

PREVIEW QUESTION BANK

Module Name : Post Harvest Management - 16-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. *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
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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:

- (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

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

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) - (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	1000851	Full slip stage harvest maturity is not found in which muskmelon cultivar?	4.0	1.00
		1. Arka Rajhans 2. Kashi Madhu 3. Hara Madhu 4. Durgapura Madhu		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

72	1000852	For preparation of greeting cards, which drying method is used for flowers?	4.0	1.00
		1. Air drying 2. Press drying 3. Embedded drying 4. Freeze drying		
		A1 : 1		
		A2 : 2		
		A3 : 3		

		A4 : 4		
Objective Question				
73	1000853	'Safepod' system is associated with measurement of which of the following? 1. CO₂ and O₂ 2. Microbial toxins 3. Pesticide residue 4. Ethylene A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
74	1000854	H₂SO₄-Diphenyl test is performed to determine adulterants in 1. Saffron 2. Paprika powder 3. Turmeric powder 4. Ginger oleoresin A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
75	1000855		4.0	1.00

Match **List-I** with **List-II** on the basis of biochemical compounds responsible for colour in tea.

List-I	List-II
(Compound)	(Tea colour)
(A). Theaflavins	(I). Yellowish brown
(B). Thearubigins	(II). Light yellow
(C). Pheophytin	(III). Blackish
(D). Flavonol glycosides	(IV). Reddish brown

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

76 1000856

Potato starch is superior to cereal starch because

- (A). Its granule size is smaller.
- (B). It has higher water binding capacity.
- (C). It has high solubility in water.
- (D). It has lower swelling volume.

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

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

A1 : 1

A2 : 2

A3 : 3

4.0 1.00

		A4 : 4		
Objective Question				
77	1000857	Which of the following is associated with the 'Calliper grade' measurement in banana? 1. Finger length 2. Finger width 3. Finger weight 4. Peel thickness A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
78	1000858	Putting cut flowers in warm water or acidifying solution after long transit is called 1. Impregnation 2. Tinting 3. Pulsing 4. Conditioning A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
79	1000859	In which year Food Safety Compliance System was launched in India? 1. 2010 2. 2012 3. 2016 4. 2020 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00

Objective Question

80	1000860	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : During heat processing, nutritional and sensory properties are better retained by the use of higher temperature and shorter time. Reason (R) : In general, <i>D</i> and <i>z</i> values of vitamins and pigments are higher than those of microorganisms and enzymes. 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

81	1000861	Match List-I with List-II <table><tr><th>List-I</th><th>List-II</th></tr><tr><td>(Enzymes used in food industry)</td><td>(Optimum pH range)</td></tr><tr><td>(A). Bromelin</td><td>(I). 4.0 to 9.0</td></tr><tr><td>(B). Glucoamylase</td><td>(II). 6.5 to 7.0</td></tr><tr><td>(C). Pepsin</td><td>(III). 3.5 to 5.0</td></tr><tr><td>(D). Ficin</td><td>(IV). 1.5 to 4.0</td></tr></table> Choose the correct answer from the options given below: 1. (A) - (III), (B) - (I), (C) - (IV), (D) - (II) 2. (A) - (I), (B) - (III), (C) - (IV), (D) - (II) 3. (A) - (II), (B) - (III), (C) - (I), (D) - (IV) 4. (A) - (IV), (B) - (I), (C) - (III), (D) - (II) A1 : 1 A2 : 2 A3 : 3	List-I	List-II	(Enzymes used in food industry)	(Optimum pH range)	(A). Bromelin	(I). 4.0 to 9.0	(B). Glucoamylase	(II). 6.5 to 7.0	(C). Pepsin	(III). 3.5 to 5.0	(D). Ficin	(IV). 1.5 to 4.0	4.0	1.00
List-I	List-II															
(Enzymes used in food industry)	(Optimum pH range)															
(A). Bromelin	(I). 4.0 to 9.0															
(B). Glucoamylase	(II). 6.5 to 7.0															
(C). Pepsin	(III). 3.5 to 5.0															
(D). Ficin	(IV). 1.5 to 4.0															

		A4 : 4		
Objective Question				
82	1000862	Which of the following is an inorganic acid used as a food acidulant? 1. Fumaric acid 2. Phosphoric acid 3. Succinic acid 4. Acetic acid A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
Objective Question				
83	1000863	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : In the presence of acid, green vegetables change its colour to dull olive brown. Reason (R) : The central magnesium ion is replaced by hydrogen, producing pheophytins. 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
Objective Question				
84	1000864	'Corona discharge method' is used for generation of which of the following disinfectant? 1. Ozone 2. Chlorine dioxide 3. Peroxyacetic acid 4. Chlorine A1 : 1 A2 : 2	4.0	1.00

A3 : 3

A4 : 4

Objective Question

85	1000865	'Alleppey Green Bold' is the grade of which spice crop? 1. Cardamom 2. Black pepper 3. Cumin 4. Coriander A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

86	1000866	Given below are two statements: Statement (I): Oxidation of ethylene by photocatalysis involves the use of semiconductor materials. Statement (II): Zeolite oxidises ethylene by photocatalysis. 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 A4 : 4	4.0	1.00
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Objective Question

87	1000867		4.0	1.00
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Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A) : Freezer burn is a problem of frozen food products having large surface area-to-volume ratio.

Reason (R) : In cold stores, moisture leaves the surface of the foods to the storage atmosphere due to low humidity.

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

Objective Question

88	1000868	Given below are two statements: Statement (I): Fruit bar should contain not more than 15% moisture (m/m). Statement (II): The minimum fruit content in fruit bar should be 25% (m/m). 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 A4 : 4	4.0	1.00
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Objective Question

89	1000869		4.0	1.00
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Given below are two statements:

Statement (I): Thymol and Carvacrol are the principal constituents of thyme oil.

Statement (II): Thyme should be dried at a temperature lower than 40°C to reduce loss of flavour.

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

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

- A1 : 1
- A2 : 2
- A3 : 3
- A4 : 4

Objective Question

90

1000870

Match **List-I** with **List-II** for **colour stages of the ripening Cavendish banana**

4.0

1.00

List-I	List-II
(Peel colour)	(Starch content)
(A). Yellow with green tip	(I). 13%
(B). Green	(II). 1.0%
(C). More yellow than green	(III). 7%
(D). Yellow with increasing brown areas	(IV). 20%

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

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

- A1 : 1
- A2 : 2
- A3 : 3
- A4 : 4

Objective Question

91	1000871	Which of the following fruit is susceptible to compression injury but resistant to vibration injury? 1. Grape 2. Peach 3. Plum 4. Strawberry A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

92	1000872	Which enzyme is responsible for conversion of green to shining black colour in black pepper? 1. Ascorbate peroxidase 2. Chlorophyllase 3. Myrsinase 4. Phenolase A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

93	1000873	Which of the following food additives are used as sequestrant? (A). Sodium tartrates (B). Sodium citrate (C). Sodium nitrate (D). Sodium isoascorbate Choose the correct answer from the options given below: 1. (A) and (B) only. 2. (B) and (D) only. 3. (C) and (D) only. 4. (A) and (C) only. A1 : 1 A2 : 2	4.0	1.00
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A3 : 3

A4 : 4

Objective Question

94	1000874	Given below are two statements: Statement (I): Low methoxyl pectins are used to prepare low calorie jellies. Statement (II): Low methoxyl pectin can form gel with lower sugar concentration. 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

95	1000875	Arrange the following fruit products in descending sequence of minimum per cent of fruit juice in the final product. (A). Orange nectar (B). Fruit squash (C). Mango nectar (D). Fruit preserve Choose the correct answer from the options given below: (B), (D), (C), (A). (D), (A), (B), (C). (B), (C), (A), (D). (C), (A), (D), (B). A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

96	1000876		4.0	1.00
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Which of the following fruit has been reported to cause neurotoxicity in uraemic patients?

1. Jackfruit
2. Longan
3. Water apple
4. Carambola

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

97	1000877	Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R). Assertion (A) : Carotenes can change colour by isomerization from trans to cis configuration. Reason (R) : This change is facilitated in the presence of acids and with rise in temperature. 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

98	1000878	Given below are two statements: Statement (I): Susceptor films cause foods to brown in a microwave oven. Statement (II): These susceptors are polymeric packaging materials that contain very small iron particles. 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

99	1000879	Which of the following are potato tuber proteins? (A). Patatin (B). Leptins (C). α-chaconine (D). Protease inhibitors Choose the correct answer from the options given below: 1. (A) and (D) only. 2. (B) and (C) only. 3. (A) and (B) only. 4. (B), (C) and (D) only.	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

100	1000880	According to Indian Standards Institution specifications, cocoa used for beverage should contain per cent cocoa fat. 1. 20 2. 30 3. 40 4. 50	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

101	1000881		4.0	1.00
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Excess amount of sulphur dioxide present in the juice can be removed by heating the juice to

1. 51°C
2. 61°C
3. 71°C
4. 81°C

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

102 1000882 4.0 1.00

Chemical formula of capsaicin found in chilli is

1. $C_{17}H_{27}NO_2$
2. $C_{17}H_{27}NO_3$
3. $C_{18}H_{27}NO_3$
4. $C_{20}H_{28}NO_2$

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

103 1000883 4.0 1.00

Translucent flesh disorder is related to which fruit?

1. Litchi
2. Rambutan
3. Pineapple
4. Mangosteen

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

104 1000884 4.0 1.00

Which of the following is the principal storage carbohydrate in *Alliums*?

1. Galactose
2. Dextrose
3. Fructans
4. Mannose

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

105 1000885

4.0 1.00

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

List-I	List-II
(Flowers)	(Stage of harvest)
(A). Red rose	(I). When buds exhibit half colour
(B). Carnation (Spray cultivars)	(II). When first two petals unfurl
(C). Orchid	(III). Two fully opened flowers/ branch
(D). Tulip	(IV). Fully open flowers

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

106 1000886

4.0 1.00

Which of the following enzymes contribute to the development of 'off aromas' in stored vegetables?

- (A). Lipoxygenase
- (B). Peroxidase
- (C). Cysteine lyase
- (D). Sulforaphanase

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

107 1000887

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

Assertion (A) : Bioavailability of lycopene in cooked or processed tomatoes is greater than in raw.

Reason (R) : All trans form of lycopene isomers are more bioavailable than cis isomers.

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

Objective Question

108 1000888

How many samples are employed in 'Duo-Trio test' of sensory evaluation?

1. Two
2. Three
3. Five
4. Six

4.0 1.00

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

109 1000889

4.0

1.00

Generally permitted level of hardness in water used for canning should not exceed as CaCO_3 ?

1. 55 ppm
2. 85 ppm
3. 155 ppm
4. 185 ppm

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

110 1000890

4.0

1.00

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

Assertion (A) : The loss of peroxidase enzyme activity in a blanched food product is taken as an indicator of effectiveness of blanching.

Reason (R) : This enzyme is heat stable.

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

Objective Question

111 1000891

4.0

1.00

Colour of betalains is due to their

1. Resonating structure
2. Isoprenoid units
3. Flavonol aglucones
4. Oxidation of quinoidal

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

112 1000892

4.0 1.00

Given below are two statements:

Statement (I): Roses harvested at tight bud stage are more susceptible to bent neck than those harvested slightly open.

Statement (II): It is mainly caused by pathogen attack and lack of carbohydrates.

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

113 1000893

4.0 1.00

Which of the following climacteric fruit can remain in mature but unripe condition on the tree until harvested?

1. Cherry
2. Apricot
3. Plum
4. Avocado

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

114

1000894

4.0

1.00

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

List-I	List-II
(Medicinal plants)	(Active ingredient)
(A). Datura	(I). Hyoscyamine
(B). Ashwagandha	(II). Forskholin
(C). Medicinal Coleus	(III). Vellarine
(D). <i>Centella asiatica</i>	(IV). Withanine

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

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

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

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

115	1000895	In Indian water chestnut (<i>Trapa bispinosa</i>), the practical canning stage occurs at an alcohol insoluble solids content of 5.5 per cent 7.5 per cent 8.5 per cent 16.5 per cent A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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Objective Question

116	1000896		4.0	1.00
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Which of the following causes bitter taste in cooked cauliflower?

- (A). Progoitrin
- (B). Sinigrin
- (C). Limonoids
- (D). Neoglucobrassicin

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

117 1000897

The presence of reactive reducing sugars is responsible for browning in foods during heating. Arrange the following according to sequence of reactions/events takes place during heating.

- (A). Brown polymers
- (B). Fragmentation
- (C). Ring opening
- (D). Enolization

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

118 1000898

4.0 1.00

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

List-I	List-II
(Vegetable)	(Edible part)
(A). Artichoke	(I). Petiole
(B). Celery	(II). Swollen root tuber
(C). Sweet potato	(III). Swollen leaf base
(D). Leek	(IV). Flower bud

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

119 1000899

4.0 1.00

Given below are two statements:

Statement (I): Coffee that is to be stored for long periods is generally packed in sealed bags.

Statement (II): Aroma and flavour properties of ground coffee are highly stable to oxygen.

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

120	1000900	Fruit ripening is associated with following events. (A). Conversion of pectic acid to pectinic acid weakens the cell walls. (B). Organic acid content declines during ripening. (C). Degradation of wax on the fruit skin. (D). Carbohydrate change is the largest quantitative change. Choose the correct answer from the options given below: 1. (A) and (C) only. 2. (C) and (D) only. 3. (B) and (D) only. 4. (A) and (B) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	1.00
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