

National Testing Agency

Question Paper Name :	Post Harvest Technology Horticulture 17th September Shift 2
Subject Name :	Post Harvest Technology Horticulture
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Duration :	120
Total Marks :	480
Display Marks:	Yes

Post Harvest Technology Horticulture

Group Number :	1
Group Id :	19088990
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	480
Is this Group for Examiner? :	No

Part A: General Knowledge

Section Id :	190889194
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory

Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	80
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	190889234
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 19088910102 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is the device used to measure the power and speed of the wind?

1. Avometer
2. Anemometer
3. Airometer
4. Aviontimeter

Options :

19088940301. 1
19088940302. 2
19088940303. 3
19088940304. 4

Question Number : 2 Question Id : 19088910103 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Optical fibre used the concept of which of the following?

1. Reflection
2. Refraction
3. Total internal reflection
4. Total internal refraction

Options :

- 19088940305. 1
- 19088940306. 2
- 19088940307. 3
- 19088940308. 4

Question Number : 3 Question Id : 19088910104 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Yellow vein mosaic is the viral disease of which of the following plants?

- 1. Ladyfinger
- 2. Papaya
- 3. Sugarcane
- 4. Banana

Options :

- 19088940309. 1
- 19088940310. 2
- 19088940311. 3
- 19088940312. 4

Question Number : 4 Question Id : 19088910105 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following organ(s) is affected by Mumps disease?

- 1. Entire body
- 2. Skin
- 3. Eye
- 4. Parotid

Options :

- 19088940313. 1
- 19088940314. 2
- 19088940315. 3

19088940316. 4

Question Number : 5 Question Id : 19088910106 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is the chemical name of vitamin B₂?

1. Riboflavin
2. Calciferol
3. Pyridoxin
4. Niacin

Options :

19088940317. 1

19088940318. 2

19088940319. 3

19088940320. 4

Question Number : 6 Question Id : 19088910107 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is not the input unit of the computer?

1. Mouse
2. Keyboard
3. Screen
4. Scanner

Options :

19088940321. 1

19088940322. 2

19088940323. 3

19088940324. 4

Question Number : 7 Question Id : 19088910108 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The digital computer operates on which of the following principle?

1. Measurement
2. Calculation
3. Logical
4. Electrification

Options :

19088940325. 1

19088940326. 2

19088940327. 3

19088940328. 4

Question Number : 8 Question Id : 19088910109 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The non-cooperation movement of Gandhiji was launched in which of the following year?

1. 1915
2. 1922
3. 1920
4. 1930

Options :

19088940329. 1

19088940330. 2

19088940331. 3

19088940332. 4

Question Number : 9 Question Id : 19088910110 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

An Islamic revivalist movement named Wahabi movement was founded by which of the following person?

1. Sian Saheb
2. Syed Ahmed
3. Haji Shariat-Allah
4. DaduMian

Options :

19088940333. 1

19088940334. 2

19088940335. 3

19088940336. 4

Question Number : 10 Question Id : 19088910111 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is considered as the “Magna Carta of England Education in India”?

1. Hunter education commission
2. Lord Macaulay’s Minute
3. Wood’s Despatch
4. Thomas Babington Macaulay

Options :

19088940337. 1

19088940338. 2

19088940339. 3

19088940340. 4

Question Number : 11 Question Id : 19088910112 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following nutrient does not come under the ambit of 'macro-nutrients in Soil Health Card?

1. Nitrogen
2. Zinc
3. Phosphorous
4. Potassium

Options :

19088940341. 1

19088940342. 2

19088940343. 3

19088940344. 4

Question Number : 12 Question Id : 19088910113 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Cole crops, root crops and legumes come under the ambit of which of the following?

1. Olericulture
2. Pomology
3. Viticulture
4. Arboriculture

Options :

19088940345. 1

19088940346. 2

19088940347. 3

19088940348. 4

Question Number : 13 Question Id : 19088910114 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The study of individual trees, shrubs, vines, and perennial woody plants is known as which of the following?

1. Turf management
2. Arboriculture
3. Pomology
4. Viticulture

Options :

19088940349. 1

19088940350. 2

19088940351. 3

19088940352. 4

Question Number : 14 Question Id : 19088910115 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The ministry is implementing MIDH (Mission for Integrated Development of Horticulture) with effect from which of the following year?

1. 2012-13
2. 2019-20
3. 2015-16
4. 2014-15

Options :

19088940353. 1

19088940354. 2

19088940355. 3

19088940356. 4

Question Number : 15 Question Id : 19088910116 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The interaction of soils with living things, particularly plants are well known as which of the following?

1. Edaphology
2. Pedology
3. Soil zoology
4. Pedogenesis

Options :

19088940357. 1

19088940358. 2

19088940359. 3

19088940360. 4

Question Number : 16 Question Id : 19088910117 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following systems has also incorporated social aspects in itself?

1. Landscaping
2. Permaculture
3. Horticulture
4. Forest gardening

Options :

19088940361. 1

19088940362. 2

19088940363. 3

19088940364. 4

Question Number : 17 Question Id : 19088910118 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

What do you term the phenomenon whereby the specific gene is added to the plant for producing a desirable phenotype?

1. Genetic manipulation
2. Genetic recombination
3. Genetic modification
4. Genetic hybridisation

Options :

19088940365. 1

19088940366. 2

19088940367. 3

19088940368. 4

**Question Number : 18 Question Id : 19088910119 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

What is the focus of the participatory plant breeding program?

1. Scientists
2. Plants
3. Environment
4. Farmers

Options :

19088940369. 1

19088940370. 2

19088940371. 3

19088940372. 4

**Question Number : 19 Question Id : 19088910120 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

How do you term the form of agriculture, in which, industrialized production of crops and animal products takes place?

1. Manufactured agriculture
2. Modern agriculture
3. Industrial agriculture
4. Mechanistic agriculture

Options :

19088940373. 1

19088940374. 2

19088940375. 3

19088940376. 4

**Question Number : 20 Question Id : 19088910121 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Micro-irrigation fund of Rs. 5,000 crore has been placed with which of the following organization?

1. NABARD
2. IDBI
3. SBI
4. RRBs

Options :

19088940377. 1

19088940378. 2

19088940379. 3

19088940380. 4

Part B Core : Horticulture

Section Id :	190889195
Section Number :	2
Section type :	Online

Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	190889235
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 19088910122 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1

Which of the following is NOT an example of often-cross pollinated crops?

- 1. Lima bean
- 2. Broad bean
- 3. Lettuce
- 4. Okra

Options :

- 19088940381. 1
- 19088940382. 2
- 19088940383. 3
- 19088940384. 4

Question Number : 22 Question Id : 19088910123 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1

Which of the following is the early variety of Cauliflower?

1. Pusa Sharad
2. Pusa Meghna
3. Pusa Shukti
4. Pusa Paushja

Options :

19088940385. 1

19088940386. 2

19088940387. 3

19088940388. 4

Question Number : 23 Question Id : 19088910124 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Diadelphous condition of stamens is found in which of the following crop?

1. Garden pea
2. Lettuce
3. Onion
4. Okra

Options :

19088940389. 1

19088940390. 2

19088940391. 3

19088940392. 4

Question Number : 24 Question Id : 19088910125 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The ideal temperature for potato tuberization is-

1. 10-12 °C
2. 18-20 °C
3. 24-26 °C
4. 28-30 °C

Options :

19088940393. 1

19088940394. 2

19088940395. 3

19088940396. 4

**Question Number : 25 Question Id : 19088910126 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

What is the seed rate of carrot (kg per ha)?

1. 2-3
2. 3-4
3. 5-6
4. 12-15

Options :

19088940397. 1

19088940398. 2

19088940399. 3

19088940400. 4

**Question Number : 26 Question Id : 19088910127 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Little leaf of brinjal is caused by

1. Bacteria
2. Fungus
3. Phytoplasma
4. Virus

Options :

19088940401. 1

19088940402. 2

19088940403. 3

19088940404. 4

Question Number : 27 Question Id : 19088910128 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The minimum isolation distance for producing certified seed of cauliflower is-

1. 1500 m
2. 1000 m
3. 2000 m
4. 500 m

Options :

19088940405. 1

19088940406. 2

19088940407. 3

19088940408. 4

Question Number : 28 Question Id : 19088910129 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which is the most commonly used propagation method in sweet potato?

1. Seeds
2. Vine cutting
3. Leave cutting
4. Root cutting

Options :

19088940409. 1

19088940410. 2

19088940411. 3

19088940412. 4

Question Number : 29 Question Id : 19088910130 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which is **NOT** a self-pollinated vegetable crop?

1. Lettuce
2. Dolichos bean
3. Kale
4. Garden pea

Options :

19088940413. 1

19088940414. 2

19088940415. 3

19088940416. 4

Question Number : 30 Question Id : 19088910131 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Dr. Pushkarnath was associated with

1. Tomato breeding
2. Okra breeding
3. Potato breeding
4. Onion breeding

Options :

19088940417. 1

19088940418. 2

19088940419. 3

19088940420. 4

Question Number : 31 Question Id : 19088910132 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following Nodal Agency coordinates the efforts of Agri-Export Zones (AEZ) ?

1. APEDA
2. ICAR
3. NABARD
4. NHB

Options :

19088940421. 1

19088940422. 2

19088940423. 3

19088940424. 4

Question Number : 32 Question Id : 19088910133 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The ploidy level of the cultivated kiwifruit (*Actinidia deliciosa*) is

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

Options :

19088940425. 1

19088940426. 2

19088940427. 3

19088940428. 4

Question Number : 33 Question Id : 19088910134 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Headquarter of International Society for Horticulture Science (ISHS) is located at

1. New Delhi
2. Newzealand
3. Belgium
4. Brazil

Options :

19088940429. 1

19088940430. 2

19088940431. 3

19088940432. 4

Question Number : 34 Question Id : 19088910135 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which kind of self-incompatibility is prevalent in almond ?

1. Sporophytic
2. Gametophytic
3. Cryptic
4. Heteromorphic

Options :

19088940433. 1

19088940434. 2

19088940435. 3

19088940436. 4

Question Number : 35 Question Id : 19088910136 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The main objective of meristem culture is

1. Somaclonal variation
2. Virus elimination
3. Nematode elimination
4. Haploid induction

Options :

19088940437. 1

19088940438. 2

19088940439. 3

19088940440. 4

Question Number : 36 Question Id : 19088910137 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

"Anlagen" is related with

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

Options :

19088940441. 1

19088940442. 2

19088940443. 3

19088940444. 4

Question Number : 37 Question Id : 19088910138 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Guava bears fruits on

1. Current season growth
2. Previous year growth
3. Spur
4. Stem

Options :

19088940445. 1

19088940446. 2

19088940447. 3

19088940448. 4

Question Number : 38 Question Id : 19088910139 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Mango rootstock, 13-1 is used to combat the problem of

1. Drought stress
2. Salt stress
3. Heat stress
4. Excess moisture

Options :

19088940449. 1

19088940450. 2

19088940451. 3

19088940452. 4

Question Number : 39 Question Id : 19088910140 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following Indian Research Institute has started work on banana genome editing?

1. ICAR-NIPB, New Delhi
2. TERI, New Delhi
3. NABI, Mohali
4. ICAR-NRC, Banana

Options :

19088940453. 1

19088940454. 2

19088940455. 3

19088940456. 4

Question Number : 40 Question Id : 19088910141 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following planting system accommodates additional filler plant in the centre?

1. Square system
2. Rectangular system
3. Quincunx system
4. Contour system

Options :

19088940457. 1

19088940458. 2

19088940459. 3

19088940460. 4

Question Number : 41 Question Id : 19088910142 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is **NOT** an important feature of Mughal Garden?

1. Terrace
2. Running Water
3. High protecting walls
4. Pagoda

Options :

19088940461. 1

19088940462. 2

19088940463. 3

19088940464. 4

Question Number : 42 Question Id : 19088910143 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

‘Applause’, is a transgenic variety of which commercial flower crops and is of which colour?

1. Chrysanthemum, Red
2. Carnation, Blue
3. Rose, Blue
4. Gerbera, Yellow

Options :

19088940465. 1

19088940466. 2

19088940467. 3

19088940468. 4

Question Number : 43 Question Id : 19088910144 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Seed rate of lawn/turf grass for developing lawn in one hectare area is

1. 5 kg/ ha
2. 25 kg/ ha
3. 50 kg/ ha
4. 100 kg/ ha

Options :

19088940469. 1

19088940470. 2

19088940471. 3

19088940472. 4

Question Number : 44 Question Id : 19088910145 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Type of flower arrangement where narrow, tall, upright containers are used, is known as

1. Moribana
2. Nageire
3. Morimono
4. Zeneika

Options :

19088940473. 1

19088940474. 2

19088940475. 3

19088940476. 4

Question Number : 45 Question Id : 19088910146 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following institute has developed rose variety 'Himalayan Wonder' ?

1. UHF, Solan
2. ICAR-IIHR, Bengaluru
3. ICAR-IARI, New Delhi
4. CSIR-IHBT, Palampur

Options :

19088940477. 1

19088940478. 2

19088940479. 3

19088940480. 4

Question Number : 46 Question Id : 19088910147 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Speciality flower 'Bird of Paradise' is native of

1. Australia
2. India
3. South America
4. South Africa

Options :

19088940481. 1

19088940482. 2

19088940483. 3

19088940484. 4

Question Number : 47 Question Id : 19088910148 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following software does not belongs to a CAD?

1. Advance Concrete
2. Advance Steel
3. NTSYS
4. Brics CAD

Options :

19088940485. 1

19088940486. 2

19088940487. 3

19088940488. 4

Question Number : 48 Question Id : 19088910149 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following state having AEZ on Floriculture ?

1. Bihar
2. Punjab
3. Tamil Nadu
4. Gujarat

Options :

19088940489. 1

19088940490. 2

19088940491. 3

19088940492. 4

Question Number : 49 Question Id : 19088910150 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is a light climber ?

1. *Hiptage benghalensis*
2. *Quisqualis indica*
3. *Wisteria sinensis*
4. *Quamoclit pinnata*

Options :

19088940493. 1

19088940494. 2

19088940495. 3

19088940496. 4

Question Number : 50 Question Id : 19088910151 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Rose species which imparted yellow colour to modern roses is

1. *Rosa damascena*
2. *Rosa foetida*
3. *Rosa canina*
4. *Rosa indica*

Options :

19088940497. 1

19088940498. 2

19088940499. 3

19088940500. 4

Question Number : 51 Question Id : 19088910152 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is a precursor of Ethylene biosynthesis?

1. Proline
2. Methionine
3. Sucrose
4. Alanine

Options :

19088940501. 1

19088940502. 2

19088940503. 3

19088940504. 4

Question Number : 52 Question Id : 19088910153 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Blanching is done in vegetables before processing to

1. Inactivate the natural enzymes
2. Spoil colour, texture and flavours
3. Improve taste and flavour
4. Facilitate processing

Options :

19088940505. 1

19088940506. 2

19088940507. 3

19088940508. 4

Question Number : 53 Question Id : 19088910154 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In Controlled atmosphere storage (CAS)

1. CO₂ level is elevated and O₂ level is lowered
2. CO₂ level is lowered and O₂ level is elevated
3. CO₂ level and O₂ level maintained at same level
4. Both CO₂ and O₂ level is lowered

Options :

19088940509. 1

19088940510. 2

19088940511. 3

19088940512. 4

Question Number : 54 Question Id : 19088910155 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Sabudana/ sago is prepared from

1. Tapioca only
2. Cassava only
3. Tapioca and Cassava
4. Potato

Options :

19088940513. 1

19088940514. 2

19088940515. 3

19088940516. 4

Question Number : 55 Question Id : 19088910156 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Tocklai Tea Experiment Station is located at

1. Ooty, Tamilnadu
2. Palampur, HP
3. Valparai, Tamil Nadu
4. Jorhat, Assam

Options :

19088940517. 1

19088940518. 2

19088940519. 3

19088940520. 4

Question Number : 56 Question Id : 19088910157 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which one is NOT a physical property of fruits and vegetables?

1. Colour
2. TSS
3. Texture
4. Structure

Options :

19088940521. 1

19088940522. 2

19088940523. 3

19088940524. 4

Question Number : 57 Question Id : 19088910158 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

If there is an acidity of 4.70% in plum pulp, how much acid will be there in 100 kg quantity?

1. 4700 gg
2. 470 kg
3. 4700 ppm
4. 47 kg

Options :

19088940525. 1

19088940526. 2

19088940527. 3

19088940528. 4

Question Number : 58 Question Id : 19088910159 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Cooking of the fruits reduces many vital nutrients and the most thermolabile component in fruits during processing is:

1. Carbohydrates
2. Minerals
3. Fats
4. Vitamins

Options :

19088940529. 1

19088940530. 2

19088940531. 3

19088940532. 4

Question Number : 59 Question Id : 19088910160 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Before drying of horticultural crops after sorting, washing and cutting which of the following is the most important step to maintain the quality of the produce?

1. Bleaching
2. Blanching
3. Squeezing
4. Cold treatment

Options :

19088940533. 1

19088940534. 2

19088940535. 3

19088940536. 4

Question Number : 60 Question Id : 19088910161 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Respiration of the horticultural crops increases after harvesting. Which of the following has extremely high respiration rate?

1. Apple
2. Broccoli
3. Apricot
4. Walnut

Options :

19088940537. 1

19088940538. 2

19088940539. 3

19088940540. 4

Question Number : 61 Question Id : 19088910162 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Citriodora leaf oil is obtained from which species?

1. *Acacia nilotica*
2. *Eucalyptus globulus*
3. *Eucalyptus citriodora*
4. *Acacia catechu*

Options :

19088940541. 1

19088940542. 2

19088940543. 3

19088940544. 4

Question Number : 62 Question Id : 19088910163 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Artemisia belongs to the Family -

1. Asteraceae
2. Poaceae
3. Moraceae
4. Scrophulariaceae

Options :

19088940545. 1

19088940546. 2

19088940547. 3

19088940548. 4

Question Number : 63 Question Id : 19088910164 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Most commonly used traditional method to extract the volatiles from aromatic plants is-

1. Hydro distillation
2. Hydrolytic maceration
3. Cold fat extraction
4. Expression

Options :

19088940549. 1

19088940550. 2

19088940551. 3

19088940552. 4

Question Number : 64 Question Id : 19088910165 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Major plant part(s) of *Catharanthus roseus* used for medicinal purposes is/are-

1. Flowers only
2. Leaves only
3. Roots only
4. Both leaves and roots

Options :

19088940553. 1

19088940554. 2

19088940555. 3

19088940556. 4

Question Number : 65 Question Id : 19088910166 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Where is ICAR – Directorate of Medicinal and Aromatic Plants Research situated?

1. Lucknow
2. Anand
3. New Delhi
4. Kolkata

Options :

19088940557. 1

19088940558. 2

19088940559. 3

19088940560. 4

Question Number : 66 Question Id : 19088910167 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Tartaric acid percentage in tamarind is

1. 15%
2. 8%
3. 20 %
4. 25 %

Options :

19088940561. 1

19088940562. 2

19088940563. 3

19088940564. 4

Question Number : 67 Question Id : 19088910168 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The inflorescence of which crop has indeterminate panicle and is polygamomonoecious?

1. Oilpalm
2. Palmyrah
3. Arecanut
4. Cashewnut

Options :

19088940565. 1

19088940566. 2

19088940567. 3

19088940568. 4

Question Number : 68 Question Id : 19088910169 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Crown choking in coconut is due to deficiency of

1. Molybdenum
2. Boron
3. Iron
4. Calcium

Options :

19088940569. 1

19088940570. 2

19088940571. 3

19088940572. 4

Question Number : 69 Question Id : 19088910170 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Tapping of rubber is done in the early hours of morning when the

1. Turgor pressure is maximum
2. Atmospheric humidity is high
3. Temperature is low
4. Light intensity is optimum

Options :

19088940573. 1

19088940574. 2

19088940575. 3

19088940576. 4

Question Number : 70 Question Id : 19088910171 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The per cent content of volatile oil in fresh curry leaves is

1. 3.6
2. 2.6
3. 1.0
4. 5.0

Options :

19088940577. 1

19088940578. 2

19088940579. 3

19088940580. 4

Part C : Post Harvest Technology Horticulture

Section Id :	190889196
Section Number :	3
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	190889236
Question Shuffling Allowed :	Yes

Question Number : 71 Question Id : 19088910172 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is NOT a postharvest disorder?

1. Black heart of potato
2. Mealiness in mango
3. Midrib browning of lettuce
4. Interveinal chlorosis of mango

Options :

19088940581. 1

19088940582. 2

19088940583. 3

19088940584. 4

Question Number : 72 Question Id : 19088910173 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Curing is NOT practiced in

1. Onion
2. Garlic
3. Sweet potato
4. Carrot

Options :

19088940585. 1

19088940586. 2

19088940587. 3

19088940588. 4

Question Number : 73 Question Id : 19088910174 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Degreening of oranges is done with

1. Low temperature storage
2. CA storage
3. Ethylene Gas @20-30 ppm
4. Waxing

Options :

19088940589. 1

19088940590. 2

19088940591. 3

19088940592. 4

Question Number : 74 Question Id : 19088910175 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the followings is an ethylene absorbant?

1. Malic acid
2. Kinetin
3. Maleic hydrazide (MH)
4. KMnO_4

Options :

19088940593. 1

19088940594. 2

19088940595. 3

19088940596. 4

Question Number : 75 Question Id : 19088910176 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the followings is a climacteric fruit?

1. Grapes
2. Citrus
3. Kiwifruit
4. Pineapple

Options :

19088940597. 1

19088940598. 2

19088940599. 3

19088940600. 4

Question Number : 76 Question Id : 19088910177 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

According to FPO, the maximum limits of SO₂ allowed in squashes and cordials is

1. 500 ppm
2. 1000 ppm
3. 350 ppm
4. 650 ppm

Options :

19088940601. 1

19088940602. 2

19088940603. 3

19088940604. 4

Question Number : 77 Question Id : 19088910178 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Hypobaric storage is also known as

1. CA storage
2. Low pressure storage
3. MA Storage
4. Cold storage

Options :

19088940605. 1

19088940606. 2

19088940607. 3

19088940608. 4

Question Number : 78 Question Id : 19088910179 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Feni is prepared from

1. Cashewnut
2. Oil palm
3. Cocoa
4. Arecanut

Options :

19088940609. 1

19088940610. 2

19088940611. 3

19088940612. 4

Question Number : 79 Question Id : 19088910180 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Assertion A : Postharvest (PH) losses in horticultural commodities occur between harvest and consumption

Reason R : These PH losses are attributed to improper stage of harvesting, poor post harvest handling, transportation and storage

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

1. Both **A** and **R** are correct and **R** is the correct explanation of **A**
2. Both **A** and **R** are correct but **R** is NOT the correct explanation of **A**
3. **A** is correct but **R** is not correct
4. **A** is not correct but **R** is correct

Options :

19088940613. 1

19088940614. 2

19088940615. 3

19088940616. 4

Question Number : 80 Question Id : 19088910181 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Assertion A : Non climacteric fruits are ready to eat at the time of harvest.

Reason R : Non climacteric fruits are generally consumed few weeks after harvesting as they ripen off the plants.

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

1. Both **A** and **R** are correct and **R** is the correct explanation of **A**
2. Both **A** and **R** are correct but **R** is NOT the correct explanation of **A**
3. **A** is correct but **R** is not correct
4. **A** is not correct but **R** is correct

Options :

19088940617. 1

19088940618. 2

19088940619. 3

19088940620. 4

Question Number : 81 Question Id : 19088910182 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Assertion A: Intermediate Moisture Food (IMF) are semi moist foods with 20-50 per cent moisture.

Reason R: IMF supports the microbial activities due to higher water activity.

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

1. Both **A** and **R** are correct and **R** is the correct explanation of **A**
2. Both **A** and **R** are correct but **R** is NOT the correct explanation of **A**
3. **A** is correct but **R** is not correct
4. **A** is not correct but **R** is correct

Options :

19088940621. 1

19088940622. 2

19088940623. 3

19088940624. 4

Question Number : 82 Question Id : 19088910183 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The major sequential postharvest operations during handling horticultural commodities are

- A. Washing, cleaning and Trimming
- B. Precooling
- C. Sorting and Grading
- D. Waxing
- E. Packaging

Choose the *correct* answer from the options given below

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

Options :

- 19088940625. 1
- 19088940626. 2
- 19088940627. 3
- 19088940628. 4

Question Number : 83 Question Id : 19088910184 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No
Correct Marks : 4 Wrong Marks : 1

Sequential steps in CTC method of Tea processing are

- A. Withering
- B. Rolling
- C. Drying
- D. Fermentation
- E. Grading

Choose the *correct* answer from the options given below

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

Options :

- 19088940629. 1
- 19088940630. 2
- 19088940631. 3
- 19088940632. 4

**Question Number : 84 Question Id : 19088910185 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Precooling of fruits is done few weeks after harvest before shipment or storage.

Statement II: Pre cooling is mainly done to remove the field heat.

In light of the above statements, choose the *correct* 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

Options :

- 19088940633. 1

19088940634. 2

19088940635. 3

19088940636. 4

**Question Number : 85 Question Id : 19088910186 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Curing is a technique where vegetables like onion, garlic and sweet potato are left in the field under shade for few days.

Statement II: Curing can be employed in all the horticultural commodities for extending the shelf life.

In light of the above statements, choose the *correct* 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

Options :

19088940637. 1

19088940638. 2

19088940639. 3

19088940640. 4

**Question Number : 86 Question Id : 19088910187 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Ethylene production rate of apple, sapota and passion fruit is lower than cherry, citrus and grapes.

Statement II: Endogenous ethylene evolution rate does not determine the shelf life of fruit.

In light of the above statements, choose the *correct* 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

Options :

19088940641. 1

19088940642. 2

19088940643. 3

19088940644. 4

Question Number : 87 Question Id : 19088910188 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Blanching is done in vegetables to facilitate the processing.

Statement II: Blanching retards the enzymatic activity, improve the colours, texture, flavour and removal the hardness.

In light of the above statements, choose the *correct* 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

Options :

19088940645. 1

19088940646. 2

19088940647. 3

Question Number : 88 Question Id : 19088910189 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

List I	List II
Type of wine	Country
A. Champagne	I. Italy
B. Port	II. Portugal
C. Muscat	III. France
D. Sherry	IV. Spain

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

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

Options :

19088940649. 1

19088940650. 2

19088940651. 3

19088940652. 4

Question Number : 89 Question Id : 19088910190 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

List I	List II
Name of the fruit	Products
A. Jackfruit	I. Vinegar
B. Jamun	II. Nectar
C. Bael	III. Pickle
D. Loquat	IV. Jam

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

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

Options :

19088940653. 1

19088940654. 2

19088940655. 3

19088940656. 4

Question Number : 90 Question Id : 19088910191 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

List I	List II
Fruit	Disorders
A. Apple	I. Blackheart
B. Avocado	II. Softnose
C. Mango	III. Endspot
D. Cherry	IV. Bitter pit

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

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

Options :

19088940657. 1

19088940658. 2

19088940659. 3

19088940660. 4

Question Number : 91 Question Id : 19088910192 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Fruits rich in Riboflavin are

- A. Bael
- B. Papaya
- C. Litchi
- D. Karonda
- E. Mango

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

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

Options :

- 19088940661. 1
- 19088940662. 2
- 19088940663. 3
- 19088940664. 4

**Question Number : 92 Question Id : 19088910193 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Bitterness in citrus is due to

A. Iso-coumarin

B. Limonine

C. Lycopene

D. Eugenol

E. Naringin

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

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

Options :

19088940665. 1

19088940666. 2

19088940667. 3

19088940668. 4

Question Number : 93 Question Id : 19088910194 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Pulsing is done by standing the harvested cut flowering for a short period in the solution of

- A. Sucrose (2-20%)
- B. Silver thiosulphate
- C. GA₃
- D. Herbicide
- E. cycocel

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

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

Options :

19088940669. 1

19088940670. 2

19088940671. 3

19088940672. 4

Question Number : 94 Question Id : 19088910195 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following institutions and organizations carry correct year of their establishment ?

A. FAO -1945

B. Essential commodity Act- 1955

C.Cold storage act -1964

D. Meat Product order- 1973

E. ISO-1987

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

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

Options :

19088940673. 1

19088940674. 2

19088940675. 3

19088940676. 4

**Question Number : 95 Question Id : 19088910196 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Given below Analytical indicators used for the estimation of the corresponding parameters

A. Sugars- Methylene Blue

B. Titratable acidity- Phenolphthalein

C. Ascorbic Acid- Indophenol Dye

D. Anothocyanin: Phenolphthalein

E. Chlorophyll content- Indophenol Dye and Polyphenol dye

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

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

Options :

19088940677. 1

19088940678. 2

19088940679. 3

19088940680. 4

**Question Number : 96 Question Id : 19088910197 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

There are a number of indices to judge the maturity of the fruits. Which one is NOT a maturity index in fruits?

1. TSS
2. Acidity
3. Shape and Size
4. Length of pedicel

Options :

19088940681. 1

19088940682. 2

19088940683. 3

19088940684. 4

Question Number : 97 Question Id : 19088910198 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The symptom of bitter pit in apple fruits is:

1. Out growth on fruits
2. Bitter taste
3. Slight depressions at calyx
4. Fungal growth on the fruit

Options :

19088940685. 1

19088940686. 2

19088940687. 3

19088940688. 4

Question Number : 98 Question Id : 19088910199 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Thompson Seedless, Black Corinth, Fiesta and Muscats varieties of grape are used as:

1. Table purpose
2. Juice making
3. Wine making
4. Raisin making

Options :

19088940689. 1

19088940690. 2

19088940691. 3

19088940692. 4

Question Number : 99 Question Id : 19088910200 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

List I	List II
Crop	Enzyme
A.Black pepper	I.Bromelain
B.Pineapple	II.Piperine
C.Ginger	III.Polyphenols
D.Tea	IV.Gingerol

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

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

Options :

19088940693. 1

19088940694. 2

19088940695. 3

19088940696. 4

Question Number : 100 Question Id : 19088910201 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Identify the maturity indices in fruit, which are indicators for the harvesting of the crop to avoid over-ripening.

1. Spot, lines
2. Hair, pits
3. Colour, TSS
4. Length, weight

Options :

19088940697. 1

19088940698. 2

19088940699. 3

19088940700. 4

Question Number : 101 Question Id : 19088910202 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In cocoa, a plantation crop rich in various vital nutrients, which component is the richest?

1. Protein
2. Carbohydrates
3. Fat
4. Calcium

Options :

19088940701. 1

19088940702. 2

19088940703. 3

19088940704. 4

Question Number : 102 Question Id : 19088910203 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

List I	List II
Treatment	Process followed
A. Sulphuring	I. Tea leaves preparation
B. Sulphiting	II. Pre-treatment before drying of fruits
C. Withering	III. Pre-treatment before drying of vegetables
D. De-greening	IV. Citrus fruits

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

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

Options :

19088940705. 1

19088940706. 2

19088940707. 3

19088940708. 4

Question Number : 103 Question Id : 19088910204 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Assertion A: Sorting, grading and proper packing of fruits & vegetables helps to increase the shelf life of these perishables.

Reasoning R: Different graded fruits & vegetables should be packed together which will increase the shelf life due to same respiration rate.

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

1. Both **A** and **R** are correct and **R** is the correct explanation of **A**
2. Both **A** and **R** are correct and **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

Options :

19088940709. 1

19088940710. 2

19088940711. 3

19088940712. 4

Question Number : 104 Question Id : 19088910205 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

For waxing, which one of the following activities is performed before the wax is coated on fruits?

1. Humidity is increased
2. Natural wax is removed
3. Hot water dip is given
4. Exogenous application of ethylene

Options :

19088940713. 1

19088940714. 2

19088940715. 3

19088940716. 4

**Question Number : 105 Question Id : 19088910206 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Which one of the following is NOT responsible for spoilage of fruits and vegetables after harvest?

1. Micro-organisms
2. Enzymes
3. Temperature
4. Cold chain

Options :

19088940717. 1

19088940718. 2

19088940719. 3

19088940720. 4

**Question Number : 106 Question Id : 19088910207 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

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

Assertion A: Cold sterilization of fruits and vegetables which is achieved using irradiation kills the microbes present on the outer surface of the produce.

Reasoning R: The irradiated fruits & vegetables are not safe for consumption as the colour & appearance, quality and taste is changed causing a number of health related issues.

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

1. Both **A** and **R** are correct and **R** is the correct explanation of **A**
2. Both **A** and **R** are correct and **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

Options :

19088940721. 1

19088940722. 2

19088940723. 3

19088940724. 4

Question Number : 107 Question Id : 19088910208 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

If any preservative is to be added @1.7% in any value added product, what will be its concentration in ppm?

1. 170000
2. 17000
3. 1700
4. 170

Options :

19088940725. 1

19088940726. 2

19088940727. 3

19088940728. 4

Question Number : 108 Question Id : 19088910209 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Spoilage of tropical fruits and vegetables because of storage at very low temperature is called

1. Chilling injury
2. Frost injury
3. Cold injury
4. Thermal injury

Options :

19088940729. 1

19088940730. 2

19088940731. 3

19088940732. 4

Question Number : 109 Question Id : 19088910210 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Assertion A: Out of modified atmosphere storage (MA) and controlled atmosphere storage (CA), MA has more shelf life of different perishables

Reasoning R: The concentration of O_2 is low and CO_2 is high in the chamber of controlled atmosphere storage (CA) helping to increase the shelf life of the produce

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

1. Both **A** and **R** are correct and **R** is the correct explanation of **A**
2. Both **A** and **R** are correct and **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

Options :

19088940733. 1

19088940734. 2

19088940735. 3

19088940736. 4

**Question Number : 110 Question Id : 19088910211 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement –I: In India, after harvesting about 25-30% of the horticultural produce is spoiled till it reaches the consumers due to various factors like poor packing, poor transportation and lack of low temperature storage structures.

Statement –II: The factors like high temperature, more respiration rate of the produce and mishandling of the fresh commodities are not mainly responsible for large scale loss.

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

Options :

19088940737. 1

19088940738. 2

19088940739. 3

19088940740. 4

**Question Number : 111 Question Id : 19088910212 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Terminalia bellirica, a medicinal fruit, is generally used for making which of the following product?

1. Ayurvedic medicine
2. Herbal medicine
3. Decoction
4. Antifungal medicine

Options :

19088940741. 1

19088940742. 2

19088940743. 3

19088940744. 4

Question Number : 112 Question Id : 19088910213 Question Type : MCQ Option Shuffling : No**Is Question Mandatory : No****Correct Marks : 4 Wrong Marks : 1**

Match List I with List II

List I	List II
Horticultural crop	Component present
A. Mint	I. Diosgenic
B. Rosemary	II. Withanone
C. Dioscorea	III. Menthol
D. Ashwagandha	IV. Caffeic Acid

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

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

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

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

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

Options :

19088940745. 1

19088940746. 2

19088940747. 3

19088940748. 4

Question Number : 113 Question Id : 19088910214 Question Type : MCQ Option Shuffling : No**Is Question Mandatory : No****Correct Marks : 4 Wrong Marks : 1**

Which one of the following is the latest packaging technique that provides information on freshness, gas leakage, microbial contamination, and actual shelf life of the packed horticultural commodity?

1. Shrink wrapping
2. Polyethylene packaging
3. Active packaging
4. Intelligent packaging

Options :

19088940749. 1

19088940750. 2

19088940751. 3

19088940752. 4

Question Number : 114 Question Id : 19088910215 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

Assertion A: India has emerged as world 2nd largest producer of fruits and vegetables but the processing of perishables is hardly 10% of the total produce.

Reasoning R: Commercial processing units for fruits and vegetables are less as compared to developed countries which is major cause for large scale spoilage in India.

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

1. Both **A** and **R** are correct and **R** is the correct explanation of **A**
2. Both **A** and **R** are correct and **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

Options :

19088940753. 1

19088940754. 2

19088940755. 3

19088940756. 4

Question Number : 115 Question Id : 19088910216 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

After harvesting the fruits and vegetables, the steps followed for proper postharvest management are:

- A. Washing
- B. Packing
- C. Grading
- D. Labelling
- E. Sorting

Choose the *correct* answer from the options given below

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

Options :

19088940757. 1

19088940758. 2

19088940759. 3

19088940760. 4

Question Number : 116 Question Id : 19088910217 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Ethylene gas which starts increasing with maturity helps fruits in

1. Maturity
2. Ripening
3. Growth
4. Preservation

Options :

19088940761. 1

19088940762. 2

19088940763. 3

19088940764. 4

**Question Number : 117 Question Id : 19088910218 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

For canning of pineapple rings, arrange the following steps involved in sequence:

A. Peeling & slicing of the fruit

B. Adding sugar syrup in cans

C. Filling the cans with slices

D. Processing of cans

E. Seaming of the cans

Choose the *correct* answer from the options given below

1. A, B, C, D, E

2. A, C, B, E, D

3. B, A, C, E, D

4. A, D, E, B, C

Options :

19088940765. 1

19088940766. 2

19088940767. 3

19088940768. 4

**Question Number : 118 Question Id : 19088910219 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Keeping in view the respiration rate, pomegranate and apple are respectively-

1. Berry, stone
2. Non-climacteric, climacteric
3. Pome, drupe
4. Blueberry, raspberry

Options :

19088940769. 1

19088940770. 2

19088940771. 3

19088940772. 4

**Question Number : 119 Question Id : 19088910220 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

For microbiological analysis, the total plate count as CFU of the products prepared from horticultural crops, incubation of the sample is generally done at which temperature?

1. 35.0 degree celcius
2. 40.0 degree celcius
3. 39.5 degree celcius
4. 37.0 degree celcius

Options :

19088940773. 1

19088940774. 2

19088940775. 3

19088940776. 4

**Question Number : 120 Question Id : 19088910221 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

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

Assertion A: Low cost structure zero energy cool chamber prepared from bricks is suitable for storage of perishables in the areas having low humidity and high temperature.

Reasoning R: The doubled walled brick structure with sand between two walls maintains a high temperature and low humidity required for the storage of fruits and vegetables.

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

1. Both **A** and **R** are correct and **R** is the correct explanation of **A**
2. Both **A** and **R** are correct and **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

Options :

19088940777. 1

19088940778. 2

19088940779. 3

19088940780. 4