

PREVIEW QUESTION BANK

Module Name : Fruit Science - 13-ENG
Exam Date : 29-Jun-2024 Batch : 14:30-16:30

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	201	Movement of DNA from one bacterium to another through a tubular bridge or pilus: 1. Conjugation 2. Transposition 3. Transfection 4. Transduction A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
2	202	Which of the following is responsible for eliminating toxic oxygen by-products from cells? 1. Mitochondria 2. Golgi complex 3. Peroxisomes 4. Chloroplasts A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
3	203	A form of multiple parasitism in which a parasite preferentially attacks a host that is already parasitized by another species is known as 1. Cleptoparasitism 2. Ectoparasitoid 3. Obligate parasitism 4. Superparasitism A1 : 1	4.0	1.00

		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

4	204	For mass multiplication of DD-136 nematode, the common host used is 1. Silk moth 2. Fruit sucking moth 3. Codling moth 4. Lesser wax moth A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

5	205	Chlorpyrifos methyl is effective against stored product insects except 1. <i>Rhizopertha dominica</i> 2. <i>Tribolium castaneum</i> 3. <i>Caryedon serratus</i> 4. <i>Oryzaephilus surinamensis</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

6	206	Which of the following insects often cause inhalational allergies in human following large emergence of adult insects. 1. Stick insects 2. May flies 3. Ear wigs 4. Preying mantis A1 : 1 A2 : 2	4.0	1.00
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A3 : 3

A4 : 4

Objective Question

7 207

4.0 1.00

Given below are two statements:

Statement (I): Climate is a weather condition related to smaller areas at a given place and at a given time,

Statement (II): Weather is a condition of atmosphere at a given place and at a given time

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

8 208

4.0 1.00

The local name of cyclone in Philippines is

1. Hurricane
2. Cyclone
3. Baquio
4. Typhoon

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

9 209

4.0 1.00

Which one of the following are secondary tillage implements?

- (A) Subsoiler
- (B) Cultivator
- (C) Disc harrow
- (D) Wetland plough

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

10 210

_____ is the most suitable, drought resistant and persistent grass?

- 1. *Alyosia* sp.
- 2. *Cenchrus ciliaris*
- 3. *Stylosanthes hamata*
- 4. *Sorghum bicolor*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

11 211

The rainfed area in India is approximately

- 1. 30 mha
- 2. 40 mha
- 3. 57 mha
- 4. 70 mha

A1 : 1

A2 : 2

4.0 1.00

		A3 : 3		
		A4 : 4		
Objective Question				
12	212	Which nutrient is often a limiting factor in agricultural production? 1. Nitrogen 2. Carbon 3. Oxygen 4. Hydrogen A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
13	213	What is a potential disadvantage of agroforestry systems? 1. Increased soil erosion 2. Decreased carbon sequestration 3. Reduced biodiversity 4. Enhanced susceptibility to pests A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
14	214	Pungency in mustard oil is due to 1. Amino acid 2. Allyl isothiocyanate 3. Erusic acid 4. Oxalic acid A1 : 1 A2 : 2	4.0	1.00

		A3 : 3		
		A4 : 4		
Objective Question				
15	215	Sesamum belongs to the family 1. Chenopodiaceae 2. Papilionaceae 3. Leguminosae 4. Pedaliaceae A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
16	216	Dark period is critical in which type of plant? 1. Short day plant 2. Long day plant 3. Day neutral plant 4. All the options A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
17	217	Which of the following is NOT a significant contributor to greenhouse gas emissions from livestock farming? 1. Carbon dioxide 2. Methane 3. Nitrous oxide 4. Ammonia A1 : 1 A2 : 2 A3 : 3	4.0	1.00

A4 : 4

Objective Question

18	218	Fe deficiency is mostly seen in crops growing on 1. Calcareous or alkaline soils 2. Salt affected soils 3. Acidic soils 4. Neutral soils A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

19	219	EDV (Essentially Derived Varieties) are those which are derived from: 1. crossing two commercially known varieties 2. hybrid introduced from other countries 3. existing variety through genetic engineering or mutation 4. crossing commercially known variety with its wild relative A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

20	220	What is the role of "companion planting" in agriculture? 1. Enhancing soil fertility through crop rotation 2. Growing different crop species together to deter pests 3. Cultivating plants in hydroponic system 4. Increasing soil compaction through cover cropping A1 : 1 A2 : 2 A3 : 3	4.0	1.00
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		A4 : 4		
Objective Question				
21	1401	Which of the following vegetable crop is medium deep rooted? 1. Onion 2. Asparagus 3. Chilli 4. French bean A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
22	1402	The deficiency of which nutrient cause cavity spot of carrot? 1. B 2. Ca 3. Mo 4. Zn A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
23	1403		4.0	1.00

Match List-I with List-II (Major growing state with respective vegetable crops)

List-I	List-II
(State)	(Crop)
(A). Brinjal	(I). Gujarat
(B). Cassava	(II). Uttar Pradesh
(C). Potato	(III). Tamil Nadu
(D). Beans	(IV). West Bengal

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

24	1404	What is the seed rate of hybrids of tomato (g/ha) which is required in raised bed methods?	4.0	1.00
		50-75 75-100 100-125 150-200		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

25	1405		4.0	1.00
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Given below are two statements:

Statement (I): Elongated root or forking disorder of radish is characterized by dark spots usually appear on the root.

Statement (II): This disorder is the result of excess moisture during root development and also occurs in heavy soils due to soil compactness.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

26	1406	The seed plot technique (SPT) of potato is specifically developed for the production of: 1. Virus free seed tubers in plains 2. Virus free main crop of potato in plains 3. Nursery raising of true potato seeds in small plots 4. Virus free seed tuber production in hill region A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

27	1407	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Temperate carrots form roots both under temperate and tropical climates but produce seeds only under temperate condition. Reason (R) : Temperate carrots require low temperature of 5 - 8 °C for 40 - 60 days for bolting and flowering. In light of the above statements, choose the <i>correct</i> 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.	4.0	1.00
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		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

281408

4.01.00

Match List-I with List-II

List-I	List-II
Vegetable Crop	Variety
(A). Carrot	(I). Pusa Meghna
(B). Cauliflower	(II). Pusa Vrishti
(C). Garden pea	(III). Arka Sujat
(D). Ridge gourd	(IV). Pusa Shree

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

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

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

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

29	1409		4.0	1.00
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Identify the correct sequence of the varieties based on maturity groups in cauliflower i.e early to late

- A. Pusa Sharad
 B. Pusa Meghna
 C. Pusa Snowball K-1
 D. Pusa Paushja
1. (A), (B), (C), (D)
 2. (B), (A), (D), (C)
 3. (B), (A), (C), (D)
 4. (A), (B), (D), (C)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

30 1410

What is the desirable thickness of plastic mulches for use in horticultural crops?

1. 75-100 micron
 2. 50 -75 micron
 3. 10-25 micron
 4. 150-200 micron

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

31 1411

Which form of the chimera is considered most stable?

1. Sectorial
 2. Periclinal
 3. Mericlinal
 4. Scattered Sectorial

A1 : 1

A2 : 2

4.0 1.00

		A3 : 3		
		A4 : 4		

Objective Question

32	1412	Which of the following pigment is responsible for the pink colouration in guava pulp? 1. Anthocyanin 2. Xanthophyll 3. Delipidn 4. Lycopene A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

33	1413	Mesophyll collapse is a physiological disorder of 1. Litchi 2. Longan 3. Grapefruit 4. Rambutan A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

34	1414	Which of the following Indian institute, recently completed the genome sequencing of jamun tree? 1. NABI, Mohali 2. IISER, Bhopal 3. NIPB, New Delhi 4. CSIR-IHBT, Palampur A1 : 1 A2 : 2 A3 : 3	4.0	1.00
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A4 : 4

Objective Question

35	1415	The term albedo is associated with _____ 1. Citrus 2. Mango 3. Apple 4. Pear A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

36	1416	Which of the following Indian state has recently got GI tag for growing Mankurad Mango? 1. Maharastra 2. Uttar Pradesh 3. Kerala 4. Goa A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

37	1417	Alemow is a rootstock used for which fruit crop? 1. Mango 2. Citrus 3. Guava 4. Sapota A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

38	1418	Which of the the following fruit crop tolerates extreme soil P ^H (up to 10)?	4.0	1.00
		1. Jamun 2. Banana 3. Jackfruit 4. Mango		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

39	1419	The word "Crab" is associated with	4.0	1.00
		1. Banana 2. Apple 3. Citrus 4. Walnut		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

40	1420	Fig is commercially propagated through ____	4.0	1.00
		1. Offsets 2. Runner 3. Sucker 4. Hardwood cutting		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

41	1421	Litchi fruit reaches optimum harvest maturity when total soluble solids : titratable acidity ratio reaches 1. 10 2. 20 3. 30 4. 40 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

42	1422	Which of the following mechanical textural attributes denote the response of a fruit/vegetable to different types of forces? (A). Mealiness (B). Crunchiness (C). Cohesiveness (D). Grittiness Choose the correct answer from the options given below: 1. (A) and (D) only. 2. (A) and (B) only. 3. (B) and (C) only. 4. (A), (B) and (C) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

43	1423	Which of the following is NOT a postharvest quarantine treatment? 1. Vapour heat treatment 2. Irradiation treatment 3. Sulphitation treatment 4. Hot water treatment A1 : 1 A2 : 2	4.0	1.00
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A3 : 3

A4 : 4

Objective Question

44 1424

4.0 1.00

Which of the following chemical is **NOT** used for in-package "humidity buffering"?

1. Ethoxyquin
2. Potassium chloride
3. Sorbitol
4. Bentonite

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

45 1425

4.0 1.00

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

List-I	List-II
(Commodity)	(Effects of ethylene)
(A). <i>Daucus carota</i>	(I). Toughness
(B). <i>Dianthus caryophyllus</i>	(II). Isocoumarin formation
(C). <i>Asparagus officinalis</i>	(III). Russet spotting
(D). <i>Lactuca sativa</i>	(IV). Sleepiness

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question				
46	1426	Which of the following fruit is widely used for minimal processing? 1. Pomegranate 2. Passion fruit 3. Kiwifruit 4. Apple A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
47	1427	Which of the following chemical is used in 'Grape Guard'? 1. Potassium permanganate 2. Sodium metabisulfite 3. Potassium metabisulfite 4. Calcium sulfate A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
48	1428	Which part of periwinkle herb is a rich source of indole alkaloid 'ajmalicine'? 1. Leaves 2. Flower 3. Stem 4. Root A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
49	1429		4.0	1.00

Given below are two statements:

Statement (I): The most common visible chilling injury symptom in fruit is skin pitting.

Statement (II): Intermittent warming of produce for a short period aggravates the incidence of chilling injury.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

50 1430

4.0 1.00

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

List-I	List-II
(Product)	(Maximum moisture content)
(A). Pistachio nut	(I). 3 per cent
(B). Raisins	(II). 15 per cent
(C). Dates	(III). 7 per cent
(D). Grated Desiccated Coconut	(IV). 30 per cent

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

51	1431	The causal organism of Inflorescence blight disease of marigold is 1. <i>Rhizoctonia solani</i> 2. <i>Alternaria zinniae</i> 3. <i>Leveillula taurica</i> 4. <i>Fusarium oxysporum</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

52	1432	Which of the following is the quickest method of lawn establishment? 1. Seeding 2. Dribbling 3. Turf plastering 4. Turfing A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

53	1433	A special kind of dried floral arrangement, which is a mixture of sweet smelling leaves, spices, seeds, roots and distilled essential oils filled in sachets is known as 1. Potpourris 2. Buttonhole 3. Veni 4. Garland A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

54	1434		4.0	1.00
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		'Manali' is a mutant variety of which of the following flower crop? 1. Chrysanthemum 2. Dahlia 3. Rose 4. Gladiolus A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
55	1435	According to Society of American Florists (SAF) what does Blue, Red and Green represents? 1. Disease index 2. Harvest index 3. Storage parameters 4. Grade A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
56	1436	Which of the following is a non-fragrant loose flower crop? 1. <i>Jasminum gradiflorum</i> 2. <i>Polianthes tuberosa</i> 3. <i>Crossandra infundibuliformis</i> 4. <i>Tabernaemontana divaricata</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
57	1437		4.0	1.00

		Which of the following method uses an ideal solvent Carbon dioxide (CO₂) for extracting essential oils from flower crops? 1. Expression 2. Enfleurage 3. Supercritical Fluid Extraction 4. Maceration A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
58	1438	Which of the following orchid genus is known by name Lady's Slippers Orchid? 1. <i>Cymbidium</i> 2. <i>Paphiopedilum</i> 3. <i>Phalaenopsis</i> 4. <i>Cattleya</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
59	1439	Which of the following ornamental is highly suited for hedge purposes? 1. <i>Iresene herbstii</i> 2. <i>Wadelia triloba</i> 3. <i>Clerodendron inerme</i> 4. <i>Alternanthera amabilis</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
60	1440		4.0	1.00

		'Star Gazer' is a variety of Lilium belongs to which of the following group? 1. Asiatic lily 2. Oriental lily 3. LA (Longiflorum × Asiatic) 4. LO (Longiflorum × Oriental) A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
61	1441	Shivalik is a variety of 1. Mint 2. Isabgol 3. Opium Poppy 4. Aloe vera A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
62	1442	The chief medicinal compound present in the roots of Safed musli is 1. Reserpine 2. Ajmolin 3. Saponin 4. Terpene A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
63	1443		4.0	1.00

Senna belongs to family

1. Rubiaceae
2. Fabaceae
3. Apocynaceae
4. Lamiaceae

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

64 1444

4.0 1.00

Match List-I with List-II

List-I	List-II
(Crop)	(Family)
(A). Lemongrass	(I). Araceae
(B). Basil	(II). Oleaceae
(C). Acorus	(III). Lamiaceae
(D). Jasmine	(IV). Poaceae

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

65 1445

4.0 1.00

Which of the following statement(s) is/are correct with respect to *Justicia adhatoda* (*Adhatoda vasica*)?

- (A) It belongs to the family Acanthaceae.
- (B) India is considered as the native of this crop.
- (C) Botanically is an herb.
- (D) The plant regenerates primarily through vegetative means.
- (E) The principle alkaloid found from vasaka is vasicine.
- (F) Minor alkaloids contain andrographolides.

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

66	1446	The Term "Arabica" is associated with which crop? 1. Black pepper 2. Coffee 3. Oil palm 4. Tea	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

67	1447	Which of the following Coconut variety is suitable for tender nut? 1. COD 2. WCT 3. ECT 4. MYD	4.0	1.00
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		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

68	1448	Allyl-propyl disulphide is responsible for the pungency of 1. Mustard 2. Leek 3. Garlic 4. Onion A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

69	1449	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A): Skiffing is an important type of pruning and mostly practised in tea. Reason (R): Skiffing is mostly done for induction of more vegetative growth. 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. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

70	1450		4.0	1.00
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Given below are two statements:

Statement (I): Tea mosquito bug is an important pest of tea.

Statement (II): Tea mosquito bug is also an important pest of cashewnut.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

71	1000701	The 'tunica' constituted with the cell layer (s) 1. L1 only 2. L2 only 3. L1 and L2 only 4. L1, L2 and L3 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

72	1000702	Which of the following type of inheritance was found for susceptibility of bacterial canker in mango? 1. Recessive 2. Dominance 3. Three independent complementary genes 4. Cytoplasmic A1 : 1 A2 : 2 A3 : 3	4.0	1.00
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A4 : 4

Objective Question

73	1000703	Guava was introduced in India during the century? 1. 15th 2. 16th 3. 17th 4. 18th A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

74	1000704	Abnormal leaf fall is severe problem in 1. Apple 2. Guava 3. Citrus 4. Mango A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

75	1000705	Given below are two statements: Statement (I): Simple fruits develops from a single flower possessing one or more syncarpous carpal. Statement (II): Aggregate fruit developed from a single flower having apocarpous pistils. In light of the above statements, choose the <i>most appropriate</i> answer from the options given below. 1. Both Statement (I) and Statement (II) are correct. 2. Both Statement (I) and Statement (II) are incorrect. 3. Statement (I) is correct but Statement (II) is incorrect. 4. Statement (I) is incorrect but Statement (II) is correct. A1 : 1	4.0	1.00
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A2 : 2

A3 : 3

A4 : 4

Objective Question

76 1000706

4.0

1.00

Match List-I with List-II for ploidy levels of *Malus* species

List-I	List-II
<i>Malus</i> sp.	Ploidy level
(A). <i>M. asiatica</i>	(I). Diploid
(B). <i>M. sikkimensis</i>	(II). Triploid
(C). <i>M. sargentii</i>	(III). Tetraploid
(D). <i>M. sieboldii</i>	(IV). Pentaploid

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

77 1000707

4.0

1.00

Belly Button appearance in sweet orange is the character of...

- Mosambi group
- Malta group
- Navel group
- Tanjore

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

78	1000708	<i>Blastophaga psenes</i> overwinters in which type of fig? 1. Common fig 2. Capri fig 3. Smyrna fig 4. San Pedro fig A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

79	1000709	Which of the following <i>Annona</i> species survives under regular submerge conditions? 1. <i>Annona squamosa</i> 2. <i>Annona glabra</i> 3. <i>Annona reticulata</i> 4. <i>Annona muricata</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

80	1000710	Major pigment compound present in blueberry is 1. Pelargonidin 3-glucoside 2. Malvidin 3-glucoside 3. Peonidin 3-glucoside 4. Cyanidin 3-rutinoside A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question				
81	1000711	Die Back or Pink Disease in Jackfruit caused by 1. <i>Glucosporium mangiferae</i> 2. <i>Fusarium oxysporum</i> 3. <i>Colletotrichum gloeosporioides</i> 4. <i>Pellicularia salmonicolor</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
82	1000712	In papaya, what will be the ratio of getting segregation of Female Hermaphrodite Male if the cross combination is Female (mm) x Staminate (M1m)? 1. 1:0:1 2. 1:1:0 3. 1:2:0 4. 1:1:1 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
83	1000713	Given below are two statements: Statement (I): The deficiency of Mg and Mn deficiency first appeared on younger leaves while Cu and Fe on older leave. Statement (II): The deficiency of Mg and Mn, first appeared on older leaves while Cu and Fe on younger leave. 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. A1 : 1 A2 : 2	4.0	1.00

A3 : 3

A4 : 4

Objective Question

841000714

4.01.00

Match List-I with List-II

List-I	List-II
Common name	Vitis species
(A). Sand grape	(I). <i>Vitis aestivalis</i>
(B). Summer grape	(II). <i>Vitis candicans</i>
(C). Mustang grape	(III). <i>Vitis riparia</i>
(D). River bed grape	(IV). <i>Vitis rupestris</i>

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

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

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

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

85	1000715		4.0	1.00
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Match **List-I** with **List-II**

List-I	List-II
Floral arrangement	Fruit Crop
(A). Solitary	(I). Mulberry
(B). Raceme	(II). Quince
(C). Catkin	(III). Blackberry
(D). Fascicle	(IV). Cherry

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

86 1000716

4.0 1.00

Given below are two statements:

Statement (I): In facultative apomixis, only apomeiosis pathway was found therefore only apomictic seedlings developed.

Statement (II): In obligatory apomixis, both meiosis and apomeiosis pathways were noticed therefore development of both apomictic and zygotic seedlings.

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

- Both Statement (I) and Statement (II) are correct.
- Both Statement (I) and Statement (II) are incorrect.
- Statement (I) is correct but Statement (II) is incorrect.
- Statement (I) is incorrect but Statement (II) is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

87	1000717	Given below are two statements: Statement (I): Pineapple is considered as CAM plant. Statement (II): In CAM system CO_2 is reduced to organic acids which accumulate in leaves at night and are reduced to sugars during the day. In light of the above statements, choose the <i>most appropriate</i> answer from the options given below. - Both Statement (I) and Statement (II) are correct. - Both Statement (I) and Statement (II) are incorrect. - Statement (I) is correct but Statement (II) is incorrect. - Statement (I) is incorrect but Statement (II) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

88	1000718	Given below are two statements for suitable tissue for nutrient analysis in fruit crops. Statement (I): The only petiole collected at bud differentiation stage (30-35 days after bud break) in grape. Statement (II): 4-7 months old leaves along with petiole from middle of shoot in mango. In light of the above statements, choose the <i>most appropriate</i> answer from the options given below. - Both Statement (I) and Statement (II) are correct. - Both Statement (I) and Statement (II) are incorrect. - Statement (I) is correct but Statement (II) is incorrect. - Statement (I) is incorrect but Statement (II) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

89	1000719		4.0	1.00
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Arrange the NRC according to their year of establishment (old to new)

(A) NRC, Banana

(B) NRC, Litchi

(C) NRC, Pomegranate

(D) NRC, Grape

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

1. (A), (B), (C), (D).

2. (A), (D), (B), (C).

3. (B), (A), (D), (C).

4. (C), (B), (D), (A).

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

90 1000720

Perlette is one of the early maturing grape genotype in North India. It is introduced in India from which country?

1. Guangzhou, China

2. Tokyo, Japan

3. Kabul, Afghanistan

4. California, USA

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

91 1000721

Which of the following species of *Hylocereus* having yellow fruit peel colour?

1. *Hylocereus megalanthus*

2. *Hylocereus monacanthus*

3. *Hylocereus undatus*

4. *Hylocereus costaricensis*

A1 : 1

A2 : 2

4.0 1.00

A3 : 3

A4 : 4

Objective Question

92	1000722	Given below are two statements about breeding grape varieties for Northern plains of India, the method (s) could be ... Statement (I): Selection of early budding out varieties of grape. Statement (II): Breed the varieties with shorter growth cycle from bud burst to berry maturity. In light of the above statements, choose the <i>most appropriate</i> answer from the options given below. - Both Statement (I) and Statement (II) are correct. - Both Statement (I) and Statement (II) are incorrect. - Statement (I) is correct but Statement (II) is incorrect. - Statement (I) is incorrect but Statement (II) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

93	1000723	Which of the following <i>Malus</i> species contained anthocyanin in both skin and flesh? <i>Malus x domestica</i> <i>Malus zumi</i> <i>Malus niedzwetzkyana</i> <i>Malus sieboldii</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

94	1000724	"Mango plum" is botanically known as _____ <i>Bouea microphylla</i> <i>Bouea sylvestris</i> <i>Mangifera zeylanica</i> <i>Mangifera pasang</i>	4.0	1.00
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		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

95	1000725	Which of the following species is known as "Black Apricot"? 1. <i>Prunus brigentica</i> 2. <i>Prunus dasycarpa</i> 3. <i>Prunus sibirica</i> 4. <i>Prunus mandschunica</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

96	1000726	Which of the part of the banana plant part has highest percentage of dry matter partitioning? 1. Leaf 2. Psuedostem 3. Bunch 4. Corm A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

97	1000727	Caging techniques was explored for the breeding assistance in which fruit crop? 1. Apple 2. Mango 3. Sweet Orange 4. Mandarin A1 : 1	4.0	1.00
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		A2 : 2		
		A3 : 3		
		A4 : 4		
Objective Question				
98	1000728	Which of the following Citrus species has ginger like aroma? 1. <i>C. indica</i> 2. <i>C. macroptera</i> 3. <i>C. assamensis</i> 4. <i>C. latipes</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
99	1000729	Which of the following is used to induce early and profuse flowering in mango? 1. Ethaphon 2. Paclobutrazol 3. DNOG 4. GA₃ A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
100	1000730		4.0	1.00

Match List-I with List-II

List-I	List-II
Mangifera species	Trait
(A). <i>M. caesia</i>	(I). Fruit twice in a year
(B). <i>M. simlis</i>	(II). Fragrant fruit
(C). <i>M. indica</i> var. <i>makongensis</i>	(III). High TSS
(D). <i>M. odorata</i>	(IV). Free stone

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

101	1000731	How much percentage of pollinizers are required to apricot orchard	4.0	1.00
		1. 11		
		2. 22		
		3. 33		
		4. 44		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

102	1000732		4.0	1.00
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Which of the following apple rootstock is known as 'Paradise Stock of Europe'?

1. M.2
2. Bud. 9
3. M.9
4. MM111

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

103 1000733

4.0 1.00

ONIX™, an orange variety known for its extraordinary captative flavour, anthocyaning pigment and enhance post-harvest life. Which of the following nation has discovered ONIX™?

1. Spain
2. Italy
3. Canada
4. USA

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

104 1000734

4.0 1.00

Which of the following is earliest stage of fruit set and development in Date palm ?

1. Hababouk
2. Khalili
3. Rutab
4. Tamer

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

105	1000735	Which of the following is/are objective(s) of Atmanirbhar Clean Plant Program? (A). Elevate the yield of horticultural crops. (B). Promote the dissemination and adoption of climate resilient varieties. (C). Safeguard the ecosystem through proactive measures against viruses and diseases. (D). Promotion of canopy management and HDP in fruit crops. Choose the correct answer from the options given below: 1. (A), (B) and (C) only. 2. (A), (B), (C) and (D). 3. (A), (C) and (D). 4. (A) and (C) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

106	1000736	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : The bael fruit could not attain the status of dessert fruit. Reason (R) : Due to its hard shell, mucilaginous texture and numerous seeds. In light of the above statements, choose the <i>most appropriate</i> 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. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

107	1000737	Which of the following avocado race takes maximum duration from flowering to fruit maturity? 1. Mexican 2. Guatemalan 3. West Indian 4. West Indian × Mexican	4.0	1.00
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A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

108 1000738

4.0 1.00

Match List-I with List-II

List-I	List-II
Crop	Prevailing mechanism
(A) Avocado	(I). Gynodioecious
(B) Fig	(II) Andromonoecious
(C) Mango	(III) Androgynoeious
(D) Banana	(IV). PDSD

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

109 1000739

4.0 1.00

Which of the following is developer of Baya® Marisa apple?

1. Bavarian Centre of Pomology and Fruit Breeding
2. University of Florida, USA
3. Washington State University, Pullman, USA
4. The Karlsruhe Institute of Technology, Germany

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

110	1000740	Which of the following system of planting add one more additional plant in the centre of square system? 1. Rectangular 2. Triangular 3. Diagonal 4. Hexagonal A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

111	1000741	Sugar loaf pineapple belongs to which group? 1. Abacaxi 2. Maipure 3. Cayenne 4. Queen A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

112	1000742	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Meristem is considered free from the plant viruses. Reason (R) : The meristem devoid the vascular connection from the remaining part of the plant and having faster rate of cell division therefore viruses could not multiplied on it. In light of the above statements, choose the <i>most appropriate</i> 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.	4.0	1.00
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A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

113 1000743

The Cavendish banana variety, QCAV-4, is resistant to the devastating fungal disease Panama Tropical Race 4 recently being released as first GM Banana by Australia. What was the gene source to develop QCAV-4?

1. *Musa acuminata* ssp *syvestris*
2. *Musa acuminata* ssp *malaccensis*
3. *Musa acuminata* ssp *malabanca*
4. *Musa acuminata* ssp *assamensis*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

114 1000744

Match List-I with List-II of the grape varieties developed through different breeding methods

List-I	List-II
Breeding method	Grape Variety
(A). Selection	(I). Robin Cardinal
(B). Hybridization	(II). Case
(C). Mutation	(III). Manjari Medika
(D). Polyploidy	(IV). Manik Chaman

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

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

A1 : 1

4.0 1.00

A2 : 2

A3 : 3

A4 : 4

Objective Question

115	1000745	Given below are two statements: Statement (I): Development of the parthenocarpy and seedlessness fruit is highly desirable in many fruit crops which enhances the consumer preferences. Statement (II): The parthenocarpic pear fetches premium price in the market due to its captative flavour and enhanced fruit size. In light of the above statements, choose the <i>most appropriate</i> 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. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

116	1000746	Given below are two statements: Statement (I): Outcrossing in pear is ensured by gametophytic incompatibility. Statement (II): Diploid pears are generally self incompatible. In light of the above statements, choose the <i>most appropriate</i> answer from the options given below. - Both Statement (I) and Statement (II) are correct. - Both Statement (I) and Statement (II) are incorrect. - Statement (I) is correct but Statement (II) is incorrect. - Statement (I) is incorrect but Statement (II) is correct. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

117	1000747		4.0	1.00
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		Barbados cherry belongs to family 1. Moraceae 2. Malpighiaceae 3. Moringaceae 4. Phyllanthaceae A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
118	1000748	Which of the following <i>Phoenix</i> species is an Indian species? 1. <i>P. dactylifera</i> 2. <i>P. canariensis</i> 3. <i>P. sylvestris</i> 4. <i>P. acaulis</i> A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
119	1000749	What is the ploidy level of 'Colt' cherry rootstock? 1. Diploid 2. Triploid 3. Tetraploid 4. Hexaploid A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
120	1000750		4.0	1.00

Nitidulid Beetles is ideal pollinator for which of the fruit crop ?

1. Apple
2. Aonla
3. Custard apple
4. Avocado

A1 : 1

A2 : 2

A3 : 3

A4 : 4