

## National Testing Agency

**Question Paper Name:** HORTICULTURE PG 1st July 2019 Shift2  
**Subject Name:** HORTICULTURE PG  
**Creation Date:** 2019-07-01 18:50:35  
**Duration:** 150  
**Total Marks:** 640  
**Display Marks:** Yes  
**Share Answer Key With Delivery Engine:** Yes  
**Actual Answer Key:** Yes

## HORTICULTURE PG

**Group Number :** 1  
**Group Id :** 55317215  
**Group Maximum Duration :** 0  
**Group Minimum Duration :** 150  
**Revisit allowed for view? :** No  
**Revisit allowed for edit? :** No  
**Break time:** 0  
**Group Marks:** 640

## Part A : HORTICULTURE PG

**Section Id :** 55317223  
**Section Number :** 1  
**Section type :** Online  
**Mandatory or Optional:** Mandatory  
**Number of Questions:** 160  
**Number of Questions to be attempted:** 160  
**Section Marks:** 640  
**Display Number Panel:** Yes  
**Group All Questions:** No

**Sub-Section Number:** 1  
**Sub-Section Id:** 55317245  
**Question Shuffling Allowed :** Yes

**Question Number : 1 Question Id : 5531722435 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**  
**Single Line Question Option : No Option Orientation : Vertical**

**Correct Marks : 4 Wrong Marks : 1**

Etawah pilot project for rural planning and development was put into practice in the year?

1. 1948
2. 1950
3. 1952
4. 1962

Options :

5531729681. 1  
5531729682. 2  
5531729683. 3  
5531729684. 4

Question Number : 2 Question Id : 5531722436 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The first KVK of the country was established at Puducherry during the year

1. 1960
2. 1974
3. 1980
4. 1985

Options :

5531729685. 1  
5531729686. 2  
5531729687. 3  
5531729688. 4

Question Number : 3 Question Id : 5531722437 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

According to international system, the particle diameter of silt varies from

1. 0.05 – 0.002 mm
2. 0.5 – 0.25 mm
3. 1.0 – 0.5 mm
4. 2 – 1 mm

Options :

5531729689. 1  
5531729690. 2  
5531729691. 3  
5531729692. 4

Question Number : 4 Question Id : 5531722438 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1



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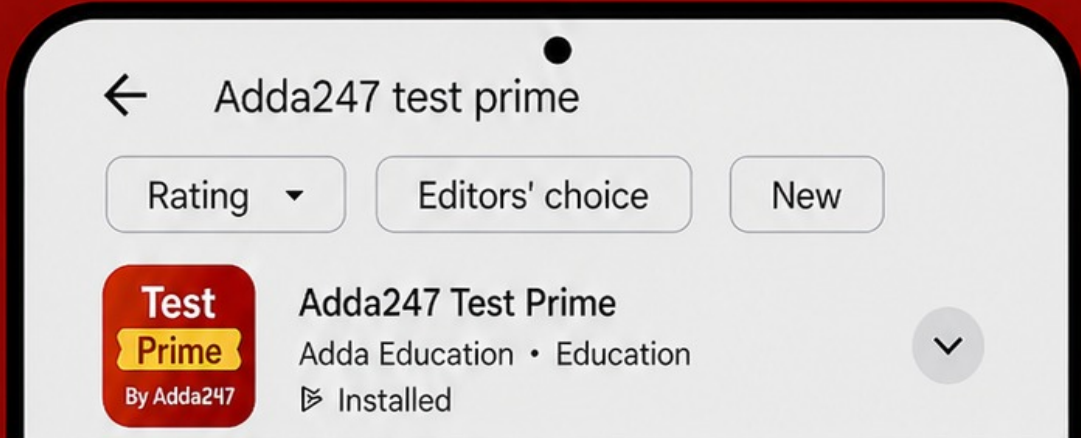
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The soils which are low in organic matter, high in clay content and high in cation exchange capacity are

1. Black soils
2. Alluvial soils
3. Red soils
4. Laterites

Options :

5531729693. 1

5531729694. 2

5531729695. 3

5531729696. 4

Question Number : 5 Question Id : 5531722439 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The chromosome number of common rice, *Oryza sativa* is

1. 12
2. 24
3. 36
4. 48

Options :

5531729697. 1

5531729698. 2

5531729699. 3

5531729700. 4

Question Number : 6 Question Id : 5531722440 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Lal Ambri apple hybrid is a cross between

1. Red delicious × Ambri
2. Ambri × Red delicious
3. Richared × Ambri
4. Ambri × Richared

Options :

5531729701. 1

5531729702. 2

5531729703. 3

5531729704. 4

Question Number : 7 Question Id : 5531722441 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Mango hybrid which have Alphonso like characters but do not suffer from spongy tissue is

1. Arka Puneet
2. Pusa Pectamber
3. Sindhu
4. Mallika

Options :

5531729705. 1

5531729706. 2

5531729707. 3

5531729708. 4

Question Number : 8 Question Id : 5531722442 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following statement is NOT true for Papaya variety CO – 6?

1. A selection from Pusa Majesty
2. Gynodioecious
3. Large size fruit
4. Dwarf stature

Options :

5531729709. 1

5531729710. 2

5531729711. 3

5531729712. 4

Question Number : 9 Question Id : 5531722443 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is 'Na' excluder rootstock of citrus?

1. Trifoliate orange
2. Sour orange
3. Rangpur lime
4. Citron

Options :

5531729713. 1

5531729714. 2

5531729715. 3

5531729716. 4

Question Number : 10 Question Id : 5531722444 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Parent of Pusa Peetamber mango hybrid is

1. Amrapali × Sensation
2. Pusa Arunima × Tomy Atkin
3. Amrapali × Lal Sundari
4. Mallika × Sensation

Options :

5531729717. 1  
5531729718. 2  
5531729719. 3  
5531729720. 4

Question Number : 11 Question Id : 5531722445 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Pusa Srijan is a rootstock of

1. Citrus
2. Guava
3. Grape
4. Mango

Options :

5531729721. 1  
5531729722. 2  
5531729723. 3  
5531729724. 4

Question Number : 12 Question Id : 5531722446 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Rootstock suitable for ultra-high density in citrus

1. Chinato
2. Flying Dragon
3. Eremocitrus
4. Microcitrus

Options :

5531729725. 1  
5531729726. 2  
5531729727. 3  
5531729728. 4

Question Number : 13 Question Id : 5531722447 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following statement is NOT true about the physiological basis for rooting of cuttings?

1. Auxin level is related to rooting
2. High CHO and optimum N increase root growth
3. Rooting co-factor has a role in rooting
4. Co-factors are inorganic compound

Options :

5531729729. 1

5531729730. 2

5531729731. 3

5531729732. 4

Question Number : 14 Question Id : 5531722448 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Modi apple (Liberty × Gala) was introduced in India from

1. Italy
2. Turkey
3. Poland
4. USA

Options :

5531729733. 1

5531729734. 2

5531729735. 3

5531729736. 4

Question Number : 15 Question Id : 5531722449 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Kala Amritsari is a variety of

1. Peach
2. Sweet Potato
3. Potato
4. Plum

Options :

5531729737. 1

5531729738. 2

5531729739. 3

5531729740. 4

Question Number : 16 Question Id : 5531722450 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Fruit fly and powdery mildew are major problems in cultivation of which of the following crops?

1. Guava
2. Ber
3. Grapes
4. Apple

Options :

5531729741. 1  
5531729742. 2  
5531729743. 3  
5531729744. 4

Question Number : 17 Question Id : 5531722451 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following in mango is mediated by dominant gene ?

1. Peel colour
2. Dwarfism
3. Precocity
4. Regular bearing

Options :

5531729745. 1  
5531729746. 2  
5531729747. 3  
5531729748. 4

Question Number : 18 Question Id : 5531722452 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Pusa Abhinav is a variety of

1. Acid lime
2. Sweet orange
3. Guava
4. Mango

Options :

5531729749. 1  
5531729750. 2  
5531729751. 3  
5531729752. 4

Question Number : 19 Question Id : 5531722453 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Aonla variety Krishana is a chance seedling from which of the following?

1. Banarsi
2. Chakaiya
3. Francis
4. Neelum

Options :

5531729753. 1  
5531729754. 2  
5531729755. 3  
5531729756. 4

Question Number : 20 Question Id : 5531722454 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is NOT a gynodioecious cultivar of papaya?

1. Coorg Honey Dew
2. Pusa Mejesty
3. Pusa Delicious
4. Pusa Dwarf

Options :

5531729757. 1  
5531729758. 2  
5531729759. 3  
5531729760. 4

Question Number : 21 Question Id : 5531722455 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Northern Spy is resistant to

1. Apple scale
2. Powdery mildew
3. Bitter pit
4. Woolly apple aphid

Options :

5531729761. 1  
5531729762. 2  
5531729763. 3  
5531729764. 4

Question Number : 22 Question Id : 5531722456 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Blastomaenia is physiological disorder of

1. Grape
2. Peach
3. Strawberry
4. Citrus

Options :

5531729765. 1  
5531729766. 2  
5531729767. 3  
5531729768. 4

Question Number : 23 Question Id : 5531722457 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Crown chocking in coconut in due to deficiency of

1. Nitrogen
2. Potash
3. Boron
4. Calcium

Options :

5531729769. 1  
5531729770. 2  
5531729771. 3  
5531729772. 4

Question Number : 24 Question Id : 5531722458 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Rose hip is richest source of

1. Vitamin C
2. Vitamin A
3. Chlorophyll
4. Lycopene

Options :

5531729773. 1  
5531729774. 2  
5531729775. 3  
5531729776. 4

Question Number : 25 Question Id : 5531722459 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The right stage for banana harvest is when ridges on the surface of the skin changes from

1. Angular to round
2. Round to angular
3. Vertical to angular
4. Angular to vertical

Options :

5531729777. 1

5531729778. 2

5531729779. 3

5531729780. 4

Question Number : 26 Question Id : 5531722460 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Pectin in fruit is present in the form of

1. Pectinaze
2. Calcium chloride
3. Calcium nitrate
4. Calcium pectate

Options :

5531729781. 1

5531729782. 2

5531729783. 3

5531729784. 4

Question Number : 27 Question Id : 5531722461 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Turpentine is a polyembryonic rootstock of

1. Apple
2. Grape
3. Mango
4. Plum

Options :

5531729785. 1

5531729786. 2

5531729787. 3

5531729788. 4

Question Number : 28 Question Id : 5531722462 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Central Citrus Research Institute is located at

1. Nagpur
2. Pune
3. Ludhiana
4. Jorhat

Options :

5531729789. 1  
5531729790. 2  
5531729791. 3  
5531729792. 4

Question Number : 29 Question Id : 5531722463 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Variety of papaya is

1. Red Lady
2. Pusa Mridula
3. Pusa Khor
4. Arka Arun

Options :

5531729793. 1  
5531729794. 2  
5531729795. 3  
5531729796. 4

Question Number : 30 Question Id : 5531722464 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Disease of papaya at nursery stage is

1. Damping off
2. Wilting
3. Anthracnose
4. Downy mildew

Options :

5531729797. 1  
5531729798. 2  
5531729799. 3  
5531729800. 4

Question Number : 31 Question Id : 5531722465 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Sweet orange variety developed by IARI, New Delhi is

1. Pusa Surya
2. Pusa Sukomal
3. Pusa Round
4. Pusa Shrestha

Options :

5531729801. 1  
5531729802. 2  
5531729803. 3  
5531729804. 4

Question Number : 32 Question Id : 5531722466 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The major share of fruits and vegetable export from India is in which country?

1. United Arab Emirates
2. Russia
3. Europe
4. USA

Options :

5531729805. 1  
5531729806. 2  
5531729807. 3  
5531729808. 4

Question Number : 33 Question Id : 5531722467 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following vegetables is NOT a fruit?

1. Tomato
2. Cauliflower
3. Brinjal
4. Okra

Options :

5531729809. 1  
5531729810. 2  
5531729811. 3  
5531729812. 4

Question Number : 34 Question Id : 5531722468 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The Arid zone has total growing period of

1. 90 days
2. 100 days
3. 150 – 210 days
4. 210 – 270 days

Options :

5531729813. 1  
5531729814. 2  
5531729815. 3  
5531729816. 4

Question Number : 35 Question Id : 5531722469 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

High pressure drip system works at operating pressure of

1. 30 psi
2. Less than 30 psi
3. More than 30 psi
4. More than 40 psi

Options :

5531729817. 1  
5531729818. 2  
5531729819. 3  
5531729820. 4

Question Number : 36 Question Id : 5531722470 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following fungus causes wilting in Guava?

1. Fusarium
2. Phytophthora
3. Alternaria
4. Colletotricum

Options :

5531729821. 1  
5531729822. 2  
5531729823. 3  
5531729824. 4

Question Number : 37 Question Id : 5531722471 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Dwarf variety of Mango is

1. Mallika
2. Langra
3. Amrapali
4. Ratna

Options :

5531729825. 1  
5531729826. 2  
5531729827. 3  
5531729828. 4

Question Number : 38 Question Id : 5531722472 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Patharnakh is a variety of

1. Apple
2. Pear
3. Peach
4. Plum

Options :

5531729829. 1  
5531729830. 2  
5531729831. 3  
5531729832. 4

Question Number : 39 Question Id : 5531722473 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The use of rootstocks has been exploited more in which crop?

1. Temperate fruits
2. Subtropical fruits
3. Tropical fruits
4. Plantation crops

Options :

5531729833. 1  
5531729834. 2  
5531729835. 3  
5531729836. 4

Question Number : 40 Question Id : 5531722474 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is NOT a salt resistant rootstock of grapes?

1. Dogridge
2. Salt Creak
3. 1613
4. 1813

Options :

5531729837. 1  
5531729838. 2  
5531729839. 3  
5531729840. 4

Question Number : 41 Question Id : 5531722475 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one is a seedless variety of mango?

1. Arka puneat
2. Amarpali
3. Sindhu
4. Mallika

Options :

5531729841. 1  
5531729842. 2  
5531729843. 3  
5531729844. 4

Question Number : 42 Question Id : 5531722476 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Late maturity variety of ber is

1. Gola
2. Seb
3. Murdia
4. Umran

Options :

5531729845. 1  
5531729846. 2  
5531729847. 3  
5531729848. 4

Kagzi lime is the best indicator for

1. Tristeza
2. Leaf curl
3. Greening
4. Xyloporosis

Options :

5531729849. 1

5531729850. 2

5531729851. 3

5531729852. 4

Question Number : 44 Question Id : 5531722478 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Regularity in bearing of mango to some extent can be induced with the application of

1. Paclobutrazol
2. Auxin
3. Ethephon
4. ABA

Options :

5531729853. 1

5531729854. 2

5531729855. 3

5531729856. 4

Question Number : 45 Question Id : 5531722479 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which disease mostly occurs in high density planting in banana?

1. Sigatoka leaf spot
2. Bunchy top
3. Panama wilt
4. Finger tip

Options :

5531729857. 1

5531729858. 2

5531729859. 3

5531729860. 4

Question Number : 46 Question Id : 5531722480 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Marmalade is prepared from pulp of which of the following fruits?

1. Mango
2. Citrus
3. Guava
4. Pomegranate

Options :

5531729861. 1  
5531729862. 2  
5531729863. 3  
5531729864. 4

Question Number : 47 Question Id : 5531722481 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In guava 'Mrig Bahar' season bears flowering in which month?

1. November – December
2. February – March
3. June – July
4. October – November

Options :

5531729865. 1  
5531729866. 2  
5531729867. 3  
5531729868. 4

Question Number : 48 Question Id : 5531722482 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Shoot Tip grafting is used to produce plants free from

1. Virus
2. Bacteria
3. Fungi
4. Nematodes

Options :

5531729869. 1  
5531729870. 2  
5531729871. 3  
5531729872. 4

Question Number : 49 Question Id : 5531722483 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Most widely used plant growth regulator in viticulture for berry elongation is

1. GA<sub>3</sub>
2. 2, 4 – D
3. NAA
4. IAA

Options :

5531729873. 1

5531729874. 2

5531729875. 3

5531729876. 4

Question Number : 50 Question Id : 5531722484 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Guava bears fruits mostly from

1. One-year old shoots
2. Spurs
3. Current season growth
4. Very old shoots

Options :

5531729877. 1

5531729878. 2

5531729879. 3

5531729880. 4

Question Number : 51 Question Id : 5531722485 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which type of Apomixis is found in citrus?

1. Polyembryony
2. Recurrent
3. Vegetative
4. Non-recurrent

Options :

5531729881. 1

5531729882. 2

5531729883. 3

5531729884. 4

Question Number : 52 Question Id : 5531722486 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The training system followed in pomegranate is

1. Open centre
2. Central leader
3. Multistem
4. Spindle bush

Options :

- 5531729885. 1
- 5531729886. 2
- 5531729887. 3
- 5531729888. 4

Question Number : 53 Question Id : 5531722487 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Pasteurization of fruits and vegetables juice is done at what temperature for 30 minutes?

1. 85 – 90°C
2. 105 – 110°C
3. 45 – 50°C
4. 65 – 70°C

Options :

- 5531729889. 1
- 5531729890. 2
- 5531729891. 3
- 5531729892. 4

Question Number : 54 Question Id : 5531722488 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Banana hybrid for subsistence farming having medium to high resistance to leaf spot, wilt and nematodes is

1. H-1
2. H-2
3. CO-1
4. Gold finger

Options :

- 5531729893. 1
- 5531729894. 2
- 5531729895. 3
- 5531729896. 4

Question Number : 55 Question Id : 5531722489 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Vector of citrus greening disease is

1. Psylla
2. Aphid
3. Leaf miner
4. Scale insect

Options :

5531729897. 1  
5531729898. 2  
5531729899. 3  
5531729900. 4

Question Number : 56 Question Id : 5531722490 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Monoembryonic citrus genotypes is

1. Pummelo
2. Grape fruit
3. Acid lime
4. Sweet orange

Options :

5531729901. 1  
5531729902. 2  
5531729903. 3  
5531729904. 4

Question Number : 57 Question Id : 5531722491 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Bronzing in guava is due to deficiency of

1. Zn
2. Mn
3. Mg
4. Cu

Options :

5531729905. 1  
5531729906. 2  
5531729907. 3  
5531729908. 4

Question Number : 58 Question Id : 5531722492 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The arrangement of ornamental plants around a tree is known as

1. Trophy
2. Topiary
3. Ikebana
4. Carpet bed

Options :

5531729909. 1  
5531729910. 2  
5531729911. 3  
5531729912. 4

Question Number : 59 Question Id : 5531722493 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Bottom heat treatment is related to

1. Budding
2. Microbudding
3. Cutting
4. Layering

Options :

5531729913. 1  
5531729914. 2  
5531729915. 3  
5531729916. 4

Question Number : 60 Question Id : 5531722494 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Arka Manorma is the hybrid of

1. Gladiolus
2. Carnation
3. Tuberose
4. Chrysanthemum

Options :

5531729917. 1  
5531729918. 2  
5531729919. 3  
5531729920. 4

Question Number : 61 Question Id : 5531722495 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is a purple flowered tree?

1. *Bahunia purpurea*
2. *Cassia javanica*
3. *Cassia fistula*
4. *Corlia sebestira*

Options :

5531729921. 1  
5531729922. 2  
5531729923. 3  
5531729924. 4

Question Number : 62 Question Id : 5531722496 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

*Tecomma grandiflora* is a

1. Climbing plant
2. Shrub
3. Evergreen tree
4. Deciduous tree

Options :

5531729925. 1  
5531729926. 2  
5531729927. 3  
5531729928. 4

Question Number : 63 Question Id : 5531722497 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Chasma Shahi in Srinagar is an example of which type of garden?

1. Mughal garden
2. Japanese garden
3. French garden
4. English Garden

Options :

5531729929. 1  
5531729930. 2  
5531729931. 3  
5531729932. 4

Question Number : 64 Question Id : 5531722498 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Stenting is done in

1. Rose
2. Carnation
3. Chrysanthemum
4. Gladiolus

Options :

5531729933. 1  
5531729934. 2  
5531729935. 3  
5531729936. 4

Question Number : 65 Question Id : 5531722499 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The floribunda roses have been developed from the cross between

1. Hybrid Perpetual × Polyanta
2. Hybrid Tea × Polyanta
3. Hybrid Polyanta × Tea rose
4. Hybrid Perpetual × Tea rose

Options :

5531729937. 1  
5531729938. 2  
5531729939. 3  
5531729940. 4

Question Number : 66 Question Id : 5531722500 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The best time for taking terminal cutting in Chrysanthemum is

1. Mid-June to end of June
2. April
3. Mid-August to mid-September
4. October

Options :

5531729941. 1  
5531729942. 2  
5531729943. 3  
5531729944. 4

Question Number : 67 Question Id : 5531722501 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following chrysanthemum varieties is not suitable for garland purpose?

1. Baggi
2. Basanti
3. Shanti
4. Birbal Sahani

Options :

5531729945. 1  
5531729946. 2  
5531729947. 3  
5531729948. 4

Question Number : 68 Question Id : 5531722502 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

National Botanical Research Institute is situated at

1. Lucknow
2. Pune
3. New Delhi
4. Hyderabad

Options :

5531729949. 1  
5531729950. 2  
5531729951. 3  
5531729952. 4

Question Number : 69 Question Id : 5531722503 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The art of training plant into different shapes, is known as

1. Hedge
2. Topiary
3. Edge
4. Parabola

Options :

5531729953. 1  
5531729954. 2  
5531729955. 3  
5531729956. 4

Question Number : 70 Question Id : 5531722504 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Pruning of rose under North Indian conditions is done during

1. March-April
2. May-June
3. October-November
4. December-January

Options :

5531729957. 1  
5531729958. 2  
5531729959. 3  
5531729960. 4

Question Number : 71 Question Id : 5531722505 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is a sympodial orchid?

1. *Phalaenopsis*
2. *Renanthera*
3. *Vanda*
4. *Cattleya*

Options :

5531729961. 1  
5531729962. 2  
5531729963. 3  
5531729964. 4

Question Number : 72 Question Id : 5531722506 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

International flower auction centre in India is situated at

1. New Delhi
2. Bengaluru
3. Chennai
4. West Bengal

Options :

5531729965. 1  
5531729966. 2  
5531729967. 3  
5531729968. 4

Question Number : 73 Question Id : 5531722507 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Plant growth regulator used for improving rooting in cuttings is

1. IBA
2. GA<sub>3</sub>
3. CCC
4. BA

Options :

5531729969. 1  
5531729970. 2  
5531729971. 3  
5531729972. 4

Question Number : 74 Question Id : 5531722508 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The area of the home, which is viewable from the street is known as

1. Approach or Front
2. Public or Front
3. Approach or Public
4. Approach or Front or Public

Options :

5531729973. 1  
5531729974. 2  
5531729975. 3  
5531729976. 4

Question Number : 75 Question Id : 5531722509 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is commonly known as sword lily?

1. Tuberose
2. Carnation
3. Gladiolus
4. Daffodil

Options :

5531729977. 1  
5531729978. 2  
5531729979. 3  
5531729980. 4

Question Number : 76 Question Id : 5531722510 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Name the technology which is used to produce 'Flave Save' tomatoes with increased shelf-life

1. Over expression of ACC deaminase
2. Over expression of S adenosyl
3. Down regulation of ACC oxidase
4. Inhibition of ACC synthase

Options :

- 5531729981. 1
- 5531729982. 2
- 5531729983. 3
- 5531729984. 4

Question Number : 77 Question Id : 5531722511 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

How many genes have been reported for powdery mildew resistance in pea?

1. Single recessive 'er'
2. Two recessive genes 'er<sub>1</sub>' and 'er<sub>2</sub>'
3. One recessive (er) and one dominant (Er)
4. Two recessive (er<sub>1</sub> and er<sub>2</sub>) and one dominant (Er<sub>3</sub>)

Options :

- 5531729985. 1
- 5531729986. 2
- 5531729987. 3
- 5531729988. 4

Question Number : 78 Question Id : 5531722512 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The progenitor of cultivated cucumber is

1. *Cucumis humifractus*
2. *Cucumis hystibus*
3. *Cucumis metuliferus*
4. *Cucumis hardwickii*

Options :

- 5531729989. 1
- 5531729990. 2
- 5531729991. 3
- 5531729992. 4

Question Number : 79 Question Id : 5531722513 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Durgapur Kesar is variety of

1. Watermelon
2. Pumpkin
3. Muskmelon
4. Summer squash

Options :

5531729993. 1  
5531729994. 2  
5531729995. 3  
5531729996. 4

Question Number : 80 Question Id : 5531722514 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A triploid watermelon variety Pusa Bedana was released in:

1. 1970
2. 1972
3. 1976
4. 1982

Options :

5531729997. 1  
5531729998. 2  
5531729999. 3  
55317210000. 4

Question Number : 81 Question Id : 5531722515 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Contribution of vegetables in horticulture sector in India is about

1. 40%
2. 50%
3. 60%
4. 70%

Options :

55317210001. 1  
55317210002. 2  
55317210003. 3  
55317210004. 4

Question Number : 82 Question Id : 5531722516 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

For chips industry, what should be the optimum dry matter content of potato tuber?

1. 10%
2. 10% - 15%
3. 5% - 10%
4. > 20%

Options :

55317210005. 1  
55317210006. 2  
55317210007. 3  
55317210008. 4

Question Number : 83 Question Id : 5531722517 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Cauliflower originated from

1. Mediterranean region
2. South and Central America
3. Iran
4. Africa

Options :

55317210009. 1  
55317210010. 2  
55317210011. 3  
55317210012. 4

Question Number : 84 Question Id : 5531722518 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Scooping operation is adopted in which crop?

1. Cauliflower
2. Knolkhol
3. Cabbage
4. Kale

Options :

55317210013. 1  
55317210014. 2  
55317210015. 3  
55317210016. 4

Question Number : 85 Question Id : 5531722519 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Monohybrids are derived by hybridizing two individuals which differ for

1. Single character
2. Double character
3. Quadruple character
4. Multiple character

Options :

55317210017. 1  
55317210018. 2  
55317210019. 3  
55317210020. 4

Question Number : 86 Question Id : 5531722520 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Sweet potato requires photoperiod of how many hours?

1. 7 hours
2. 13 hours
3. 9.5 hours
4. 11 hours

Options :

55317210021. 1  
55317210022. 2  
55317210023. 3  
55317210024. 4

Question Number : 87 Question Id : 5531722521 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In tomato yellow colour of fruit is due to which pigment?

1. Lycopene
2. Anthocyanin
3. Carotenoid
4. Xanthophyll

Options :

55317210025. 1  
55317210026. 2  
55317210027. 3  
55317210028. 4

Question Number : 88 Question Id : 5531722522 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In vegetable improvements programmes, which hybridization method is most commonly used?

1. Interspecific hybridization
2. Intergeneric hybridization
3. Intervarietal hybridization
4. Distant hybridization

Options :

55317210029. 1

55317210030. 2

55317210031. 3

55317210032. 4

Question Number : 89 Question Id : 5531722523 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which wild species of brinjal carrying resistance to shoot and fruit borer

1. *Solanum mammosum*
2. *S. sisymbriifolium*
3. *S. incanuum*
4. *S. torum*

Options :

55317210033. 1

55317210034. 2

55317210035. 3

55317210036. 4

Question Number : 90 Question Id : 5531722524 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Deficiency of molybdenum in cauliflower leads to

1. Brown rot
2. Whiptail
3. Riceynees
4. Sunscalding

Options :

55317210037. 1

55317210038. 2

55317210039. 3

55317210040. 4

Edible part of tomato is

1. Pericarp and placentae
2. Succulents thalamus
3. Mesocarp
4. Endocarp

Options :

55317210041. 1  
55317210042. 2  
55317210043. 3  
55317210044. 4

Question Number : 92 Question Id : 5531722526 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Mole sterility is common in

1. Carrot
2. Bean
3. Okra
4. Palak

Options :

55317210045. 1  
55317210046. 2  
55317210047. 3  
55317210048. 4

Question Number : 93 Question Id : 5531722527 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which nutrient has role in chlorophyll synthesis?

1. Nitrogen
2. Phosphorus
3. Calcium
4. Iron

Options :

55317210049. 1  
55317210050. 2  
55317210051. 3  
55317210052. 4

Question Number : 94 Question Id : 5531722528 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Homozygosity and homogeneity are maximum in

1. Pure line
2. Inbred line
3. Land races
4. Synthetic varieties

Options :

55317210053. 1  
55317210054. 2  
55317210055. 3  
55317210056. 4

Question Number : 95 Question Id : 5531722529 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which type of plant is ideal in cauliflower?

1. Type I
2. Type II
3. Type III
4. Type IV

Options :

55317210057. 1  
55317210058. 2  
55317210059. 3  
55317210060. 4

Question Number : 96 Question Id : 5531722530 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

'Palam Triloki' is a variety of

1. Tomato
2. Garden pea
3. French bean
4. Broccoli

Options :

55317210061. 1  
55317210062. 2  
55317210063. 3  
55317210064. 4

Question Number : 97 Question Id : 5531722531 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

For population improvement in any crop, the best method is

1. Pure line selection
2. Pedigree selection
3. Mass selection
4. Recurrent selection

Options :

- 55317210065. 1
- 55317210066. 2
- 55317210067. 3
- 55317210068. 4

Question Number : 98 Question Id : 5531722532 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is protandrous?

1. Tomato
2. Cauliflower
3. Onion
4. French bean

Options :

- 55317210069. 1
- 55317210070. 2
- 55317210071. 3
- 55317210072. 4

Question Number : 99 Question Id : 5531722533 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Name the type of male sterility commonly used in hybrid development of cole crops?

1. Genetic male
2. Cytoplasmic male sterility
3. Cytoplasmic genic male sterility
4. Chemical hybridizing agents (CHA)

Options :

- 55317210073. 1
- 55317210074. 2
- 55317210075. 3
- 55317210076. 4

Question Number : 100 Question Id : 5531722534 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

GMS in chilli is maintained through

1. Heterozygous pollinator
2. Homozygous pollinator
3. Mutation
4. Polyploidy

Options :

55317210077. 1  
55317210078. 2  
55317210079. 3  
55317210080. 4

Question Number : 101 Question Id : 5531722535 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

What is the seed rate of onion for raising seedling for one-hectare area?

1. 3-5 kg
2. 5-7 kg
3. 8-10 kg
4. 12-14 kg

Options :

55317210081. 1  
55317210082. 2  
55317210083. 3  
55317210084. 4

Question Number : 102 Question Id : 5531722536 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Self-core Asiatic type variety of carrot is

1. Pusa Kesar
2. Pusa Rudhira
3. Pusa Vrishti
4. Nantes

Options :

55317210085. 1  
55317210086. 2  
55317210087. 3  
55317210088. 4

Question Number : 103 Question Id : 5531722537 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Little leaf of brinjal is caused by

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

Options :

55317210089. 1  
55317210090. 2  
55317210091. 3  
55317210092. 4

Question Number : 104 Question Id : 5531722538 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Indian Institute of Vegetable Research is located at

1. New Delhi
2. Varanasi
3. Bangalore
4. Mumbai

Options :

55317210093. 1  
55317210094. 2  
55317210095. 3  
55317210096. 4

Question Number : 105 Question Id : 5531722539 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Pear shaped tomato fruit variety is

1. Pure Gaurav
2. Pure Sheetal
3. Punjab Keshari
4. Punjab Chhuhara

Options :

55317210097. 1  
55317210098. 2  
55317210099. 3  
55317210100. 4

Question Number : 106 Question Id : 5531722540 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Name the wild species of tomato which is salt tolerant?

1. *Solanum cheesmanii*
2. *S. pimpinellifolium*
3. *S. chilense*
4. *S. pennelli*

Options :

55317210101. 1  
55317210102. 2  
55317210103. 3  
55317210104. 4

Question Number : 107 Question Id : 5531722541 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

What kind of gene action determines the curd colour in cauliflower?

1. Duplicate
2. Complementary
3. Polymeric
4. Inhibitory

Options :

55317210105. 1  
55317210106. 2  
55317210107. 3  
55317210108. 4

Question Number : 108 Question Id : 5531722542 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In cauliflower, which gene is responsible for accumulating  $\beta$ -carotene?

1. Mi
2. B
3. Or
4. ACr

Options :

55317210109. 1  
55317210110. 2  
55317210111. 3  
55317210112. 4

Question Number : 109 Question Id : 5531722543 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Name the tomato hybrid carrying resistance to three major disease?

1. Arka Ananya
2. Arka Rakshak
3. Arka Alok
4. Arka Abha

Options :

55317210113. 1  
55317210114. 2  
55317210115. 3  
55317210116. 4

Question Number : 110 Question Id : 5531722544 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which bean is cultivated during winter season?

1. Phaseolus vulgaris
2. Vicia faba
3. Lablab purpureus
4. Phaseolous luntatus

Options :

55317210117. 1  
55317210118. 2  
55317210119. 3  
55317210120. 4

Question Number : 111 Question Id : 5531722545 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Ideal range of soil temperature for seed germination of pumpkin ranges between

1. 20 - 25°C
2. 30 - 35°C
3. 5 - 10°C
4. 15 - 20°C

Options :

55317210121. 1  
55317210122. 2  
55317210123. 3  
55317210124. 4

Question Number : 112 Question Id : 5531722546 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Chromosome number of capsicum  $2n$  is equal to

1. 24
2. 26
3. 18
4. 32

Options :

55317210125. 1  
55317210126. 2  
55317210127. 3  
55317210128. 4

Question Number : 113 Question Id : 5531722547 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is a salad vegetables crop based on its classification?

1. Onion
2. Tomato
3. Lettuce
4. Carrot

Options :

55317210129. 1  
55317210130. 2  
55317210131. 3  
55317210132. 4

Question Number : 114 Question Id : 5531722548 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Palak variety tolerant to cercospora leaf spot is

1. Pura Jyoti
2. Arka Harit
3. Pant Composite-I
4. Jobneer Green

Options :

55317210133. 1  
55317210134. 2  
55317210135. 3  
55317210136. 4

Question Number : 115 Question Id : 5531722549 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Triploid cassava variety is –

1. CO-2
2. Sree Harsha
3. Sree Savya
4. Sree Ratna

Options :

55317210137. 1  
55317210138. 2  
55317210139. 3  
55317210140. 4

Question Number : 116 Question Id : 5531722550 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Selfing and massing is useful for the improvement of which of the following vegetable crops ?

1. Onion
2. Cabbage
3. Tomato
4. Spinach

Options :

55317210141. 1  
55317210142. 2  
55317210143. 3  
55317210144. 4

Question Number : 117 Question Id : 5531722551 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

What should be the optimum total soluble solids ( $^{\circ}$  brix) for processing tomato?

1. < 2.5
2. 2.5-3.5
3. 3.5-5.0
4. 5.5 or more

Options :

55317210145. 1  
55317210146. 2  
55317210147. 3  
55317210148. 4

Question Number : 118 Question Id : 5531722552 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Vacuum cooling most suitable for

1. Tuber crops
2. Fruits
3. Flowers
4. Leafy vegetables

Options :

55317210149. 1  
55317210150. 2  
55317210151. 3  
55317210152. 4

Question Number : 119 Question Id : 5531722553 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

For low sugar content, potato tubers are stored at

1. 5°C
2. 10°C
3. 15°C
4. 20°C

Options :

55317210153. 1  
55317210154. 2  
55317210155. 3  
55317210156. 4

Question Number : 120 Question Id : 5531722554 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In sauerkraut, fermentation is started by

1. *Leuconostoc mesenteroides*
2. *Lactobacillus brevis*
3. *Pedioeoccus cerevisiae*
4. *Lacbabacillus plantarum*

Options :

55317210157. 1  
55317210158. 2  
55317210159. 3  
55317210160. 4

Question Number : 121 Question Id : 5531722555 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following solanaceous vegetable crops has maximum seed productivity per unit area?

1. Tomato
2. Chilli
3. Bell pepper
4. Brinjal

Options :

55317210161. 1  
55317210162. 2  
55317210163. 3  
55317210164. 4

Question Number : 122 Question Id : 5531722556 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

White brinjal is recommended for

1. Diabetes
2. Heart disease
3. Skin disease
4. Cancer

Options :

55317210165. 1  
55317210166. 2  
55317210167. 3  
55317210168. 4

Question Number : 123 Question Id : 5531722557 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Pusa Parvati is a variety of French bean developed through

1. Clonal selection
2. Mass selection
3. Mutation breeding
4. Pedigree selection

Options :

55317210169. 1  
55317210170. 2  
55317210171. 3  
55317210172. 4

Question Number : 124 Question Id : 5531722558 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

What is the optimum temperature for growth and heading of cabbage?

1. 5 – 10°C
2. 10 – 15°C
3. 15 – 20°C
4. 25 – 30°C

Options :

55317210173. 1  
55317210174. 2  
55317210175. 3  
55317210176. 4

Question Number : 125 Question Id : 5531722559 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The first tropical variety of cabbage which can set seed in North Indian plains is

1. Pusa samandh
2. Pusa Ageti
3. Colden Aere
4. Pusa Drum head

Options :

55317210177. 1  
55317210178. 2  
55317210179. 3  
55317210180. 4

Question Number : 126 Question Id : 5531722560 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Sugarcane production is maximum in which State?

1. Tamil Nadu
2. Maharashtra
3. Uttar Pradesh
4. Madhya Pradesh

Options :

55317210181. 1  
55317210182. 2  
55317210183. 3  
55317210184. 4

Question Number : 127 Question Id : 5531722561 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which is non-mineral nutrient essential for plants?

1. Nitrogen
2. Phosphorus
3. Carbon
4. Potassium

Options :

- 55317210185. 1
- 55317210186. 2
- 55317210187. 3
- 55317210188. 4

Question Number : 128 Question Id : 5531722562 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Longest meiotic phase is

1. Metaphase
2. Anaphase
3. Telophase
4. Prophase

Options :

- 55317210189. 1
- 55317210190. 2
- 55317210191. 3
- 55317210192. 4

Question Number : 129 Question Id : 5531722563 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The colour of golden rice is due to

1. Carotene
2. Xanthophyll
3. Loss of Chlorophyll
4. Lycopene

Options :

- 55317210193. 1
- 55317210194. 2
- 55317210195. 3
- 55317210196. 4

Question Number : 130 Question Id : 5531722564 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following has the highest requirement of water?

1. Rice
2. Potato
3. Sugarcane
4. Maize

Options :

55317210197. 1  
55317210198. 2  
55317210199. 3  
55317210200. 4

Question Number : 131 Question Id : 5531722565 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Coriander variety tolerant to white fly and mites is

1. Sindhu
2. Sadhana
3. CO-1
4. Rajendra Swathi

Options :

55317210201. 1  
55317210202. 2  
55317210203. 3  
55317210204. 4

Question Number : 132 Question Id : 5531722566 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Leaf shape in black pepper is controlled by

1. Multiple alleles
2. Two complementary gene
3. Single receive gene
4. Pleiotropy

Options :

55317210205. 1  
55317210206. 2  
55317210207. 3  
55317210208. 4

Question Number : 133 Question Id : 5531722567 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Rosetting of black pepper is due to the deficiency of

1. Boron
2. Calcium
3. Magnesium
4. Zinc

Options :

55317210209. 1  
55317210210. 2  
55317210211. 3  
55317210212. 4

Question Number : 134 Question Id : 5531722568 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The botanical name of Kasturi / cochin turmeric is

1. *Curcuma aromatica*
2. *Curcuma amada*
3. *Curcuma kaesia*
4. *Curcuma angustifolie*

Options :

55317210213. 1  
55317210214. 2  
55317210215. 3  
55317210216. 4

Question Number : 135 Question Id : 5531722569 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following Indian States is popularly known as 'Garden of Spices'?

1. Karnataka
2. Kerala
3. Andhra Pradesh
4. Tamil Nadu

Identify below a long duration variety of turmeric

1. Tekurpel
2. Suranjana
3. Suroma
4. Suguna

Options :

55317210221. 1  
55317210222. 2  
55317210223. 3  
55317210224. 4

Question Number : 137 Question Id : 5531722571 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

*Curcuma* sps having high starch content

1. *Curcuma augustifolia*
2. *Curcuma zedoaria*
3. *Curcuma aromatic*
4. *Curcuma Longa*

Options :

55317210225. 1  
55317210226. 2  
55317210227. 3  
55317210228. 4

Question Number : 138 Question Id : 5531722572 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The sex form of commonly cultivated black pepper is

1. Monoecious
2. Andromonoecious
3. Gynomonoecious
4. Gynoecious

Options :

55317210229. 1  
55317210230. 2  
55317210231. 3  
55317210232. 4

Question Number : 139 Question Id : 5531722573 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Drying recovery of turmeric is

1. 10 - 15%
2. 15 - 30%
3. 20 - 30%
4. 5 - 10%

Options :

- 55317210233. 1
- 55317210234. 2
- 55317210235. 3
- 55317210236. 4

Question Number : 140 Question Id : 5531722574 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Coriander originated in

1. Mediterranean region
2. Indonesia
3. Western Ghats of India
4. South East Area

Options :

- 55317210237. 1
- 55317210238. 2
- 55317210239. 3
- 55317210240. 4

Question Number : 141 Question Id : 5531722575 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which type of carnation is cultivated on a large scale under greenhouse conditions?

1. Marguerite
2. Perpetual
3. Picotee
4. Marmaison

Options :

- 55317210241. 1
- 55317210242. 2
- 55317210243. 3
- 55317210244. 4

Question Number : 142 Question Id : 5531722576 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Pheromone traps are commonly used to control \_\_\_\_\_ insect in cucurbits?

1. Aphids
2. Fruit fly
3. Mites
4. Red Pumpkin beetle

Options :

55317210245. 1  
55317210246. 2  
55317210247. 3  
55317210248. 4

Question Number : 143 Question Id : 5531722577 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Rose is the national flower of which of the following countries?

1. India
2. Japan
3. England
4. France

Options :

55317210249. 1  
55317210250. 2  
55317210251. 3  
55317210252. 4

Question Number : 144 Question Id : 5531722578 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The ideal light intensity requirement for rose cultivation is

1. 2000 - 3000 foot candles
2. 3000 - 5000 foot candles
3. 6000 - 8000 foot candles
4. 8500 -10,000 foot candles

Options :

55317210253. 1  
55317210254. 2  
55317210255. 3  
55317210256. 4

Question Number : 145 Question Id : 5531722579 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Parentage of "Arka Tejas" variety of carnation is

1. *Dianthus caryophyllus* × *Dianthus chinensis*
2. *Dianthus Chinensis* × *Dianthus carinatum*
3. *Dianthus carinatum* × *Dianthus caryophyllus*
4. *Dianthus chinensis* × *Dianthus caryophyllus*

Options :

55317210257. 1  
55317210258. 2  
55317210259. 3  
55317210260. 4

Question Number : 146 Question Id : 5531722580 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which city is regarded as foliage capital of the world?

1. Sydney
2. Florida
3. Tokyo
4. Rome

Options :

55317210261. 1  
55317210262. 2  
55317210263. 3  
55317210264. 4

Question Number : 147 Question Id : 5531722581 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Japanese dinner table arrangement where fruits and vegetables are also used with flowers is called

1. Ike-Bana
2. Mori-Bana
3. Mori-Mono
4. Jiyu-Bana

Options :

55317210265. 1  
55317210266. 2  
55317210267. 3  
55317210268. 4

Question Number : 148 Question Id : 5531722582 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Major producer of coconut in the world is

1. Indonesia
2. Malaysia
3. India
4. Philippines

Options :

55317210269. 1  
55317210270. 2  
55317210271. 3  
55317210272. 4

Question Number : 149 Question Id : 5531722583 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Barren nuts in coconut is due to deficiency of

1. Mg
2. Calcium
3. Boron
4. Zinc

Options :

55317210273. 1  
55317210274. 2  
55317210275. 3  
55317210276. 4

Question Number : 150 Question Id : 5531722584 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Cashew apple juice is rich in

1. Folic acid
2. Ascorbic acid
3. Nicotinic acid
4. Riboflavin

Options :

55317210277. 1  
55317210278. 2  
55317210279. 3  
55317210280. 4

Question Number : 151 Question Id : 5531722585 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is the largest coconut producing state in India?

1. Madhya Pradesh
2. Rajasthan
3. Kerala
4. Maharashtra

Options :

55317210281. 1  
55317210282. 2  
55317210283. 3  
55317210284. 4

Question Number : 152 Question Id : 5531722586 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Coconut water from a tender coconut is

1. Immature embryo
2. Free nuclear endosperm
3. Inner most layer of the seed coat
4. Degenerated nucellus

Options :

55317210285. 1  
55317210286. 2  
55317210287. 3  
55317210288. 4

Question Number : 153 Question Id : 5531722587 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is a rich source of vitamin B 12?

1. Coconut milk
2. Cashew nut
3. Watermelon
4. Areca nut

Options :

55317210289. 1  
55317210290. 2  
55317210291. 3  
55317210292. 4

Question Number : 154 Question Id : 5531722588 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Main objective of vegetable blanching is

1. Inactivation of bacteria
2. Inactivation of enzymes
3. Fixation of colour
4. Removal of tissue gas

Options :

- 55317210293. 1
- 55317210294. 2
- 55317210295. 3
- 55317210296. 4

Question Number : 155 Question Id : 5531722589 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The enzyme which produce bad smelling aldehydes in vegetables is

1. Polyphenol oxidase
2. Lipo oxidase
3. Amylose
4. Protease

Options :

- 55317210297. 1
- 55317210298. 2
- 55317210299. 3
- 55317210300. 4

Question Number : 156 Question Id : 5531722590 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Storage life of fruits and vegetables is extended by keeping them in and atmosphere

1. High in CO<sub>2</sub> & Low in oxygen.
2. High in oxygen & Low in CO<sub>2</sub>
3. At low temperature.
4. At high relative humidity.

Options :

- 55317210301. 1
- 55317210302. 2
- 55317210303. 3
- 55317210304. 4

Question Number : 157 Question Id : 5531722591 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Powdery mildew disease is a serious problem of which of the following crops?

1. Root crops
2. Cucurbits
3. Cole crops
4. Leafy vegetables

Options :

55317210305. 1  
55317210306. 2  
55317210307. 3  
55317210308. 4

Question Number : 158 Question Id : 5531722592 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The mean of a distribution is 14 and the standard deviation is 5.  
What is the value of co-efficient of variation?

1. 60.4%
2. 48.3%
3. 35.7%
4. 27.8%

Options :

55317210309. 1  
55317210310. 2  
55317210311. 3  
55317210312. 4

Question Number : 159 Question Id : 5531722593 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which year is the dead line for completion of PMGSY (Pradhan Mantri Gram Sadak Yojna)?

1. 2018
2. 2019
3. 2020
4. 2021

Options :

55317210313. 1  
55317210314. 2  
55317210315. 3  
55317210316. 4

Question Number : 160 Question Id : 5531722594 Question Type : MCQ Option Shuffling : No Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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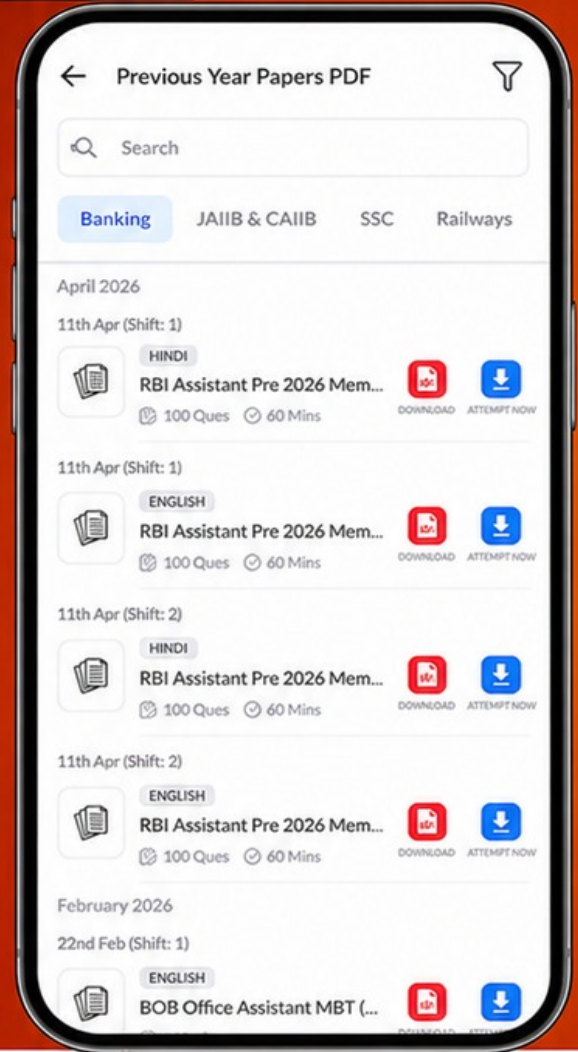
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Where does the water vapour exit the plant ?

1. Xylem
2. Stem
3. roots
4. Stomata

**Options :**

55317210317. 1

55317210318. 2

55317210319. 3

55317210320. 4



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KEY ANSWERS

Question Number	Key Answer	Question Number	Key Answer	Question Number	Key Answer
1	1	50	3	99	2
2	2	51	Dropped	100	1
3	1	52	3	101	3
4	1	53	1	102	2
5	2	54	1	103	3
6	1	55	1	104	2
7	1	56	1	105	4
8	2	57	1	106	1 and 4
9	1	58	1	107	2
10	3	59	3	108	3
11	1	60	1	109	2
12	2	61	1	110	2
13	4	62	1	111	1
14	1	63	1	112	1
15	4	64	1	113	3
16	2	65	2	114	3
17	1	66	1	115	2
18	1	67	4	116	1
19	1	68	1	117	4
20	4	69	2	118	4
21	4	70	3	119	2
22	4	71	4	120	1
23	3	72	2	121	2 and 4
24	1	73	1	122	1
25	1	74	4	123	3
26	4	75	3	124	3
27	3	76	4	125	2
28	1	77	4	126	3
29	1	78	4	127	3
30	1	79	1	128	4
31	3	80	2	129	1
32	1	81	3	130	3
33	2	82	4	131	2
34	1	83	1	132	1
35	1 and 3	84	1	133	4
36	1	85	1	134	1
37	3	86	4	135	2
38	2	87	3	136	1
39	1	88	3	137	1
40	4	89	2	138	3
41	3	90	2	139	2
42	4	91	1	140	1
43	1	92	1	141	2
44	1	93	4	142	2
45	1 and 4	94	1	143	3
46	2	95	3	144	3
47	3	96	2	145	1
48	1	97	4	146	2
49	1	98	3	147	3

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KEY ANSWERS

148	1				
149	3				
150	2				
151	3				
152	2				
153	1 and 2				
154	2				
155	2				
156	1				
157	2				
158	3				
159	2				
160	4				

