. <i>V. dodoniana</i>	IV. Pierce's disease

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

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

**Options :**

- 7108707401. 1
- 7108707402. 2
- 7108707403. 3
- 7108707404. 4

**Question Number : 112 Question Id : 7108701852 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**



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

<b>List I</b>	<b>List II</b>
<b>Mango variety</b>	<b>Country of origin</b>
A. Tommy Atkins	I. Philippines
B. Primor-de-Amoreria	II. Thailand
C. Crabao	III. Brazil
D. Nam-doc-Mai	IV. USA

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

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

**Options :**

- 7108707405. 1
- 7108707406. 2
- 7108707407. 3
- 7108707408. 4

**Question Number : 113 Question Id : 7108701853 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

<b>List I</b>	<b>List II</b>
<b>Mango hybrids</b>	<b>Parentage</b>
A. Arka Anmol	I. Alphanso x Neelum
B. Arka Arun	II. Alphanso x Banganapalli
C. Arka Neelkiran	III. Alphanso x Janardan Pasand
D. Arka Puneet	IV. Banganapalli x Alphanso

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

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

**Options :**

- 7108707409. 1
- 7108707410. 2
- 7108707411. 3
- 7108707412. 4

**Question Number : 114 Question Id : 7108701854 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

<b>List I</b>	<b>List II</b>
<b>Banana variety</b>	<b>Genomic group</b>
A. Goldfinger	I. AAAB
B. Atan	II. AABB
C. Bluggoe	III. AAB
D. Nendran	IV. ABB

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

**Options :**

- 7108707413. 1
- 7108707414. 2
- 7108707415. 3
- 7108707416. 4

**Question Number : 115 Question Id : 7108701855 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**



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

Inter-generic hybrids	Parentage
A. Citrumquat	I. Grapefruit x <i>Poncirus</i> .
B. Citrangequat	II. <i>Poncirus</i> x Sour orange
C. Citradia	III. <i>Poncirus</i> x Kumquat
D. Citrumelo	IV. Citrange x Kumquat

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

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

**Options :**

7108707417. 1

7108707418. 2

7108707419. 3

7108707420. 4

**Question Number : 116 Question Id : 7108701856 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is**

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

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

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

<b>List I</b>	<b>List II</b>
<b>Citrus genotype</b>	<b>Citrus group</b>
A. Morton	I. Tangerine
B. Minneola	II. Citrumelo
C. Swingle	III. Tangelo
D. Sunburst	IV. Citrange

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

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

**Options :**

7108707421. 1  
7108707422. 2  
7108707423. 3  
7108707424. 4

**Question Number : 117 Question Id : 7108701857 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

<b>List I</b>	<b>List II</b>
<b>Fruit crops</b>	<b>Physiological disorders</b>
A. Mangosteen	I. Albinism
B. Strawberry	II. Fasciation
C. Pineapple	III. Millearndage
D. Grape	IV. Gamboge

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

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

**Options :**

- 7108707425. 1
- 7108707426. 2
- 7108707427. 3
- 7108707428. 4

**Question Number : 118 Question Id : 7108701858 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**



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

<b>List I</b>	<b>List II</b>
<b>Fruit crops</b>	<b>Place of origin</b>
A. Carambola	I. Uruguay
B. Mangosteen	II. China
C. Loquat	III. Malay Archipelago
D. Passion fruit	IV. Malaysia

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

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

**Options :**

7108707429. 1  
7108707430. 2  
7108707431. 3  
7108707432. 4

**Question Number : 119 Question Id : 7108701859 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

<b>List I</b>	<b>List II</b>
<b>Fruit crop</b>	<b>Storage temperature (°C)</b>
A. Grapefruit	I. 0 - 1.1
B. Lime and lemon	II. 4 - 5
C. Sweet Orange	III. 8 - 10
D. Mandarin	IV. 10 - 15

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

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

**Options :**

- 7108707433. 1
- 7108707434. 2
- 7108707435. 3
- 7108707436. 4

**Question Number : 120 Question Id : 7108701860 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical Correct Marks : 4 Wrong Marks : 1**

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

<b>List I</b>	<b>List II</b>
<b>PGR</b>	<b>Commercial Use</b>
A. GA <sub>3</sub>	I. Hastening of bud burst
B. 2,4,5- T	II. Ripening
C. Dormex	III. Berry elongation
D. Ethephon	IV. Reducing fruit drop

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

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

**Options :**

7108707437. 1  
7108707438. 2  
7108707439. 3  
7108707440. 4