

National Testing Agency

Question Paper Name: CROP SCIENCES II 1st July 2019 Shift2 Set 2
Subject Name: CROP SCIENCES II
Creation Date: 2019-07-01 18:50:32
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Display Marks: Yes
Share Answer Key With Delivery Engine: Yes
Actual Answer Key: Yes

CROP SCIENCES II

Group Number : 1
Group Id : 55317228
Group Maximum Duration : 0
Group Minimum Duration : 180
Revisit allowed for view? : No
Revisit allowed for edit? : No
Break time: 0
Group Marks: 800

Part A : General Knowledge

Section Id : 55317241
Section Number : 1
Section type : Online
Mandatory or Optional: Mandatory
Number of Questions: 20
Number of Questions to be attempted: 20
Section Marks: 80
Display Number Panel: Yes
Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 55317263
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 5531724715 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

There is a parliamentary system of Government in India because the

- (1) Lok Sabha is elected directly by the people.
- (2) Parliament can amend the Constitution.
- (3) Rajya Sabha cannot be dissolved.
- (4) Council of the ministers are responsible to the Lok Sabha.

Options :

55317218801. 1
55317218802. 2
55317218803. 3
55317218804. 4

**Question Number : 2 Question Id : 5531724716 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Gilt – edged market refers to

- (1) Bullion market
- (2) Market of Govt. Securities
- (3) Market of guns
- (4) Market of pure metals

Options :

55317218805. 1
55317218806. 2
55317218807. 3
55317218808. 4

**Question Number : 3 Question Id : 5531724717 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 known as the ‘Coffee Port’ of the world?

- (1) Sao Paulo
- (2) Santos
- (3) Rio de Janeiro
- (4) Buenos Aires

Options :

55317218809. 1
55317218810. 2
55317218811. 3
55317218812. 4

**Question Number : 4 Question Id : 5531724718 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 increasing milk production, which state launched Rs.215 crore project
‘Milk Mission’ in July, 2018?**

- (1) Meghalaya
- (2) Assam
- (3) Tripura
- (4) Nagaland

Options :

55317218813. 1
55317218814. 2
55317218815. 3
55317218816. 4

Question Number : 5 Question Id : 5531724719 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 main characteristic of mixed farming?

- (1) Cultivation of both cash crops and food crops.
- (2) Cultivation of two or more crops in the same field.
- (3) Cultivation of crops and rearing of animals together.
- (4) Cultivation of fruits and vegetables.

Options :

55317218817. 1

55317218818. 2

55317218819. 3

55317218820. 4

Question Number : 6 Question Id : 5531724720 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

When you travel in certain parts of India, you will notice red soils. What is the main reason for this colour?

- (1) Abundance of magnesium
- (2) Accumulated humus
- (3) Presence of ferric oxides
- (4) Abundance of phosphates

Options :

55317218821. 1

55317218822. 2

55317218823. 3

55317218824. 4

Question Number : 7 Question Id : 5531724721 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 sets of elements were primarily responsible for the origin of life on the earth?

- (1) Carbon, Hydrogen, Nitrogen
- (2) Hydrogen, Oxygen, Sodium
- (3) Oxygen, Calcium, Phosphorous
- (4) Carbon, Hydrogen, Potassium

Options :

55317218825. 1

55317218826. 2

55317218827. 3

55317218828. 4

Question Number : 8 Question Id : 5531724722 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?

- (1) Khaira is a disease found in paddy.
- (2) False smut is a disease found in barley.
- (3) Rust disease is found in wheat.
- (4) Early blight is a disease found in potato.

Options :

- 55317218829. 1
- 55317218830. 2
- 55317218831. 3
- 55317218832. 4

Question Number : 9 Question Id : 5531724723 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Golden rice variety has been developed to combat the deficiency of

- (1) Iron
- (2) Vitamin C
- (3) Calcium
- (4) Vitamin A

Options :

- 55317218833. 1
- 55317218834. 2
- 55317218835. 3
- 55317218836. 4

Question Number : 10 Question Id : 5531724724 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 person of mixed European and Indian blood in Latin America is called a

- (1) Mulato
- (2) Mestizo
- (3) Meiji
- (4) Mau Mau

Options :

- 55317218837. 1
- 55317218838. 2
- 55317218839. 3
- 55317218840. 4

Question Number : 11 Question Id : 5531724725 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 the context of International Trade 'Early Harvest Package' refers to

- (1) A precursor to a free trade agreement between two trading partners.
- (2) A clause related to the agreement on agriculture under the WTO.
- (3) A subsidy mechanism given to the developing countries for trade in agriculture.
- (4) A transportation agreement signed between countries for the movement of goods.

Options :

55317218841. 1

55317218842. 2

55317218843. 3

55317218844. 4

Question Number : 12 Question Id : 5531724726 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 nitrogen present in atmosphere is

- (1) of no use to plants
- (2) injurious to plants
- (3) directly utilized by the plants
- (4) utilized through micro organism

Options :

55317218845. 1

55317218846. 2

55317218847. 3

55317218848. 4

Question Number : 13 Question Id : 5531724727 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Agricultural Scientist M.S. Swaminathan received an honorary medallion from India for his contribution towards the development of agricultural practices from which country?

- (1) Canada
- (2) Australia
- (3) New Zealand
- (4) Mexico

Options :

55317218849. 1

55317218850. 2

55317218851. 3

55317218852. 4

Question Number : 14 Question Id : 5531724728 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

ICAR, New Delhi has identified three BT cotton varieties for cultivation in Punjab, Haryana and Rajasthan; which were developed by Punjab Agricultural University (PAU), Ludhiana recently. Which one of the following is NOT among those three?

- (1) PAU BT - 1
- (2) BT -1861
- (3) F - 1861
- (4) RS – 2013

Options :

55317218853. 1

55317218854. 2

55317218855. 3

55317218856. 4

Question Number : 15 Question Id : 5531724729 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 abundant Carbohydrate in the world is

- (1) Pectin
- (2) Rubisco
- (3) Hemicellulose
- (4) Cellulose

Options :

55317218857. 1

55317218858. 2

55317218859. 3

55317218860. 4

Question Number : 16 Question Id : 5531724730 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 known as queen of spices?

- (1) Clove
- (2) Pepper
- (3) Nutmeg
- (4) Cardamom

Options :

55317218861. 1

55317218862. 2

55317218863. 3

55317218864. 4

Question Number : 17 Question Id : 5531724731 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 which city has NABARD launched South East Asia's first centre for 'Climate Change'?

- (1) Jaipur
- (2) Patna
- (3) Lucknow
- (4) Chennai

Options :

55317218865. 1
55317218866. 2
55317218867. 3
55317218868. 4

Question Number : 18 Question Id : 5531724732 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

World Bank assisted project SMART was launched in

- (1) Rajasthan
- (2) Gujarat
- (3) Maharashtra
- (4) Punjab

Options :

55317218869. 1
55317218870. 2
55317218871. 3
55317218872. 4

Question Number : 19 Question Id : 5531724733 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 Research Centre for grapes is located at

- (1) Nashik
- (2) Pune
- (3) Muzaffarpur
- (4) Lucknow

Options :

55317218873. 1
55317218874. 2
55317218875. 3
55317218876. 4

Question Number : 20 Question Id : 5531724734 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 National Milk Day which marks the birth anniversary of father of White Revolution Dr. Verghese Kurien is celebrated on

- (1) November 23
- (2) November 24
- (3) November 25
- (4) November 2

Options :

- 55317218877. 1
- 55317218878. 2
- 55317218879. 3
- 55317218880. 4

Part B : CROP SCIENCES II

Section Id :	55317242
Section Number :	2
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	180
Number of Questions to be attempted:	180
Section Marks:	720
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	55317264
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 5531724735 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 Bordeaux mixture was an accidental discovery by

- 1. Robert Koch
- 2. PMA Millardet
- 3. J. C. Walker
- 4. Louis Pasteur

Options :

- 55317218881. 1
- 55317218882. 2
- 55317218883. 3
- 55317218884. 4

Question Number : 22 Question Id : 5531724736 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 causal agent of Tobacco mosaic is filterable through bacteriological filters and can be crystallized. It was proposed by

1. Ivanowski; Michali
2. Ivanowski; Vanderplank
3. Flor; Stanley
4. Ivanowski; Stanley

Options :

- 55317218885. 1
- 55317218886. 2
- 55317218887. 3
- 55317218888. 4

Question Number : 23 Question Id : 5531724737 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

St. Anthony's fire is related to

1. Fire blight and *Erwinia*
2. Ergotamine and *Erwinia*
3. Ergotism and *Mycotoxycosis*
4. Fire blight and *Claviceps*

Options :

- 55317218889. 1
- 55317218890. 2
- 55317218891. 3
- 55317218892. 4

Question Number : 24 Question Id : 5531724738 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 disease resistant gene was cloned by

1. Johal and Briggs (1992)
2. Williams (1998)
3. Dehury et al (1996)
4. Rossi *et al* (1998)

Options :

- 55317218893. 1
- 55317218894. 2
- 55317218895. 3
- 55317218896. 4

Question Number : 25 Question Id : 5531724739 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Coat protein mediated transgenic resistance is demonstrated in

1. Cassava
2. Papaya
3. Tomato
4. Banana

Options :

55317218897. 1
55317218898. 2
55317218899. 3
55317218900. 4

Question Number : 26 Question Id : 5531724740 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Quarantine pathogen is

1. Tobacco streak virus of cotton
2. FOC – TR4 of banana
3. Groundnut bud necrosis virus in tomato
4. Root knot nematode in banana

Options :

55317218901. 1
55317218902. 2
55317218903. 3
55317218904. 4

Question Number : 27 Question Id : 5531724741 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 fungicide moncozeb DOES NOT contain the following element

1. Lead
2. Zinc
3. Manganese
4. Carbon

Options :

55317218905. 1
55317218906. 2
55317218907. 3
55317218908. 4

Question Number : 28 Question Id : 5531724742 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

First computer simulation program of plant disease epidemics was published for

1. Early blight of tomato
2. Yellow rust of wheat
3. Late blight of potato
4. Early blight of tomato and potato

Options :

55317218909. 1
55317218910. 2
55317218911. 3
55317218912. 4

Question Number : 29 Question Id : 5531724743 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Mobilization of stored products to the developing appressorium is regulated by

1. cAMP signaling pathway
2. MAP kinase pathway
3. SA signaling pathway
4. JA signaling pathway

Options :

55317218913. 1
55317218914. 2
55317218915. 3
55317218916. 4

Question Number : 30 Question Id : 5531724744 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 elicitor synthesized and released by Gram (–) ve bacteria to trigger Hypersensitive reaction is

1. Harpin
2. LPS
3. Flagellin
4. N-acetyl glucose amine

Options :

55317218917. 1
55317218918. 2
55317218919. 3
55317218920. 4

Question Number : 31 Question Id : 5531724745 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Interference of effector molecules of pathogen with PAMP triggered immunity results in

1. Effector triggered immunity
2. Effector triggered susceptibility
3. Pattern triggered susceptibility
4. Suppression of basal resistance

Options :

55317218921. 1
55317218922. 2
55317218923. 3
55317218924. 4

Question Number : 32 Question Id : 5531724746 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

15% resolving gel separates proteins having molecular weights in which of the following ranges

1. 10 – 30 kDa
2. 30 – 100 kDa
3. <10 kDa
4. > 500 kDa

Options :

55317218925. 1
55317218926. 2
55317218927. 3
55317218928. 4

Question Number : 33 Question Id : 5531724747 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Transcript level of gene expression under host pathogen interaction is quantified through

1. ERIC PCR
2. Box PCR
3. Real Time PCR
4. REP PCR

Options :

55317218929. 1
55317218930. 2
55317218931. 3
55317218932. 4

Question Number : 34 Question Id : 5531724748 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 agreement on the application of sanitary and phytosanitary measures came into force with the establishment of WTO during

1. 1975
2. 1985
3. 2005
4. 1995

Options :

55317218933. 1
55317218934. 2
55317218935. 3
55317218936. 4

Question Number : 35 Question Id : 5531724749 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 immature apples and pears are resistant to SCAB disease due to the presence of

1. Phloridzin
2. Protocatechuic acid
3. Dienes
4. Borbinol

Options :

55317218937. 1
55317218938. 2
55317218939. 3
55317218940. 4

Question Number : 36 Question Id : 5531724750 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 avr determinant of the R gene SW5 in tomato codes for

1. Coat protein
2. RNA dependent RNA polymerase
3. Movement protein
4. Glycoprotein

Options :

55317218941. 1
55317218942. 2
55317218943. 3
55317218944. 4

Question Number : 37 Question Id : 5531724751 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Fatty acid based finger printing is used to detect or identify

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

Options :

55317218945. 1
55317218946. 2
55317218947. 3
55317218948. 4

Question Number : 38 Question Id : 5531724752 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Phytoalexins are synthesized through

1. Acetate malonate pathway
2. Pentose phosphate pathway
3. Jasmonic acid pathway
4. Shikimic acid pathway

Options :

55317218949. 1
55317218950. 2
55317218951. 3
55317218952. 4

Question Number : 39 Question Id : 5531724753 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Mode of action of c is inhibition of

1. Cell division
2. Protein synthesis
3. Mitochondrial electron transport
4. Nucleic acid synthesis

Options :

55317218953. 1
55317218954. 2
55317218955. 3
55317218956. 4

Question Number : 40 Question Id : 5531724754 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

RNA Genome of plant viruses are

1. Monocistronic only
2. Polycistronic only
3. Both Monocistronic and Polycistronic
4. Dicistronic

Options :

55317218957. 1
55317218958. 2
55317218959. 3
55317218960. 4

Question Number : 41 Question Id : 5531724755 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 viral disease dwindling button mushroom production in Europe
is

1. Dry bubble
2. X-disease
3. Mummy disease
4. Cobb web

Options :

55317218961. 1
55317218962. 2
55317218963. 3
55317218964. 4

Question Number : 42 Question Id : 5531724756 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

RNA viruses are detected through

1. Colony PCR
2. RT – PCR
3. Bio – PCR
4. RAPD – PCR

Options :

55317218965. 1
55317218966. 2
55317218967. 3
55317218968. 4

Question Number : 43 Question Id : 5531724757 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

23. Jasmonic acid regulates

1. Induced Systemic Resistance (ISR) only
2. Systemic Acquired Resistance (SAR) only
3. Hypersensitive Reaction
4. Both ISR & SAR

Options :

55317218969. 1
55317218970. 2
55317218971. 3
55317218972. 4

Question Number : 44 Question Id : 5531724758 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

virus that requires a helper virus for transmission through aphid

1. Closterovirus
2. Carlavirus
3. Potyvirus
4. Potexvirus

Options :

55317218973. 1
55317218974. 2
55317218975. 3
55317218976. 4

Question Number : 45 Question Id : 5531724759 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 genus *Erwinia* has been reassigned into which of the following four different genera?

1. *Erwinia*, *Pantoea*, *Enterobacter*, *Serratia*
2. *Erwinia*, *Serratia*, *Enterobacter*, *Ralstonia*
3. *Erwinia*, *Pantoea*, *Enterobacter*, *Xylella*
4. *Erwinia*, *Pantoea*, *Enterobacter*, *Acidovorax*

Options :

55317218977. 1
55317218978. 2
55317218979. 3
55317218980. 4

Question Number : 46 Question Id : 5531724760 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Explosive epidemic diseases on most crops are due to

1. Monocyclic pathogens
2. Polycyclic pathogens
3. Soil - borne pathogens
4. Seed - borne pathogens

Options :

55317218981. 1
55317218982. 2
55317218983. 3
55317218984. 4

Question Number : 47 Question Id : 5531724761 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 type of secretory system in bacteria responsible for the transport of effector proteins across bacterial membrane and into plant cell is

1. Type I ss
2. Type III ss
3. Type IV ss
4. Type V ss

Options :

55317218985. 1
55317218986. 2
55317218987. 3
55317218988. 4

Question Number : 48 Question Id : 5531724762 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Mastigonemes and mycolaminarin are the characteristic features associated with

1. Eumycota
2. Oomycota
3. Basidiomycota
4. Deuteromycota

Options :

55317218989. 1
55317218990. 2
55317218991. 3
55317218992. 4

Question Number : 49 Question Id : 5531724763 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Bimodal transmission is mostly seen in

1. Aphid
2. Leaf hopper
3. White fly
4. Leaf miner

Options :

55317218993. 1
55317218994. 2
55317218995. 3
55317218996. 4

Question Number : 50 Question Id : 5531724764 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 phylum which has the important crop pathogens in the kingdom protozoa is

1. Myxomycota
2. Dictyosteliomycota
3. Acrasiomycota
4. Plasmodiophoromycota

Options :

55317218997. 1
55317218998. 2
55317218999. 3
55317219000. 4

Question Number : 51 Question Id : 5531724765 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 of bio-control agent applied under large scale for the first time in the world was

1. *Trichoderma viride*
2. *Bacillus subtilis*
3. *Peniophora gigantea*
4. *Pseudomonas fluorescens*

Options :

55317219001. 1
55317219002. 2
55317219003. 3
55317219004. 4

Question Number : 52 Question Id : 5531724766 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Suppressive soil concept was first proposed by

1. Cook and Baker
2. Menzies
3. Hornby
4. Baker and cook

Options :

55317219005. 1
55317219006. 2
55317219007. 3
55317219008. 4

Question Number : 53 Question Id : 5531724767 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Xa21 is a/an

1. avr gene
2. R gene
3. PRR
4. PAMP

Options :

55317219009. 1
55317219010. 2
55317219011. 3
55317219012. 4

Question Number : 54 Question Id : 5531724768 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Bioluminescence in squid is due to

1. *Vibrio fischeri*
2. *Bacillus amyloliquefaciens*
3. *Pseudomonas fluorescens*
4. *Bacillus subtilis*

Options :

55317219013. 1
55317219014. 2
55317219015. 3
55317219016. 4

Question Number : 55 Question Id : 5531724769 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 antibiotic Zwittermycin is produced by

1. *Trichoderma asperellum*
2. *Bacillus cereus*
3. *Pseudomonas putida*
4. *Bacillus velezensis*

Options :

55317219017. 1
55317219018. 2
55317219019. 3
55317219020. 4

Question Number : 56 Question Id : 5531724770 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Target site of action of strobilurin fungicide is

1. β -tubulin
2. Ubiquinol oxidases
3. Succinate dehydrogenase
4. Phospholipid biosynthesis

Options :

55317219021. 1
55317219022. 2
55317219023. 3
55317219024. 4

Question Number : 57 Question Id : 5531724771 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Fungicide first reported to depict resistance was

1. Metalaxyl
2. Organomercury
3. Dodine
4. Pyrimidine

Options :

55317219025. 1
55317219026. 2
55317219027. 3
55317219028. 4

Question Number : 58 Question Id : 5531724772 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 Mycoherbicide?

1. COLLEGO
2. F–Stop
3. Mycostop
4. BINAP–T

Options :

55317219029. 1
55317219030. 2
55317219031. 3
55317219032. 4

Question Number : 59 Question Id : 5531724773 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Removal or inactivation of active oxygen species in the host is done by which plant pathogen?

1. Biotrophic relation
2. Hemibiotrophic relation
3. Necrotrophic relation
4. Saprophytic relation

Options :

55317219033. 1
55317219034. 2
55317219035. 3
55317219036. 4

Question Number : 60 Question Id : 5531724774 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Adhesion and appressorial development in fungal pathogens are due to

1. Hydrophobin
2. Thionin
3. Defensin
4. Lipid transfer protein

Options :

55317219037. 1
55317219038. 2
55317219039. 3
55317219040. 4

Question Number : 61 Question Id : 5531724775 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

HRGP that agglutinate the bacterial cell is

1. Extensin
2. Lectin
3. Proline
4. Defensin

Options :

55317219041. 1
55317219042. 2
55317219043. 3
55317219044. 4

Question Number : 62 Question Id : 5531724776 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

β -aminobutyric acid induces

1. SAR
2. ISR
3. HRGP
4. ISR & SAR

Options :

55317219045. 1
55317219046. 2
55317219047. 3
55317219048. 4

Question Number : 63 Question Id : 5531724777 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Mushroom with increased shelf life is

1. *Volvariella volvaceae*
2. *Pleurotus sajor caju*
3. *Calocybe indica*
4. *Pleurotus florida*

Options :

55317219049. 1
55317219050. 2
55317219051. 3
55317219052. 4

Question Number : 64 Question Id : 5531724778 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Jews ear mushroom is

1. *Auricularia*
2. *Morchella*
3. *Agaricus*
4. *Boletus*

Options :

55317219053. 1
55317219054. 2
55317219055. 3
55317219056. 4

Question Number : 65 Question Id : 5531724779 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 virus always associated with satellite RNA is

1. Banana bract mosaic virus
2. Mungbean yellow mosaic virus
3. Tomato leaf curl virus
4. Cucumber mosaic virus

Options :

55317219057. 1
55317219058. 2
55317219059. 3
55317219060. 4

Question Number : 66 Question Id : 5531724780 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Spiral amphidial aperture is seen in

1. Mononchus
2. Chromodoria
3. Xiphinema
4. Longidorus

Options :

55317219061. 1
55317219062. 2
55317219063. 3
55317219064. 4

Question Number : 67 Question Id : 5531724781 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Taxonomy at evolutionary level is called

1. Numerical Taxonomy
2. Alpha Taxonomy
3. Beta Taxonomy
4. Gamma Taxonomy

Options :

55317219065. 1
55317219066. 2
55317219067. 3
55317219068. 4

Question Number : 68 Question Id : 5531724782 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 suffix "Oidea" is associated with

1. Order
2. Family
3. Suborder
4. Super family

Options :

55317219069. 1
55317219070. 2
55317219071. 3
55317219072. 4

Question Number : 69 Question Id : 5531724783 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Caudal glands and spinnerets are prominent in

1. *Mononchus*
2. *Meloidogyne*
3. *Heterodera*
4. *Hoplolaimus*

Options :

55317219073. 1
55317219074. 2
55317219075. 3
55317219076. 4

Question Number : 70 Question Id : 5531724784 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Solid stylet is observed in case of

1. *Xiphinema*
2. *Hoplolaimus*
3. *Trichodorus*
4. *Longidorus*

Options :

55317219077. 1
55317219078. 2
55317219079. 3
55317219080. 4

Question Number : 71 Question Id : 5531724785 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Post-uterine sac is present in

1. *Radopholus*
2. *Helicotylenchus*
3. *Rotylenchulus*
4. *Pratylenchus*

Options :

55317219081. 1
55317219082. 2
55317219083. 3
55317219084. 4

Question Number : 72 Question Id : 5531724786 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 nematode is

1. *Longidorus*
2. *Placentonema*
3. *Paralongidorus*
4. *Xiphinema*

Options :

55317219085. 1
55317219086. 2
55317219087. 3
55317219088. 4

Question Number : 73 Question Id : 5531724787 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Circum- oesophageal commissure represents

1. Reproductive system
2. Excretory system
3. Digestive system
4. Nervous system

Options :

55317219089. 1
55317219090. 2
55317219091. 3
55317219092. 4

Question Number : 74 Question Id : 5531724788 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Deirids are sensory structures located in

1. Oesophageal region
2. Caudal region
3. Cephalic region
4. Reproductive region

Options :

55317219093. 1
55317219094. 2
55317219095. 3
55317219096. 4

Question Number : 75 Question Id : 5531724789 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Anhydrobiosis in nematodes is caused due to

1. Lack of oxygen
2. Lack of water
3. Lowering of temperature
4. Removal of water with high osmosis

Options :

55317219097. 1
55317219098. 2
55317219099. 3
55317219100. 4

Question Number : 76 Question Id : 5531724790 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Taxonomic monograph was prepared by

1. Needham, 1743
2. Berkeley, 1855
3. Kuhn, 1862
4. DeMan, 1950

Options :

55317219101. 1
55317219102. 2
55317219103. 3
55317219104. 4

Question Number : 77 Question Id : 5531724791 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Virus transmission by nematodes was first reported by

1. Hirschmann
2. Filipyev
3. Hewitt and Raski
4. Goodey

Options :

55317219105. 1
55317219106. 2
55317219107. 3
55317219108. 4

Question Number : 78 Question Id : 5531724792 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Nematodes parasitic to insects belong to which family?

1. Entaphlenchidae
2. Aphelenchidae
3. Paraphlenchidae
4. Tylenchidae

Options :

55317219109. 1
55317219110. 2
55317219111. 3
55317219112. 4

Question Number : 79 Question Id : 5531724793 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Glyceel is used to

1. Fix nematodes
2. Mount nematodes on slides
3. Process nematodes
4. Seal nematodes on slides

Options :

- 55317219113. 1
- 55317219114. 2
- 55317219115. 3
- 55317219116. 4

Question Number : 80 Question Id : 5531724794 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 permanent mounting medium?

1. Formalin
2. Glycerol
3. Euperal
4. DPX

Options :

- 55317219117. 1
- 55317219118. 2
- 55317219119. 3
- 55317219120. 4

Question Number : 81 Question Id : 5531724795 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 electron microscopy, condensers used are

1. Magnetic
2. Optic
3. Semi optic
4. Electrical

Options :

- 55317219121. 1
- 55317219122. 2
- 55317219123. 3
- 55317219124. 4

Question Number : 82 Question Id : 5531724796 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 histopathological nematology, the sections are stained with

1. Silver nitrate
2. Acid fuchsin
3. Hematoxylin
4. Safranin-fast green

Options :

55317219125. 1
55317219126. 2
55317219127. 3
55317219128. 4

Question Number : 83 Question Id : 5531724797 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Plants regenerated from callus are called

1. Monoclonones
2. Protoclones
3. Somaclones
4. Oligoclones

Options :

55317219129. 1
55317219130. 2
55317219131. 3
55317219132. 4

Question Number : 84 Question Id : 5531724798 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Potato cyst nematode was first reported in Nilgiris by

1. Sharma, K
2. Luc, M
3. Maggenti, K
4. Jones F. G. W.

Options :

55317219133. 1
55317219134. 2
55317219135. 3
55317219136. 4

Question Number : 85 Question Id : 5531724799 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Kalahasti Malady was reported in India from

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

Options :

55317219137. 1
55317219138. 2
55317219139. 3
55317219140. 4

Question Number : 86 Question Id : 5531724800 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

"Dak Pora" disease is caused by

1. *Ditylenchus dipsaci*
2. *Ditylenchus phyllobia*
3. *Ditylenchus angustus*
4. *Ditylenchus destructor*

Options :

55317219141. 1
55317219142. 2
55317219143. 3
55317219144. 4

Question Number : 87 Question Id : 5531724801 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 assemblage of all nematode populations of an area is called

1. Nematode community
2. Nematode habitat
3. Nematode population
4. Nematode ecosystem

Options :

55317219145. 1
55317219146. 2
55317219147. 3
55317219148. 4

Question Number : 88 Question Id : 5531724802 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 sequence showing the feeding relationships between organisms in an ecosystem is called

1. Tropic level
2. Niche
3. Food web
4. Food chain

Options :

55317219149. 1
55317219150. 2
55317219151. 3
55317219152. 4

Question Number : 89 Question Id : 5531724803 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Pine wilt nematode is transmitted by

1. Mite
2. Insect
3. Wind
4. Water

Options :

55317219153. 1
55317219154. 2
55317219155. 3
55317219156. 4

Question Number : 90 Question Id : 5531724804 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Identify the Genus of sting Nematode.

1. *Dolichodorus*
2. *Criconema*
3. *Belanolaimus*
4. *Hemicycliophora*

Options :

55317219157. 1
55317219158. 2
55317219159. 3
55317219160. 4

Question Number : 91 Question Id : 5531724805 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Nematode infecting Yam is

1. *Scutellonema bradys*
2. *Pratylenchus vulnus*
3. *Rotylenchulus reniformis*
4. *Hoplolaimus indicus*

Options :

55317219161. 1
55317219162. 2
55317219163. 3
55317219164. 4

Question Number : 92 Question Id : 5531724806 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Stubby root disease is caused by

1. *Longidarus*
2. *Criconema*
3. *Hemicycliophora*
4. *Trichodorus*

Options :

55317219165. 1
55317219166. 2
55317219167. 3
55317219168. 4

Question Number : 93 Question Id : 5531724807 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Longidorus, virus particles are retained in

1. Oesophagus
2. Inner lining of odontostyle
3. Cuticular lining of stoma
4. Odontophore

Options :

55317219169. 1
55317219170. 2
55317219171. 3
55317219172. 4

Question Number : 94 Question Id : 5531724808 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Infective stage in reniform nematode is

1. Egg
2. Second stage juvenile
3. Pre-adult
4. Adult

Options :

55317219173. 1
55317219174. 2
55317219175. 3
55317219176. 4

Question Number : 95 Question Id : 5531724809 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 trapping fungus with constricting ring is

1. *Arthrobotrytis oliogospora*
2. *Pasteuria penetrans*
3. *Trichoderma viride*
4. *Fusarium oxysporum*

Options :

55317219177. 1
55317219178. 2
55317219179. 3
55317219180. 4

Question Number : 96 Question Id : 5531724810 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Total stages in nematode development is/are

1. 6
2. 4
3. 2
4. 1

Options :

55317219181. 1
55317219182. 2
55317219183. 3
55317219184. 4

Question Number : 97 Question Id : 5531724811 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Specialised cells formed at the feeding site of cyst nematode are

1. Nurse cells
2. Giant cells
3. Syncytia
4. Transfer cells

Options :

55317219185. 1
55317219186. 2
55317219187. 3
55317219188. 4

Question Number : 98 Question Id : 5531724812 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 condition where nematode eggs hatch inside the female dead body is known as

1. Ovovivipary
2. Endotokia matricida
3. Vivipary
4. Ovipary

Options :

55317219189. 1
55317219190. 2
55317219191. 3
55317219192. 4

Question Number : 99 Question Id : 5531724813 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Life cycle duration of *Meloidogyne incognita* is

1. 10 - 12 days
2. 15 - 20 days
3. 28 - 32 days
4. 56 - 59 days

Options :

55317219193. 1
55317219194. 2
55317219195. 3
55317219196. 4

Question Number : 100 Question Id : 5531724814 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 design used for simple pot experiments in laboratory

1. Random block design
2. Complete randomized design
3. Split plot design
4. Latin square design

Options :

55317219197. 1
55317219198. 2
55317219199. 3
55317219200. 4

Question Number : 101 Question Id : 5531724815 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Chitin is present in

1. Cuticle
2. Egg shell
3. Hypodermis
4. Basement membrane

Options :

55317219201. 1
55317219202. 2
55317219203. 3
55317219204. 4

Question Number : 102 Question Id : 5531724816 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 main food reserve in nematodes is

1. Carbohydrates
2. Glycogen
3. Carbon
4. Glucose

Options :

55317219205. 1
55317219206. 2
55317219207. 3
55317219208. 4

Question Number : 103 Question Id : 5531724817 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Coeloblastula is a stage during

1. Embryonic development
2. Post-embryonic development
3. Moulting
4. Juvenile development

Options :

55317219209. 1
55317219210. 2
55317219211. 3
55317219212. 4

Question Number : 104 Question Id : 5531724818 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Nematode excretion involves

1. Ornithine cycle
2. TCA cycle
3. Lipid metabolism
4. Protein metabolism

Options :

55317219213. 1
55317219214. 2
55317219215. 3
55317219216. 4

Question Number : 105 Question Id : 5531724819 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Under SRI system of rice cultivation, nematodes

1. Multiply faster
2. Reduce rapidly
3. Get killed
4. Get suffocated

Options :

55317219217. 1
55317219218. 2
55317219219. 3
55317219220. 4

Question Number : 106 Question Id : 5531724820 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Identify the plant with biofumigant property.

1. Sesbania
2. Crotolaria
3. Mustard
4. Marigold

Options :

55317219221. 1
55317219222. 2
55317219223. 3
55317219224. 4

Question Number : 107 Question Id : 5531724821 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Chemical used for inducing systemic resistance against nematodes is

1. Humic acid
2. Salicylic acid
3. Formic acid
4. Phosphoric acid

Options :

55317219225. 1
55317219226. 2
55317219227. 3
55317219228. 4

Question Number : 108 Question Id : 5531724822 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Threshold level of *Globodera rostochiensis* is

1. 5 cysts / 100 g soil
2. 10 cysts / 100 g soil
3. 30 cysts / 100 g soil
4. 50 cysts / 100 g soil

Options :

55317219229. 1
55317219230. 2
55317219231. 3
55317219232. 4

Question Number : 109 Question Id : 5531724823 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 software is used for performing phylogenetic analysis?

1. Model Test
2. PAUP
3. DATABASE
4. PHYLOGEN

Options :

55317219233. 1
55317219234. 2
55317219235. 3
55317219236. 4

Question Number : 110 Question Id : 5531724824 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 true for multiplex PCR?

1. Uses two sets of primers.
2. Decreases diagnostic time.
3. Detects single species.
4. Estimates genetic diversity.

Options :

55317219237. 1
55317219238. 2
55317219239. 3
55317219240. 4

Question Number : 111 Question Id : 5531724825 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Tea mosquito belongs to the order

1. Hemiptera
2. Diptera
3. Hymenoptera
4. Psocoptera

Options :

55317219241. 1
55317219242. 2
55317219243. 3
55317219244. 4

Question Number : 112 Question Id : 5531724826 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 segments are fused in the formation of insect head?

1. 3
2. 6
3. 8
4. 10

Options :

55317219245. 1
55317219246. 2
55317219247. 3
55317219248. 4

Question Number : 113 Question Id : 5531724827 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 connecting link between Arthropoda and Annelida?

1. Trilobita
2. Onychophora
3. Diplopoda
4. Chilopoda

Options :

55317219249. 1
55317219250. 2
55317219251. 3
55317219252. 4

Question Number : 114 Question Id : 5531724828 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 type of antenna found in sawflies is

1. Capitate
2. Flabellate
3. Unipectinate
4. Bipectinate

Options :

55317219253. 1
55317219254. 2
55317219255. 3
55317219256. 4

Question Number : 115 Question Id : 5531724829 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Hamulate type of wing coupling mechanism is found in

1. Grasshopper
2. Butterfly
3. Bug
4. Honeybee

Options :

55317219257. 1
55317219258. 2
55317219259. 3
55317219260. 4

Question Number : 116 Question Id : 5531724830 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 the mouth parts of butterflies, the proboscis is modification of

1. Cardo
2. Stipes
3. Lacinia
4. Galea

Options :

55317219261. 1
55317219262. 2
55317219263. 3
55317219264. 4

Question Number : 117 Question Id : 5531724831 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Filter chamber is most developed in

1. Hymenoptera
2. Homoptera
3. Dermaptera
4. Lepidoptera

Options :

55317219265. 1
55317219266. 2
55317219267. 3
55317219268. 4

Question Number : 118 Question Id : 5531724832 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Presence of only 3 pairs of well-developed legs, well developed head and well segmented body are the characteristics of

1. Protopod larva
2. Oligopod larva
3. Polypod larva
4. Plalyform larva

Options :

55317219269. 1
55317219270. 2
55317219271. 3
55317219272. 4

Question Number : 119 Question Id : 5531724833 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 pigment haemoglobin is found in the haemolymph of

1. Red *Chironomus*
2. Red cotton bug
3. Red pumpkin beetle
4. Mosquito

Options :

55317219273. 1
55317219274. 2
55317219275. 3
55317219276. 4

Question Number : 120 Question Id : 5531724834 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 insecticides is meant for managing sucking insect-pests?

1. Flubendiamide
2. Chlorantraniliprole
3. Fenvalerate
4. Thiamethoxam

Options :

55317219277. 1
55317219278. 2
55317219279. 3
55317219280. 4

Question Number : 121 Question Id : 5531724835 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 other name for fronto-clypeal sulcus?

1. Sub-ocular sulcus
2. Fronto-genal sulcus
3. Sub-genal sulcus
4. Epistomal sulcus

Options :

55317219281. 1
55317219282. 2
55317219283. 3
55317219284. 4

Question Number : 122 Question Id : 5531724836 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

An association between two organisms where one organism benefits from the other without affecting the other, is known as

1. Amensalism
2. Mutualism
3. Commensalism
4. Cleptobiosis

Options :

55317219285. 1
55317219286. 2
55317219287. 3
55317219288. 4

Question Number : 123 Question Id : 5531724837 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 an Ichneumonid parasitoid?

1. *Apanteles flavipes*
2. *Trichogramma chilonis*
3. *Tetrastichus pyrillae*
4. *Aphelinus mali*

Options :

55317219289. 1
55317219290. 2
55317219291. 3
55317219292. 4

Question Number : 124 Question Id : 5531724838 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 lethal time required to kill 50% of population of test animal at a certain dose or concentration is called

1. ED₅₀
2. LD₅₀
3. LT₅₀
4. ET₅₀

Options :

55317219293. 1
55317219294. 2
55317219295. 3
55317219296. 4

Question Number : 125 Question Id : 5531724839 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Dusting of insecticide should NOT be done if the wind speed exceeds

1. 1 km / hr
2. 2 km / hr
3. 5 km / hr
4. 7 km / hr

Options :

55317219297. 1
55317219298. 2
55317219299. 3
55317219300. 4

Question Number : 126 Question Id : 5531724840 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Millipedes are included in

1. Diplopoda
2. Chilopoda
3. Chelicerata
4. Hexapoda

Options :

55317219301. 1
55317219302. 2
55317219303. 3
55317219304. 4

Question Number : 127 Question Id : 5531724841 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

At which rate NPV is used for the control of *Helicoverpa armigera*?

1. 50 LE / ha
2. 100 LE / ha
3. 250 LE / ha
4. 750 LE / ha

Options :

55317219305. 1
55317219306. 2
55317219307. 3
55317219308. 4

Question Number : 128 Question Id : 5531724842 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 hydraulic energy sprayer?

1. Compression knapsack sprayer
2. Motorized knapsack sprayer
3. Knapsack mist blower
4. Ultra low volume sprayer

Options :

55317219309. 1
55317219310. 2
55317219311. 3
55317219312. 4

Question Number : 129 Question Id : 5531724843 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 genetically modified cotton was permitted for cultivation in India in the year

1. 1992
2. 2000
3. 2002
4. 2005

Options :

55317219313. 1
55317219314. 2
55317219315. 3
55317219316. 4

Question Number : 130 Question Id : 5531724844 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 kidneys in insects are

1. Malpighian tubules
2. Oenocytes
3. Nephrocytes
4. Labial gland

Options :

55317219317. 1
55317219318. 2
55317219319. 3
55317219320. 4

Question Number : 131 Question Id : 5531724845 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 which of the following larvae, the spiracles are absent?

1. Cecidomyids
2. Psycodids
3. Chironomids
4. Mycetophilids

Options :

55317219321. 1
55317219322. 2
55317219323. 3
55317219324. 4

Question Number : 132 Question Id : 5531724846 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 was imported in India for the control of
cottony cushion scale?

1. *Apanteles flavipes*
2. *Rodolia cardinales*
3. *Bracon gelechae*
4. *Aphelinus mali*

Options :

55317219325. 1
55317219326. 2
55317219327. 3
55317219328. 4

Question Number : 133 Question Id : 5531724847 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Quercus incana is the food plant of

1. *Antheraea proylei*
2. *Philosamia ricini*
3. *Antheraea assamensis*
4. *Antheraea mylitta*

Options :

55317219329. 1
55317219330. 2
55317219331. 3
55317219332. 4

Question Number : 134 Question Id : 5531724848 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Congress grass can be controlled by using

1. *Opuntia dillenii*
2. *Teleonemia scrupulosa*
3. *Zygogramma bicolorata*
4. *Rodolia cardinalis*

Options :

55317219333. 1
55317219334. 2
55317219335. 3
55317219336. 4

Question Number : 135 Question Id : 5531724849 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 the causal organism of chalk wood disease in honey bees?

1. *Nosema apis*
2. *Ascosphaera apis*
3. *Melissococcus plutonius*
4. *Paenibacillus larvae larvae*

Options :

55317219337. 1
55317219338. 2
55317219339. 3
55317219340. 4

Question Number : 136 Question Id : 5531724850 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Resilin is extremely rich in

1. Cystine
2. Glycine
3. Threonine
4. Phenylalanine

Options :

55317219341. 1
55317219342. 2
55317219343. 3
55317219344. 4

Question Number : 137 Question Id : 5531724851 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 number of instars in Ephemeroptera may be

1. 5 – 7
2. 9 – 14
3. 22 – 23
4. 20 – 40

Options :

55317219345. 1
55317219346. 2
55317219347. 3
55317219348. 4

Question Number : 138 Question Id : 5531724852 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 insecticide among the following falls in the 'least toxic' category?

1. Malathion
2. Carbofuran
3. Flubendiamide
4. Insidactoprid

Options :

55317219349. 1
55317219350. 2
55317219351. 3
55317219352. 4

Question Number : 139 Question Id : 5531724853 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 possesses digestive aspartic protease?

1. Mosquito
2. Beetles
3. Bugs
4. Ant

Options :

55317219353. 1
55317219354. 2
55317219355. 3
55317219356. 4

Question Number : 140 Question Id : 5531724854 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 group of insects is famously species richer?

1. Hymenoptera
2. Coleoptera
3. Hemiptera
4. Diptera

Options :

55317219357. 1
55317219358. 2
55317219359. 3
55317219360. 4

Question Number : 141 Question Id : 5531724855 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 imparts resistance in mustard against insect – pests?

1. Sinigrin
2. Silica
3. Gossypol
4. Ricin

Options :

55317219361. 1
55317219362. 2
55317219363. 3
55317219364. 4

Question Number : 142 Question Id : 5531724856 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 invasive insect reported from India in 2018?

1. *Tuta absolute*
2. *Spodoptera frugiperda*
3. *Helicoverpa zea*
4. *Acigona steniellus*

Options :

55317219365. 1
55317219366. 2
55317219367. 3
55317219368. 4

Question Number : 143 Question Id : 5531724857 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Juvenile Hormone (JH) is released by

1. Thoracic gland
2. Corpora allata
3. Corpora cardiaca
4. Neurosecretory cells

Options :

55317219369. 1
55317219370. 2
55317219371. 3
55317219372. 4

Question Number : 144 Question Id : 5531724858 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Royal jelly in honey bee is produced by

1. Drones only
2. Queen only
3. Worker bees only
4. Both Queen and worker bees

Options :

55317219373. 1
55317219374. 2
55317219375. 3
55317219376. 4

Question Number : 145 Question Id : 5531724859 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 moth, deformed wings are developed due to deficiency of

1. Lysine
2. Arachidonic acid
3. Pantothenic acid
4. Linoleic acid

Options :

55317219377. 1
55317219378. 2
55317219379. 3
55317219380. 4

Question Number : 146 Question Id : 5531724860 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 develops burning symptoms of crop in rice field?

1. *Dicladispa armigera*
2. *Oligonychus oryzae*
3. *Nilaparvata lugens*
4. *Stenchaetothrips*

Options :

55317219381. 1
55317219382. 2
55317219383. 3
55317219384. 4

Question Number : 147 Question Id : 5531724861 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 order of insects has maximum number of parasitoid species?

1. Hymenoptera
2. Diptera
3. Hemiptera
4. Lepidoptera

Options :

55317219385. 1
55317219386. 2
55317219387. 3
55317219388. 4

Question Number : 148 Question Id : 5531724862 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Scientific name of purple mite infesting tea plants is

1. *Polyphagotarsonemus latus*
2. *Calacarus carinatus*
3. *Acaphylla theae*
4. *Brevipalpus californicus*

Options :

55317219389. 1
55317219390. 2
55317219391. 3
55317219392. 4

Question Number : 149 Question Id : 5531724863 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Yellow mosaic virus disease of moong is transmitted by

1. *Toxoptera aurantii*
2. *Thrips hawaiiensis*
3. *Bemisia tabaci*
4. *Aptus fobae*

Options :

55317219393. 1
55317219394. 2
55317219395. 3
55317219396. 4

Question Number : 150 Question Id : 5531724864 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

When there is high age specific survival probability of a population in early and middle life followed by a rapid decrease in survival, the type of survival curve will be

1. Concave
2. Convex
3. Diagonal
4. Zigzag

Options :

55317219397. 1
55317219398. 2
55317219399. 3
55317219400. 4

Question Number : 151 Question Id : 5531724865 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Azoxystrobin is a / an

1. Insecticide
2. Herbicide
3. Fungicide
4. Rodenticide

Options :

55317219401. 1
55317219402. 2
55317219403. 3
55317219404. 4

Question Number : 152 Question Id : 5531724866 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Melissococcus plutonius causes which of the following disease?

1. Stone brood
2. American foul brood
3. Sac-brood
4. European foulbrood

Options :

55317219405. 1
55317219406. 2
55317219407. 3
55317219408. 4

Question Number : 153 Question Id : 5531724867 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Lac is marketed as

1. Brood lac
2. Seed lac
3. Button lac
4. Shellac

Options :

55317219409. 1
55317219410. 2
55317219411. 3
55317219412. 4

Question Number : 154 Question Id : 5531724868 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Peprine disease of silkworm is caused by

1. *Bacillus popillae*
2. *Bacillus sotto*
3. *Isaria favinose*
4. *Nosema bombycis*

Options :

55317219413. 1
55317219414. 2
55317219415. 3
55317219416. 4

Question Number : 155 Question Id : 5531724869 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 county ranks first in silk production?

1. India
2. China
3. Japan
4. Sri Lanka

Options :

55317219417. 1
55317219418. 2
55317219419. 3
55317219420. 4

Question Number : 156 Question Id : 5531724870 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

If two isomers have been classified correctly as anomers, they may also be called as

1. Conformers
2. Enantiomers
3. Tautomers
4. Diastereomers

Options :

55317219421. 1
55317219422. 2
55317219423. 3
55317219424. 4

Question Number : 157 Question Id : 5531724871 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 statements most correctly defines the isoelectric point?

1. The pH at which all molecular species are ionized and that carry the same charge.
2. The pH at which all molecular species are neutral unchanged.
3. The pH at which half the molecular species are ionized and the other half unionized.
4. The pH at which negatively and positively charged molecular species are present in equal concentrations.

Options :

55317219425. 1
55317219426. 2
55317219427. 3
55317219428. 4

Question Number : 158 Question Id : 5531724872 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Sanger's reagent reacts with which functional groups in a peptide ?

1. Free amino group
2. The phenolic hydroxyl group in tyrosine
3. The aromatic heterocyclic rings of histidine and tryptophan
4. The sulfide group of methionine

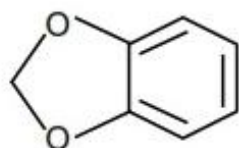
Options :

55317219429. 1
55317219430. 2
55317219431. 3
55317219432. 4

Question Number : 159 Question Id : 5531724873 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Identify the δ value of aliphatic protons in following molecule.



1. 3.1
2. 4.8
3. 1.4
4. 5.9

Options :

55317219433. 1

55317219434. 2

55317219435. 3

55317219436. 4

Question Number : 160 Question Id : 5531724874 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 reagents selectively reduces the carbonyl group without affecting the double bond in an unsaturated aldehydic molecule?

1. Zn/HCl

2. LiAlH_4

3. NaBH_4

4. Raney-Ni

Options :

55317219437. 1

55317219438. 2

55317219439. 3

55317219440. 4

Question Number : 161 Question Id : 5531724875 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 used in mosquito repellent coils?

1. Deltamethrin

2. Cypermethrin

3. Allethrin

4. Cyhalothrin

Options :

55317219441. 1

55317219442. 2

55317219443. 3

55317219444. 4

Question Number : 162 Question Id : 5531724876 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

$\text{CH}_3\text{CH}_2\text{CH}_2\text{Cl}$ undergoes nucleophilic substitution by which mechanism?

1. $\text{S}_{\text{NO}}1$

2. $\text{E}1$

3. $\text{SE}1$

4. $\text{SN}2$

Options :

55317219445. 1

55317219446. 2

55317219447. 3

55317219448. 4

Question Number : 163 Question Id : 5531724877 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 reaction used for the synthesis of next higher homologue of an acid.

1. Arndt-Eistert synthesis
2. Lossen's reaction
3. Curtis reaction
4. Wittig reaction

Options :

55317219449. 1

55317219450. 2

55317219451. 3

55317219452. 4

Question Number : 164 Question Id : 5531724878 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 active principle in chilli.

1. Carotene
2. Lycopene
3. Capsaicin
4. Rotenone

Options :

55317219453. 1

55317219454. 2

55317219455. 3

55317219456. 4

Question Number : 165 Question Id : 5531724879 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Identify the rearrangement which leads to ring reduction.

1. Pinacol - pinacolone
2. Benzil - Benzilic acid
3. Wagner - Meerwein
4. Beckmann

Options :

55317219457. 1

55317219458. 2

55317219459. 3

55317219460. 4

Question Number : 166 Question Id : 5531724880 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 drying agent used to remove traces of moisture from chloroform is

1. Sodium sulphate
2. Magnesium sulphate
3. Anhyd. calcium chloride
4. Anhyd. Zinc sulphate

Options :

55317219461. 1

55317219462. 2

55317219463. 3

55317219464. 4

Question Number : 167 Question Id : 5531724881 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Nicotine can be extracted from tobacco leaves by

1. Hydro distillation
2. Steam distillation
3. Cold extraction
4. Accelerated solvent extraction

Options :

55317219465. 1

55317219466. 2

55317219467. 3

55317219468. 4

Question Number : 168 Question Id : 5531724882 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Some oils are termed as essential oils because they

1. are essential for plant growth.
2. possess insect regulatory activity.
3. possess aroma.
4. possess allelopathic potential.

Options :

55317219469. 1

55317219470. 2

55317219471. 3

55317219472. 4

Question Number : 169 Question Id : 5531724883 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 signal in $^1\text{H-NMR}$ of O-hydroxy acetophenone at around 11δ is because of

1. aromatic protons
2. aliphatic protons
3. hydroxy group
4. intramolecular H-bonding

Options :

55317219473. 1

55317219474. 2

55317219475. 3

55317219476. 4

Question Number : 170 Question Id : 5531724884 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

1,2-glycols, on treatment with acids, give carbonyl compound as product. What is this rearrangement called?

1. Pinacol - pinacolone rearrangement
2. Benzil - benzilic acid rearrangement
3. Beckmann rearrangement
4. Fries rearrangement

Options :

55317219477. 1

55317219478. 2

55317219479. 3

55317219480. 4

Question Number : 171 Question Id : 5531724885 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Identify the organization that certifies laboratory accreditation in India.

1. OECD
2. NABL
3. NCIPM
4. FSSAI

Options :

55317219481. 1

55317219482. 2

55317219483. 3

55317219484. 4

Question Number : 172 Question Id : 5531724886 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Azadirachtin belongs to which class of compounds?

1. Triterpenoid
2. Alkaloid
3. Nicotine amide
4. Diamide

Options :

55317219485. 1

55317219486. 2

55317219487. 3

55317219488. 4

Question Number : 173 Question Id : 5531724887 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-assembling property in water is shown by which class of polymer?

1. Hydrophilic
2. Hydrophobic
3. Amphiphilic
4. Ionic

Options :

55317219489. 1

55317219490. 2

55317219491. 3

55317219492. 4

Question Number : 174 Question Id : 5531724888 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 dithio carbamate fungicide contains both Zn and Mn?

1. Propineb
2. Mancozeb
3. Zineb
4. Thiram

Options :

55317219493. 1

55317219494. 2

55317219495. 3

55317219496. 4

Question Number : 175 Question Id : 5531724889 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 red colour of tomato fruit is due to the presence of

1. Beta - carotene
2. Ricin
3. Xanthophyll
4. Lycopene

Options :

55317219497. 1
55317219498. 2
55317219499. 3
55317219500. 4

Question Number : 176 Question Id : 5531724890 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

PGR induces dormancy of

1. Cytokinin
2. Ethylene
3. ABA
4. Auxin

Options :

55317219501. 1
55317219502. 2
55317219503. 3
55317219504. 4

Question Number : 177 Question Id : 5531724891 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 following is a liquid formulation?

1. WDG
2. WP
3. SL
4. G

Options :

55317219505. 1
55317219506. 2
55317219507. 3
55317219508. 4

Question Number : 178 Question Id : 5531724892 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 DOES NOT fall under inorganic fungicides?

1. Sulfur
2. Copper oxide
3. Fentin hydroxide
4. Chlorothalonil

Options :

55317219509. 1
55317219510. 2
55317219511. 3
55317219512. 4

Question Number : 179 Question Id : 5531724893 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Imazethapyr is

1. Insecticide
2. PGR
3. Herbicide
4. Fungicide

Options :

55317219513. 1
55317219514. 2
55317219515. 3
55317219516. 4

Question Number : 180 Question Id : 5531724894 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 detectors is used in GLC for estimation of compounds containing electro negative groups?

1. TSD
2. TID
3. NPD
4. ECD

Options :

55317219517. 1
55317219518. 2
55317219519. 3
55317219520. 4

Question Number : 181 Question Id : 5531724895 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Paper chromatography is an example of

1. Partition chromatography
2. Adsorption chromatography
3. Flash chromatography
4. Ion exchange chromatography

Options :

55317219521. 1
55317219522. 2
55317219523. 3
55317219524. 4

Question Number : 182 Question Id : 5531724896 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Organophosphorus insecticides act by inhibiting

1. GABA channel
2. Sodium channel
3. Acetyl choline
4. ALS

Options :

55317219525. 1
55317219526. 2
55317219527. 3
55317219528. 4

Question Number : 183 Question Id : 5531724897 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Mac Lafferty rearrangement takes place in compounds containing

1. Abstractable hydrogen at γ -position carbonyl moiety
2. Chlorine atom and unsaturation in the molecule
3. Unsaturation in the molecule
4. Acid moiety and unsaturation in the molecule

Options :

55317219529. 1
55317219530. 2
55317219531. 3
55317219532. 4

Question Number : 184 Question Id : 5531724898 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Biopolymers are detected in GC-MS using which one of the ionization techniques?

1. ESI
2. APCI
3. MALDI
4. FD

Options :

55317219533. 1
55317219534. 2
55317219535. 3
55317219536. 4

Question Number : 185 Question Id : 5531724899 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Skraup synthesis exclusively deals with the synthesis of

1. Isoquinoline
2. Indole
3. Pyrimidine
4. Quinoline

Options :

55317219537. 1
55317219538. 2
55317219539. 3
55317219540. 4

Question Number : 186 Question Id : 5531724900 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 principle of MRL of pesticide on food commodities were laid by

1. FAO
2. Codex Alimentarius Commission
3. WHO
4. EPA

Options :

55317219541. 1
55317219542. 2
55317219543. 3
55317219544. 4

Question Number : 187 Question Id : 5531724901 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 factor directly affecting ground water pollution due to pesticides is

1. Absorption
2. Adsorption
3. Leaching
4. Volatilization

Options :

55317219545. 1
55317219546. 2
55317219547. 3
55317219548. 4

Question Number : 188 Question Id : 5531724902 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Gel permeation chromatography operates on the principle of

1. Partitioning
2. Adsorption
3. Ion exchange
4. Molecular size and shape

Options :

55317219549. 1
55317219550. 2
55317219551. 3
55317219552. 4

Question Number : 189 Question Id : 5531724903 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 organic components causes aroma in rice?

1. Disilicic acid
2. 2-acetyl-1-pyrroline
3. Monosilicic acid
4. 2-acetyl-1-pyridine

Options :

55317219553. 1
55317219554. 2
55317219555. 3
55317219556. 4

Question Number : 190 Question Id : 5531724904 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 chromogenic reagent is used for colour development in carbamates?

1. 2,4 – DNP
2. p-nitrobenzylpyridinium flouroborate
3. cyclohexyl amine & pyridine
4. Ferric chloride

Options :

55317219557. 1
55317219558. 2
55317219559. 3
55317219560. 4

Question Number : 191 Question Id : 5531724905 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 among the following is a pro insecticide?

1. Lindane
2. Carbofuran
3. Carbosulfar
4. Metribuzin

Options :

55317219561. 1
55317219562. 2
55317219563. 3
55317219564. 4

Question Number : 192 Question Id : 5531724906 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 cleanup technique of oils and fats in residue analysis is carried out by

1. acid – base partitioning
2. acetonitrile – hexane partitioning
3. chloroform - hexane partitioning
4. cyclohexane - ethyl acetate partitioning

Options :

55317219565. 1
55317219566. 2
55317219567. 3
55317219568. 4

Question Number : 193 Question Id : 5531724907 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 internal solvent used in NMR spectroscopy is

1. Tetramethyl silane
2. Trimethyl silane
3. Deuterated water
4. Deuterated chloroform

Options :

55317219569. 1
55317219570. 2
55317219571. 3
55317219572. 4

Question Number : 194 Question Id : 5531724908 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 source used in UV spectrophotometer is

1. Deuterium
2. Tungsten
3. Cesium
4. Radium

Options :

55317219573. 1
55317219574. 2
55317219575. 3
55317219576. 4

Question Number : 195 Question Id : 5531724909 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 synthetic pyrethroids contains both Cl and F?

1. Cypermethrin
2. Deltamethrin
3. Cyfluthrin
4. Fenvalerate

Options :

55317219577. 1
55317219578. 2
55317219579. 3
55317219580. 4

Question Number : 196 Question Id : 5531724910 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

DDT on reaction with alcoholic KOH will yield

1. DDVP
2. DDE
3. DDA
4. DDD

Options :

55317219581. 1
55317219582. 2
55317219583. 3
55317219584. 4

Question Number : 197 Question Id : 5531724911 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 number of isomers present in technical HCH is

1. 12
2. 8
3. 14
4. 16

Options :

55317219585. 1
55317219586. 2
55317219587. 3
55317219588. 4

Question Number : 198 Question Id : 5531724912 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 the weakest hydracid?

1. HCOOH
2. HCN
3. CH₃COOH
4. HNO₃

Options :

55317219589. 1
55317219590. 2
55317219591. 3
55317219592. 4

Question Number : 199 Question Id : 5531724913 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 the strongest oxoacid?



Options :

55317219593. 1

55317219594. 2

55317219595. 3

55317219596. 4

Question Number : 200 Question Id : 5531724914 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 trade name of glyphosate is

1. Round up

2. Kavach

3. Stomp

4. Rifit

Options :

55317219597. 1

55317219598. 2

55317219599. 3

55317219600. 4