

National Testing Agency

Question Paper Name :	Floriculture and Landscape Architecture 17th September Shift 2
Subject Name :	Floriculture and Landscape Architecture
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Floriculture and Landscape Architecture

Group Number :	1
Group Id :	19088988
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 :	190889188
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 :	190889228
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 1908899862 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 :

19088939341. 1
19088939342. 2
19088939343. 3
19088939344. 4

Question Number : 2 Question Id : 1908899863 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 :

- 19088939345. 1
- 19088939346. 2
- 19088939347. 3
- 19088939348. 4

Question Number : 3 Question Id : 1908899864 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 :

- 19088939349. 1
- 19088939350. 2
- 19088939351. 3
- 19088939352. 4

Question Number : 4 Question Id : 1908899865 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 :

- 19088939353. 1
- 19088939354. 2
- 19088939355. 3

19088939356. 4

Question Number : 5 Question Id : 1908899866 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 :

19088939357. 1

19088939358. 2

19088939359. 3

19088939360. 4

Question Number : 6 Question Id : 1908899867 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 :

19088939361. 1

19088939362. 2

19088939363. 3

19088939364. 4

Question Number : 7 Question Id : 1908899868 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 :

19088939365. 1

19088939366. 2

19088939367. 3

19088939368. 4

Question Number : 8 Question Id : 1908899869 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 :

19088939369. 1

19088939370. 2

19088939371. 3

19088939372. 4

Question Number : 9 Question Id : 1908899870 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 :

19088939373. 1

19088939374. 2

19088939375. 3

19088939376. 4

Question Number : 10 Question Id : 1908899871 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 :

19088939377. 1

19088939378. 2

19088939379. 3

19088939380. 4

Question Number : 11 Question Id : 1908899872 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 :

19088939381. 1

19088939382. 2

19088939383. 3

19088939384. 4

Question Number : 12 Question Id : 1908899873 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 :

19088939385. 1

19088939386. 2

19088939387. 3

19088939388. 4

Question Number : 13 Question Id : 1908899874 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 :

19088939389. 1

19088939390. 2

19088939391. 3

19088939392. 4

Question Number : 14 Question Id : 1908899875 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 :

19088939393. 1

19088939394. 2

19088939395. 3

19088939396. 4

Question Number : 15 Question Id : 1908899876 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 :

19088939397. 1

19088939398. 2

19088939399. 3

19088939400. 4

Question Number : 16 Question Id : 1908899877 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 :

19088939401. 1

19088939402. 2

19088939403. 3

19088939404. 4

Question Number : 17 Question Id : 1908899878 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 :

19088939405. 1

19088939406. 2

19088939407. 3

19088939408. 4

Question Number : 18 Question Id : 1908899879 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 :

19088939409. 1

19088939410. 2

19088939411. 3

19088939412. 4

Question Number : 19 Question Id : 1908899880 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 :

19088939413. 1

19088939414. 2

19088939415. 3

19088939416. 4

Question Number : 20 Question Id : 1908899881 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 :

19088939417. 1

19088939418. 2

19088939419. 3

19088939420. 4

Part B Core : Horticulture

Section Id : 190889189

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 :	190889229
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 1908899882 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 :

- 19088939421. 1
- 19088939422. 2
- 19088939423. 3
- 19088939424. 4

Question Number : 22 Question Id : 1908899883 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 :

19088939425. 1

19088939426. 2

19088939427. 3

19088939428. 4

Question Number : 23 Question Id : 1908899884 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 :

19088939429. 1

19088939430. 2

19088939431. 3

19088939432. 4

Question Number : 24 Question Id : 1908899885 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 :

19088939433. 1

19088939434. 2

19088939435. 3

19088939436. 4

Question Number : 25 Question Id : 1908899886 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 :

19088939437. 1

19088939438. 2

19088939439. 3

19088939440. 4

Question Number : 26 Question Id : 1908899887 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 :

19088939441. 1

19088939442. 2

19088939443. 3

19088939444. 4

Question Number : 27 Question Id : 1908899888 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 :

19088939445. 1

19088939446. 2

19088939447. 3

19088939448. 4

Question Number : 28 Question Id : 1908899889 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 :

19088939449. 1

19088939450. 2

19088939451. 3

19088939452. 4

Question Number : 29 Question Id : 1908899890 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 :

19088939453. 1

19088939454. 2

19088939455. 3

19088939456. 4

Question Number : 30 Question Id : 1908899891 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 :

19088939457. 1

19088939458. 2

19088939459. 3

19088939460. 4

Question Number : 31 Question Id : 1908899892 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 :

19088939461. 1

19088939462. 2

19088939463. 3

19088939464. 4

Question Number : 32 Question Id : 1908899893 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 :

19088939465. 1

19088939466. 2

19088939467. 3

19088939468. 4

Question Number : 33 Question Id : 1908899894 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 :

19088939469. 1

19088939470. 2

19088939471. 3

19088939472. 4

Question Number : 34 Question Id : 1908899895 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 :

19088939473. 1

19088939474. 2

19088939475. 3

19088939476. 4

Question Number : 35 Question Id : 1908899896 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 :

19088939477. 1

19088939478. 2

19088939479. 3

19088939480. 4

Question Number : 36 Question Id : 1908899897 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 :

19088939481. 1

19088939482. 2

19088939483. 3

19088939484. 4

Question Number : 37 Question Id : 1908899898 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 :

19088939485. 1

19088939486. 2

19088939487. 3

19088939488. 4

Question Number : 38 Question Id : 1908899899 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 :

19088939489. 1

19088939490. 2

19088939491. 3

19088939492. 4

Question Number : 39 Question Id : 1908899900 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 :

19088939493. 1

19088939494. 2

19088939495. 3

19088939496. 4

Question Number : 40 Question Id : 1908899901 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 :

19088939497. 1

19088939498. 2

19088939499. 3

19088939500. 4

Question Number : 41 Question Id : 1908899902 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 :

19088939501. 1

19088939502. 2

19088939503. 3

19088939504. 4

Question Number : 42 Question Id : 1908899903 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 :

19088939505. 1

19088939506. 2

19088939507. 3

19088939508. 4

Question Number : 43 Question Id : 1908899904 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 :

19088939509. 1

19088939510. 2

19088939511. 3

19088939512. 4

Question Number : 44 Question Id : 1908899905 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 :

19088939513. 1

19088939514. 2

19088939515. 3

19088939516. 4

Question Number : 45 Question Id : 1908899906 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 :

19088939517. 1

19088939518. 2

19088939519. 3

19088939520. 4

Question Number : 46 Question Id : 1908899907 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 :

19088939521. 1

19088939522. 2

19088939523. 3

19088939524. 4

Question Number : 47 Question Id : 1908899908 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 :

19088939525. 1

19088939526. 2

19088939527. 3

19088939528. 4

Question Number : 48 Question Id : 1908899909 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 :

19088939529. 1

19088939530. 2

19088939531. 3

19088939532. 4

Question Number : 49 Question Id : 1908899910 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 :

19088939533. 1

19088939534. 2

19088939535. 3

19088939536. 4

Question Number : 50 Question Id : 1908899911 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 :

19088939537. 1

19088939538. 2

19088939539. 3

19088939540. 4

Question Number : 51 Question Id : 1908899912 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 :

19088939541. 1

19088939542. 2

19088939543. 3

19088939544. 4

Question Number : 52 Question Id : 1908899913 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 :

19088939545. 1

19088939546. 2

19088939547. 3

19088939548. 4

Question Number : 53 Question Id : 1908899914 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 :

19088939549. 1

19088939550. 2

19088939551. 3

19088939552. 4

Question Number : 54 Question Id : 1908899915 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 :

19088939553. 1

19088939554. 2

19088939555. 3

19088939556. 4

Question Number : 55 Question Id : 1908899916 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 :

19088939557. 1

19088939558. 2

19088939559. 3

19088939560. 4

Question Number : 56 Question Id : 1908899917 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 :

19088939561. 1

19088939562. 2

19088939563. 3

19088939564. 4

Question Number : 57 Question Id : 1908899918 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 :

19088939565. 1

19088939566. 2

19088939567. 3

19088939568. 4

Question Number : 58 Question Id : 1908899919 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 :

19088939569. 1

19088939570. 2

19088939571. 3

19088939572. 4

Question Number : 59 Question Id : 1908899920 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 :

19088939573. 1

19088939574. 2

19088939575. 3

19088939576. 4

Question Number : 60 Question Id : 1908899921 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 :

19088939577. 1

19088939578. 2

19088939579. 3

19088939580. 4

Question Number : 61 Question Id : 1908899922 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 :

19088939581. 1

19088939582. 2

19088939583. 3

19088939584. 4

Question Number : 62 Question Id : 1908899923 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 :

19088939585. 1

19088939586. 2

19088939587. 3

19088939588. 4

Question Number : 63 Question Id : 1908899924 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 :

19088939589. 1

19088939590. 2

19088939591. 3

19088939592. 4

Question Number : 64 Question Id : 1908899925 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 :

19088939593. 1

19088939594. 2

19088939595. 3

19088939596. 4

Question Number : 65 Question Id : 1908899926 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 :

19088939597. 1

19088939598. 2

19088939599. 3

19088939600. 4

Question Number : 66 Question Id : 1908899927 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 :

19088939601. 1

19088939602. 2

19088939603. 3

19088939604. 4

Question Number : 67 Question Id : 1908899928 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 :

19088939605. 1

19088939606. 2

19088939607. 3

19088939608. 4

Question Number : 68 Question Id : 1908899929 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 :

19088939609. 1

19088939610. 2

19088939611. 3

19088939612. 4

Question Number : 69 Question Id : 1908899930 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 :

19088939613. 1

19088939614. 2

19088939615. 3

19088939616. 4

Question Number : 70 Question Id : 1908899931 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 :

19088939617. 1

19088939618. 2

19088939619. 3

19088939620. 4

Part C : Floriculture and Landscape Architecture

Section Id : 190889190

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 : 190889230

Question Shuffling Allowed : Yes

Question Number : 71 Question Id : 1908899932 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
A. <i>Cosmos bipinnatus</i>	I. X = 7
B. <i>Antirrhinum majus</i>	II. X = 15
C. <i>Rosa hybrida</i>	III. X = 8
D. <i>Anthurium andraeanum</i>	IV. X = 12

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

Options :

19088939621. 1

19088939622. 2

19088939623. 3

19088939624. 4

Question Number : 72 Question Id : 1908899933 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Turf grass '*Poa pratensis*' is highly suitable for making lawn in cool season, whereas, turf grass '*Stenotaphrum secundatum*' in warm season.

Statement II: Turf grasses are easily distinguished from sedges and rushes by Three ranked arrangement of leaves

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 :

19088939625. 1

19088939626. 2

19088939627. 3

19088939628. 4

Question Number : 73 Question Id : 1908899934 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Ploidy level of cultivar 'Delhi Crossandra' of Crossandra flower crop is

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

Options :

19088939629. 1

19088939630. 2

19088939631. 3

19088939632. 4

Question Number : 74 Question Id : 1908899935 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

'Rose Lantern' is a cultivar of

1. *Tagetes erecta*
2. *Rosa hybrida*
3. *Polianthes tuberosa*
4. *Koelreuteria paniculata*

Options :

19088939633. 1

19088939634. 2

19088939635. 3

19088939636. 4

Question Number : 75 Question Id : 1908899936 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Seasonal flower '*Matthiola incana*' belongs to family

1. Acanthaceae
2. Asteraceae
3. Caryophyllaceae
4. Brassicaceae

Options :

19088939637. 1

19088939638. 2

19088939639. 3

19088939640. 4

Question Number : 76 Question Id : 1908899937 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: Warm season turf grass, *Cynodon dactylon* is fast-growing and commercially used for development of lawns, parks, golf courses and athletic fields in India.

Reason R: *Cynodon dactylon* has fast growth due to the presence of both rhizomes and stolons and fibrous perennial deep root system

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

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

Options :

19088939641. 1

19088939642. 2

19088939643. 3

Question Number : 77 Question Id : 1908899938 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following gene is responsible for cold tolerance in petunia flower crop?

A. *ICE3* gene from *Arabidopsis thaliana*

B. *LTP* gene from *Oryza Sativa*

C. *DREB1C* from *Medicago truncatula*

D. *DFR* from *Petunia hybrida*

Choose the correct answer from the options given below:

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

Options :

19088939645. 1

19088939646. 2

19088939647. 3

19088939648. 4

Question Number : 78 Question Id : 1908899939 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The important oxygenator plants of a water garden are

A. *Vallisneria spiralis*

B. *Eichhornia speciosa*

C. *Elodea canadensis*

D. *Aponogeton distanchys*

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

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

Options :

19088939649. 1

19088939650. 2

19088939651. 3

19088939652. 4

Question Number : 79 Question Id : 1908899940 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
A. Pusa Alpana	I. China Aster
B. Pusa Deep	II. Rose
C. Arka Aadya	III. Crossandra
D. Arka Chenna	IV. Marigold

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

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

Options :

19088939653. 1

19088939654. 2

19088939655. 3

19088939656. 4

Question Number : 80 Question Id : 1908899941 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: The crop, floor and other objects absorb long wave thermal radiations and emit short wave thermal radiations, hence leads to increased temperature inside the greenhouse.

Statement II: Above 40° N latitude, single span greenhouse is oriented in East-West direction, whereas, below 40° N latitude, this greenhouse is oriented in North-South direction

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 :

19088939657. 1

19088939658. 2

19088939659. 3

19088939660. 4

Question Number : 81 Question Id : 1908899942 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Stem absorption method of tinting is used to impart colour to which of the following flower crops ?

1. *Tagetes erecta*
2. *Dianthus caryophyllus*
3. *Jasminum sambac*
4. *Bellis perennis*

Options :

19088939661. 1

19088939662. 2

19088939663. 3

19088939664. 4

Question Number : 82 Question Id : 1908899943 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The Phyllody and witches'-broom disease of rose flower crops is caused by -

1. Fungus
2. Nutrient deficiency
3. Phytoplasma
4. Water deficiency

Options :

19088939665. 1

19088939666. 2

19088939667. 3

19088939668. 4

Question Number : 83 Question Id : 1908899944 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The first structural gene *S- linalool synthase* encoding a floral scent biosynthesis enzyme was isolated from

1. *Dianthus caryophyllus*
2. *Petunia hybrida*
3. *Clarkia breweri*
4. *Gerbera jamesonii*

Options :

19088939669. 1

19088939670. 2

19088939671. 3

19088939672. 4

Question Number : 84 Question Id : 1908899945 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following are C₃ turf/lawn grasses?

- A. *Agrostis stolonifera*
- B. *Cynodon dactylon*
- C. *Lolium perene*
- D. *Paspalum notatum*

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

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

Options :

19088939673. 1

19088939674. 2

19088939675. 3

19088939676. 4

Question Number : 85 Question Id : 1908899946 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following organizations are associated with the protection of plant varieties?

- A. UPOV, Geneva, Switzerland
- B. WHO, Geneva, Switzerland
- C. CIOPORA, Geneva, Switzerland
- D. CSIR, New Delhi, India

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

- 1. A only
- 2. C only
- 3. A and C only
- 4. D only

Options :

19088939677. 1

19088939678. 2

19088939679. 3

19088939680. 4

Question Number : 86 Question Id : 1908899947 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: In marigold, triploid hybrids such as Nugget Series were developed from cross between *Tagetes erecta* and *Tagetes patula* and hence, produce large flowers having longer duration.

Reason R: The flowers of triploid hybrids are fertile and have high seed set due to which they remain fresh on the plant for longer duration

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 :

19088939681. 1

19088939682. 2

19088939683. 3

19088939684. 4

Question Number : 87 Question Id : 1908899948 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
A. Dethatching	I. Year-round lawn cover
B. Core aeration	II. Cutting lawn/turf grass for enhancing aesthetics
C. Winter overseeding	III. Removal of dead and decaying debris
D. Mowing	IV. Reduce soil compaction

Choose the correct answer from the options given below:

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

Options :

19088939685. 1

19088939686. 2

19088939687. 3

19088939688. 4

Question Number : 88 Question Id : 1908899949 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Marigold is commercially propagated through seeds; however, Gaillardia is propagated through cuttings.

Statement II: Petalous male sterile lines in marigold are propagated through cuttings or micropropagation.

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 :

19088939689. 1

19088939690. 2

19088939691. 3

19088939692. 4

Question Number : 89 Question Id : 1908899950 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Salt tolerant gene in chrysanthemum is

1. *acc gene*
2. *DgNAC1*
3. *F3' 5' H gene*
4. AFLP

Options :

19088939693. 1

19088939694. 2

19088939695. 3

19088939696. 4

Question Number : 90 Question Id : 1908899951 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Carotenoid expression in petunia is controlled by

1. Many dominant genes
2. Single dominant gene
3. Many recessive genes
4. Single recessive gene

Options :

19088939697. 1

19088939698. 2

19088939699. 3

19088939700. 4

Question Number : 91 Question Id : 1908899952 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The main softwares used for garden image processing are

A. *CAD*

B. *3DMAX*

C. *DARWIN*

D. *STRUCTURE*

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

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

Options :

19088939701. 1

19088939702. 2

19088939703. 3

19088939704. 4

Question Number : 92 Question Id : 1908899953 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
A. <i>acc & aco</i> gene	I. Modified plant architecture
B. <i>dfr, chs, & F3' 5' H</i>	II. Glyphosate tolerance
C. <i>ipt & gai</i>	III. Delayed senescence
D. <i>EPSP synthase</i> gene	IV. Colour modification

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

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

Options :

19088939705. 1

19088939706. 2

19088939707. 3

19088939708. 4

Question Number : 93 Question Id : 1908899954 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: A planned group of lines in a landscape composition does not direct the attention of the viewer to the focal point or particular area of interest in the composition

Reason R: Lines have crucial role in controlling movement either visual or physical, in straight or curved direction.

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 :

19088939709. 1

19088939710. 2

19088939711. 3

19088939712. 4

Question Number : 94 Question Id : 1908899955 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Make the correct sequence of steps involve in the development of Blue Rose

- A. Isolation of blue gene from blue flower
- B. Propagation of callus with gene
- C. Regeneration of plant from the callus with gene
- D. Induction of callus from rose leaf
- E. Hardening of blue rose plant in greenhouse
- F. Introduction of gene into the callus and selection

Choose the *correct* answer from the options given below

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

Options :

19088939713. 1

19088939714. 2

19088939715. 3

19088939716. 4

Question Number : 95 Question Id : 1908899956 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Make the correct sequence of steps involve in the micro-propagation of flower crops

- A. Hardening of the plants
- B. Rhizogenesis
- C. Proliferation and elongation
- D. Inoculation of the explant
- E. Explant preparation

Choose the *correct* answer from the options given below

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

Options :

19088939717. 1

19088939718. 2

19088939719. 3

19088939720. 4

Question Number : 96 Question Id : 1908899957 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
A. Molecular marker	I. Sanger method
B. DNA sequencing	II. SSR
C. Reporter gene	III. CaMV35S
D. Promoter	IV. GUS

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

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

Options :

19088939721. 1

19088939722. 2

19088939723. 3

19088939724. 4

Question Number : 97 Question Id : 1908899958 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Rhythm and proportion are elements of landscaping, while lines and texture are principles of landscaping.

Statement II: Fragrance and sound are intangible; however, plants and stones are tangible enrichments items of any garden.

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 :

19088939725. 1

19088939726. 2

19088939727. 3

19088939728. 4

Question Number : 98 Question Id : 1908899959 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Process of induction of haploids and double haploids from male gamete cells is called as

1. Gynogenesis
2. Androgenesis
3. Rhizogenesis
4. Caulogenesis

Options :

19088939729. 1

19088939730. 2

19088939731. 3

19088939732. 4

Question Number : 99 Question Id : 1908899960 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following group of genus *Lilium* have 'Pavia' and 'Brindisi' varieties?

1. Oriental
2. Asiatic
3. LA hybrids
4. LO hybrids

Options :

19088939733. 1

19088939734. 2

19088939735. 3

19088939736. 4

Question Number : 100 Question Id : 1908899961 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Negative heterosis in flower crops is desirable for which of the following trait ?

1. Flower yield
2. Number of flowers
3. Number of seeds
4. Days to flowering

Options :

19088939737. 1

19088939738. 2

19088939739. 3

19088939740. 4

Question Number : 101 Question Id : 1908899962 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: In roses, pruning is carried out to remove unproductive growth, to produce strong and healthy shoots bearing quality blooms and to allow light and air to reach the centre of the plant.

Reason R: The shape and form of the rose plant is maintained by stenting.

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 :

19088939741. 1

19088939742. 2

19088939743. 3

19088939744. 4

Question Number : 102 Question Id : 1908899963 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following species of rose have been genome sequenced ?

A. *Rosa × damascena*

B. *Rosa chinensis*

C. *Rosa multiflora*

D. *Rosa indica*

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

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

Options :

19088939745. 1

19088939746. 2

19088939747. 3

19088939748. 4

**Question Number : 103 Question Id : 1908899964 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Which of the following orchids are monopodial and epiphytic ?

A. *Phalaenopsis*

B. *Dendrobium*

C. *Vanda*

D. *Phaius*

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

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

Options :

19088939749. 1

19088939750. 2

19088939751. 3

19088939752. 4

**Question Number : 104 Question Id : 1908899965 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Arrange the following steps of marigold hybrid development in correct sequence

A. Parents selection and hybrid development

B. Development of inbred lines

C. Combining ability testing of inbred lines

D. Seed production of hybrids

E. Testing of hybrids

Choose the *correct* answer from the options given below

1. C, D, E, B, A

2. B, C, A, E, D

3. A, D, C, B, E

4. A, D, E, C, B

Options :

19088939753. 1

19088939754. 2

19088939755. 3

19088939756. 4

**Question Number : 105 Question Id : 1908899966 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
A. Carotenoids	I. <i>Kochia scoparia</i>
B. Anthocyanins	II. <i>Calendula officinalis</i>
C. Betalains	III. <i>Petunia hybrida</i>
D. Chlorophyll	IV. <i>Portulaca grandiflora</i>

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

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

Options :

19088939757. 1

19088939758. 2

19088939759. 3

19088939760. 4

Question Number : 106 Question Id : 1908899967 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: In freeze drying method, flowers and foliages are dried in specimen chamber of dryer at -35°C temperature.

Statement II: Desiccants are hygroscopic chemicals that helps to maintain suppleness of dried flowers and foliages by attracting the water vapour from the surrounding air.

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 :

19088939761. 1

19088939762. 2

19088939763. 3

19088939764. 4

Question Number : 107 Question Id : 1908899968 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is coarse texture turf grass used to prepare lawns?

1. *Agrostis stolonifera*
2. *Festuca rubra*
3. *Stenotaphrum secundatum*
4. *Buchloe dactyloides*

Options :

19088939765. 1

19088939766. 2

19088939767. 3

19088939768. 4

Question Number : 108 Question Id : 1908899969 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Calculate the amount in grams of 2500 ppm GA₃ with 20% extra quantity used for growth regulation in chrysanthemum?

1. 1.0 g
2. 2.0 g
3. 3.0 g
4. 4.0 g

Options :

19088939769. 1

19088939770. 2

19088939771. 3

19088939772. 4

Question Number : 109 Question Id : 1908899970 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following gas is mostly used in supercritical fluid extraction method of essential oil extraction?

1. Oxygen
2. Nitrogen
3. Carbon dioxide
4. Helium

Options :

19088939773. 1

19088939774. 2

19088939775. 3

19088939776. 4

Question Number : 110 Question Id : 1908899971 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: Marigold is one of the most popular loose flowers for decoration and is utilized for garland making for religious and social functions.

Reason R: Marigold has become popular among Indian farmers due to easy cultivation, wide adaptability and year-round flower production

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

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

Options :

19088939777. 1

19088939778. 2

19088939779. 3

19088939780. 4

Question Number : 111 Question Id : 1908899972 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In which of the following storage methods, cut flowers are preserved in gas tight cool chambers having high CO₂ and Low O₂?

- A. Low pressure storage
- B. Modified atmosphere storage
- C. Controlled Atmosphere Storage
- D. Room Temperature storage

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

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

Options :

19088939781. 1

19088939782. 2

19088939783. 3

19088939784. 4

Question Number : 112 Question Id : 1908899973 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following genes are responsible for drought tolerance in *chrysanthemum morifolium* flower crop ?

- A. *P5CS1* and *P5CS2* from *Chrysanthemum lavandulifolium*
- B. *P5CS* from *Arabidopsis thaliana*
- C. *ICE1* from *Chrysanthemum dichrum*
- D. *Fro2* gene from *Arabidopsis thaliana*

Choose the correct answer from the options given below:

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

Options :

19088939785. 1

19088939786. 2

19088939787. 3

19088939788. 4

Question Number : 113 Question Id : 1908899974 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following loose flower crop cannot be stored at temperature below 15° C ?

- A. Scented rose
- B. Barleria
- C. Crossandra
- D. Marigold

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

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

Options :

19088939789. 1

19088939790. 2

19088939791. 3

19088939792. 4

Question Number : 114 Question Id : 1908899975 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
A. Attractive berry	I. <i>Hamelia patens</i>
B. Variegated foliage	II. <i>Gardenia jasminoides</i>
C. Ever blooming	III. <i>Cassia carandas</i>
D. Fragrance	IV. <i>Codiaeum variegatum</i>

Choose the correct answer from the options given below:

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

Options :

19088939793. 1

19088939794. 2

19088939795. 3

19088939796. 4

Question Number : 115 Question Id : 1908899976 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: Essential oils from jasmine can be extracted by using cold fat and solvent extraction methods for further use in perfumery, snuff, soaps and cosmetic industries.

Reason R: The major constituents of jasmine oil are benzyl acetate, geraniol, eugenol, nerol, indole, benzaldehyde, benzyl alcohol, etc. which makes oil suitable for use in perfumery.

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

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

Options :

19088939797. 1

19088939798. 2

19088939799. 3

19088939800. 4

Question Number : 116 Question Id : 1908899977 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is an optimum temperature for growing Anthuriums in greenhouse ?

1. 12-18° C
2. 35-40 ° X
3. 20-27° X
4. 5-10° X

Options :

19088939801. 1

19088939802. 2

19088939803. 3

19088939804. 4

Question Number : 117 Question Id : 1908899978 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following criterion/criteria, a plant variety must satisfy for its protection ?

- A. Novelty
- B. Distinctiveness
- C. Uniformity
- D. Stability

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

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

Options :

19088939805. 1

19088939806. 2

19088939807. 3

19088939808. 4

Question Number : 118 Question Id : 1908899979 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Most of the CAD softwares work on UNIX and LINUX based computers, whereas, few of them works on Windows-based personal computers.

Statement II: ArchiCAD software is able to create 2D drawings as well as parametric 3D geometry on personal computers

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 :

19088939809. 1

19088939810. 2

19088939811. 3

19088939812. 4

Question Number : 119 Question Id : 1908899980 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The optimum relative humidity and electrical conductivity in greenhouse should be

1. 40-50%; 3-5ds/m
2. 60-65%; 1-3ds/m
3. 80-90%; 5-8ds/m
4. 60-70%;3-8ds/m

Options :

19088939813. 1

19088939814. 2

19088939815. 3

19088939816. 4

Question Number : 120 Question Id : 1908899981 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Make the correct sequence of steps involve in the DNA fingerprinting of flower crops using SSR markers

- A. DNA fragment separation using gel electrophoresis
- B. SSR sequence amplification through PCR
- C. DNA isolation and quantification
- D. Scoring of amplified product and data analysis

Choose the *correct* answer from the options given below

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

Options :

19088939817. 1

19088939818. 2

19088939819. 3

19088939820. 4