

PREVIEW QUESTION BANK

Module Name : Plantation Spices Medicinal and Aromatic Crops - 15-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
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
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

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 Phillippines 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. *Alylosia 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
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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
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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
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		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:

1. (A) - (II), (B) - (III), (C) - (IV), (D) - (I)
2. (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
3. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
4. (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 mehods?	4.0	1.00
		1. 50-75 2. 75-100 3. 100-125 4. 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

28 1408

4.0 1.00

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

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

4.0 1.00

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

Objective Question

31 1411

4.0 1.00

Which form of the chimera is considered most stable?

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

A1 : 1

A2 : 2

		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. Delpididn 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)? 1. Jamun 2. Banana 3. Jackfruit 4. Mango A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

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

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

451425

4.01.00

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) - (II), (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. Dibbling 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. *Jasminum gradiflorum*
2. *Polianthes tuberosa*
3. *Crossandra infundibuliformis*
4. *Tabernaemontana divaricata*

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. *Cymbidium*
2. *Paphiopedilum*
3. *Phalaenopsis*
4. *Cattleya*

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. *Iresene herbstii*
2. *Wadelia triloba*
3. *Clerodendron inerme*
4. *Alternanthera amabilis*

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) - (II), (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 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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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 <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. 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	1000801	Aloe vera belongs to the family 1. Aloaceae 2. Euphorbiaceae 3. Polygonaceae 4. Liliaceae A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

72	1000802	Higher alkaloid content of Periwinkle (Catharanthus roseus) is found in 1. Rose-purple flowers 2. White flowers 3. White flowers with rose purple centre 4. Rose purple flowers with white centre A1 : 1 A2 : 2 A3 : 3	4.0	1.00
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		A4 : 4		
Objective Question				
73	1000803	Average spacing of Citronella is 1. 15 cm X 15 cm 2. 30 cm X 30 cm 3. 60 cm X 60 cm 4. 90 cm X 90 cm A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
74	1000804	The leading aromatic crop growing state in India is 1. Uttar Pradesh 2. Madhya Pradesh 3. Andhra Pradesh 4. Himachal Pradesh A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
75	1000805	Sequence the Indian States based on cultivated area under medicinal plants in descending order (A). Karnataka (B). Madhya Pradesh (C). Andhra Pradesh (D).Uttar Pradesh Choose the correct answer from the options given below: 1. (A), (C), (D), (B) 2. (C), (A), (D), (B) 3. (C), (D), (B), (A) 4. (B), (D), (A), (C) A1 : 1	4.0	1.00

A2 : 2

A3 : 3

A4 : 4

Objective Question

76 1000806

4.0

1.00

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

List-I	List-II
(Medicinal Plants)	(Useful parts)
(A). Cymbopogon flexuosus	(I). Husk
(B). Glycyrriza glabra	(II). Oil
(C). Plantago ovata	(III). Leaf
(D). Gymnema sylvestre	(IV). Under ground stem

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

77 1000807

4.0

1.00

Assertion: A rich, generally well-drained loam is ideal for vetiver

Reason: The loose nature of loamy soil is perfect for root development and harvesting.

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

Objective Question

78	1000808	Which of the following statements are CORRECT with respect to Geranium? (A) Geranium is one of the most valuable fragrant plants. (B) India is considered as the origin of this crop. (C) Geranial and Citronellol are the primary components of oil. (D) It can be propagated by cuttings. (E) 10-15 quintals of oil is produced from one hectare. (F) The plants are generally wilt resistant. Choose the correct answer from the options given below: 1. (A), (B) and (D) only. 2. (B) (D) and (F) only. 3. (A), (C) and (D) only. 4. (A), (B), (E) and (F).	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

79	1000809	Dioscorea can be propagated through 1. Single node leaf cuttings 2. Multi-node leaf cuttings 3. IBA treated root cuttings 4. Tissue culture with anther as explant	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

80	1000810		4.0	1.00
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The average yield of fresh berries in medicinal solanum is

1. 200-250 kg/ha
2. 300 - 400 kg/ha
3. 700-800 kg/ha
4. 1-1.5 q/ha

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

81	1000811	Which of the following plant is used as purgative?	4.0	1.00
1. Aloe vera 2. Cassia fistula 3. Digitalis purpurea 4. Plantago ovata				
A1 : 1				
A2 : 2				
A3 : 3				
A4 : 4				

Objective Question

82	1000812	Who among the following Indian Presidents has established herbal garden in Rashtrapati Bhavan?	4.0	1.00
1. Sri K.R. Narayanan 2. Dr A.P.J. Abdul Kalam 3. Dr Pranab Mukherjee 4. Smt Pratibha Patil				
A1 : 1				
A2 : 2				
A3 : 3				
A4 : 4				

Objective Question

83	1000813		4.0	1.00
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Patchouli can be well-grown as intercrop under which climatic condition?

1. Hot and dry
2. Cold and dry
3. Hot and humid
4. Cold and humid

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

84	1000814		4.0	1.00
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Given below are two statements:

Statement (I): Senna plant is mainly valued for cathartic properties.

Statement (II): The laxative principles Sennoside A and Sennoside B are present meagrely.

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

85	1000815		4.0	1.00
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Match **List-I** with **List-II**

List-I	List-II
(Drug name)	(Plant resource)
(A). Vinblastine	(I). Centella asiatica
(B). Ajmalicine	(II). Cassia species
(C). Asiaticoside	(III). Madagascar periwinkle
(D). Anthraquinone	(IV). Rauvolfia serpentina

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

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

86 1000816

4.0 1.00

Which statement (s) is/are CORRECT about the following?

- (A).Essential oils and aroma chemicals constitute a major group of industrial products.
- (B).With recent advances in organic chemistry, synthetics have outnumbered naturals in a ratio of about 200:1.
- (C).Use of essential oils in therapeutics is becoming popular in Japan and European countries.
- (D).Aromatherapy involves use of essential oils and aromatics derived only from synthetic chemicals to cure diseases.
- (E).India has a long tradition of using aromatic and medicinal plants in its holistic medicinal systems - Ayurveda, Unani and Sidha.

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

87	1000817	Given below are two statements: Statement (I):The term medicinal plants include various types of plants used in herbal methods and some of these plants have biological activities. Statement (II):It is a fact that herbal medicines are natural as well as synthetic products while being used to treat diseases. 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

88	1000818	Which of the following plants contains drug at its bark for curing heart disease? - Aloe vera - Cinchona officinalis - Terminalia arjuna - Plantago ovata A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

89	1000819	Which medicinal plant is also known as Deadly Nightshade? - Rauvolfia serpentina - Asparagus racemosus - Atropa belladonna - Papaver somniferum	4.0	1.00
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A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

90 1000820

Opium is a plant belonging to family

1. Apocyanaceae
2. Euphorbiaceae
3. Papaveraceae
4. Lamiaceae

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0

1.00

Objective Question

91 1000821

Match List-I with List-II

List-I	List-II
(Drug)	(Place of origin)
(A). Aloe	(I). Southeastern Europe, western Asia
(B). Camphor	(II). South Africa, Arabian Peninsula
(C). Codeine	(III). Madagascar
(D). Madagascar periwinkle	(IV). Asia

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

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

A1 : 1

A2 : 2

4.0

1.00

A3 : 3

A4 : 4

Objective Question

92	1000822	Given below are two statements: Statement (I):Atropa belladonna is a member of the solanaceae family. Statement (II):The drug from Belladonna contains 3-6 % alkaloids. 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

93	1000823	Read the follwing statements carefully and find which are CORRECT in relation to research on medcinal and aromatic plants? (A). Biotechnology and molecular biology are used along with traditional breeding methods to create new varieties of medicinal plants. (B). In such a case, the main goal is to increase both the yield of medicinal plant raw material and the content of certain secondary metabolites. (C). Most modern research on medicinal plants focuses on the study of their genetic variability using DNA markers (D). In vitro tissue cultures are not used in the breeding of medicinal plants. (E). In the breeding of medicinal and aromatic plants, only traditional methods of individual and individual-family selection are still promising. Choose the correct answer from the options given below: (A), (B) and (C) only. (A), (B) and (D) only. (B), (C) and (E) only. (A), (B), (C) and (E) only. A1 : 1 A2 : 2	4.0	1.00
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A3 : 3

A4 : 4

Objective Question

94	1000824	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) :Essential oils are volatile and are insoluble in water. Reason (R) : Essential oils are purified by steam distillation. In light of the above statements, choose the <i>correct</i> answer from the options given below. - Both (A) and (R) are true and (R) is the correct explanation of (A). - Both (A) and (R) are true but (R) is NOT the correct explanation of (A). (A) is true but (R) is false. (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

95	1000825	The correct sequence of steps in breeding a new genetic variety of a medicinal crop is (A).Selection of parents (B).Cross hybridisation of the selected parents (C).Collection of variability (D).Testing, release and commercialisation of new cultivars (E).Selection and testing of superior recombinants Choose the correct answer from the options given below: (A), (B), (C), (D), (E). (C), (A), (B), (E), (D). (C), (B), (D), (A), (E) . (B), (C), (D), (A), (E). A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

96	1000826	For preparation of "ginger in brine", ginger is nomally harvested months after planting 1. 3-4 2. 5-6 3. 7-8 4. 9-10 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

97	1000827	VAM (Vesicular-Arbuscular Mycorrhiza) having the symbiotic association between 1. Plant root and bacteria 2. Plant root and fungus 3. Plant root and virus 4. Plant root and algae A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

98	1000828	Given below are two statements: Statement (I): Cardamom is a self pollinated crop. Statement (II): It produces bisexual flower but self sterile in nature. 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 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	4.0	1.00
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A4 : 4

Objective Question

99 1000829

4.0

1.00

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

List-I	List-II
(Name of the crop)	(Origin)
(A). Rubber	(I). Sothern America
(B). Cocoa	(II). Tropical Africa
(C). Palmyrah	(III). China ans South east Asia
(D). Tea	(IV). Brazil

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

100 1000830

4.0

1.00

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

Assertion (A) : In Eastern India, planting of ginger is done during June -July.

Reason (R) : Planting during June - July recorded the higher yield as compared to March - April planting.

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

101 1000831

4.0 1.00

Given below are two statements:

Statement (I): There are four important species of Wattle (*Acacia spp.*)

Statement (II): Golden wattle is the most extensively cultivated in India.

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

102 1000832

4.0 1.00

Curcuma aromatica is in nature

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

103 1000833

4.0 1.00

Which of the following statements are correct with respect to black pepper cultivation

- (A). In India, black pepper is mainly grown as inter crop.
- (B). Panniyur- 1 is the most popular improved variety of black pepper.
- (C). Black pepper prefers slightly alkaline soil for its growth and development.
- (D). Black pepper is commercially propagated through tissue culture.

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

104 1000834

4.0 1.00

Write the correct sequence with respect to monetary value (descending order) per unit quantity of the following spices

- (A). Black pepper
- (B). Small cardamom
- (C). Vanilla
- (D). Clove

Choose the correct answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

105 1000835

4.0 1.00

Given below are two statements:

Statement (I): Vazhuka type of Cardamon is primarily self-pollinated.

Statement (II): This type is adopted to higher elevation as compared to the other types.

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

106	1000836	"Supreme Golden" is the variety of 1. Tea 2. Celery 3. Saffron 4. Turmeric A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

107	1000837		4.0	1.00
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Match **List-I** with **List-II**

List-I	List-II
(Name of the crop)	(Chromosome number (2n))
(A).Ginger	(I). 63
(B). Turmeric	(II). 14
(C). Coriander	(III). 44
(D). Cumin	(IV). 22

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

108	1000838	In India, Cashewnut bisexual flowers opens in between 1. 2 AM to 4 AM 2. 2 PM to 6 PM 3. 9 AM to 2 PM 4. 7 PM to 11 PM A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

109	1000839		4.0	1.00
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Dibbling method of planting is practised in

1. Small cardamom
2. Nutmeg
3. Coriander
4. Garlic

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

110 1000840

4.0 1.00

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

Assertion (A) : Dill is grown as a rainy season crop for commercial cultivation

Reason (R) : Rainy season crop produces higher yield as compared to winter season crop.

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

111 1000841

4.0 1.00

Which of the following statements are correct with respect to cocoa cultivation

- (A). In India, cocoa is mainly cultivated in Assam and Maharashtra.
- (B). It is commercially propagated through seed.
- (C). Young cocoa plants grow best with 50 per cent shade.
- (D). Pruning is an important aspect of cocoa cultivation

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

112	1000842	Physiological disorder "Brown blast" is associated with 1. Fennel 2. Betelvine 3. Black pepper 4. Rubber A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

113	1000843	AA grade is associated with 1. Rubber 2. Cocoa 3. Cinnamon 4. Arecanut A1 : 1 A2 : 2	4.0	1.00
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A3 : 3

A4 : 4

Objective Question

114	1000844	Write the correct sequence with respect to cashewnut processing (A). Roasting (B). Peeling (C). Shelling (D). Grading Choose the correct answer from the options given below: 1. (A), (B), (C), (D). 2. (A), (C), (B), (D). 3. (B), (A), (D), (C). 4. (C), (B), (D), (A).	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

115	1000845	Green tea produces colour liquor 1. Greenish 2. White 3. Reddish 4. Golden	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

116	1000846		4.0	1.00
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..... is the major betelvine growing state in India.

1. West Bengal
2. Assam
3. Uttar Pradesh
4. Maharastra

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

117 1000847

4.0 1.00

Which of the following statements are correct with respect to vanilla cultivation?

- (A). Vanilla cultivation is mainly concentrated in the Southern parts of India.
- (B). It is generally propagated through vine cutting.
- (C). Vanilla does not require any support for growing in the main field.
- (D). Normal spacing of vanilla is 2.5 m to 3.0 m between rows and 2.0 m within row.

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

118 1000848

4.0 1.00

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

List-I	List-II
(Name of the crop)	(Name of the variety)
(A). Black pepper	(I). Pant Haritima
(B). Fennel	(II). Suguna
(C). Coriander	(III). Panchami
(D). Turmeric	(IV). Pant Madhurika

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

119	1000849	MAS-1 is the variety of - Japanese mint - Bergamot mint - Pepper mint - Spear mint A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

120	1000850		4.0	1.00
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Sree Mangala variety of arecanut has been developed through selection from

1. VTL-3
2. VTL-9
3. VTL-11
4. VTL-17

A1 : 1

A2 : 2

A3 : 3

A4 : 4