National Testing Agency

Question Paper Name :	Agricultural Entomology 23rd Sep 2020 Shift 2 Set 2
Subject Name :	Agricultural Entomology
Creation Date :	2020-09-23 19:33:33
Duration :	120
Total Marks :	480
Display Marks:	Yes
Share Answer Key With Delivery Engine :	Yes
Actual Answer Key :	Yes

Agricultural Entomology

Group Number :	1
Group Id :	7108708
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	480
Is this Group for Examiner? :	No

Part A General Knowledge

Section Id :	71087022
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 :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	71087022
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 710870901 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Which one of the following crops is a commercial crop in Punjab and Haryana but is a subsistence crop in Orissa?

1. Tea
2. Cotton
3. Rubber
4. Rice

Options :
7108703601. 1
7108703602. 2
7108703603. 3
7108703604. 4

Question Number : 2 Question Id : 710870902 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Which of the following are the two most important wheat-growing zones of the country?

A. Ganga-Satluj plains in the north-west

B. Deltaic regions

C. Black soil region of the Deccan

D. Plains of north-east

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

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

Options :
7108703605. 1
7108703606. 2
7108703607. 3
7108703608. 4

Question Number : 3 Question Id : 710870903 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Indian agriculture is typically characterized as

1. Land surplus, labour scarce economy
2. Land surplus, labour surplus economy
3. Land scarce, labour surplus economy
4. Land scarce, labour scarce economy

Options :
7108703609. 1

7108703610. 2
7108703611. 3
7108703612. 4

Question Number : 4 Question Id : 710870904 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Which one of the following countries is the main rival of India in tea export?

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

Options :
7108703613. 1
7108703614. 2
7108703615. 3
7108703616. 4

Question Number : 5 Question Id : 710870905 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement A: MSP is declared by the government every year to provide incentives to the farmers for raising the production of crops.

Statement B: Buffer stock is created to distribute food grains in the deficit areas and among the poorer strata of the society at the lower price than the market price.

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

1. Both Statement A and Statement B are correct
2. Both Statement A and Statement B are incorrect
3. Statement A is correct but Statement B is incorrect
4. Statement A is incorrect but Statement B is correct

Options :
7108703617. 1
7108703618. 2
7108703619. 3
7108703620. 4

Question Number : 6 Question Id : 710870906 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Which one of the following is a global association of nations of the world to help cooperation in international law, security, economic development and social equity?

1. United Nations Organization
2. International Monetary Fund
3. World Bank
4. World Health Organization

Options :
7108703621. 1
7108703622. 2
7108703623. 3
7108703624. 4

Question Number : 7 Question Id : 710870907 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Under the Ganga Action Plan Phase II, pollution abatement works are being taken up in how many towns?

1. 57
2. 65
3. 52
4. 69

Options :
7108703625. 1
7108703626. 2
7108703627. 3
7108703628. 4

Question Number : 8 Question Id : 710870908 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Which one of the following statements is **incorrect**?

1. The highest number of pigs in the world are found in India
2. Utter Pradesh provides largest amount of pork
3. Assam has the largest number of pork producing pigs
4. Pork constitutes about 7.6% of the total meat produced in India

Options :

7108703629. 1
7108703630. 2
7108703631. 3
7108703632. 4

Question Number : 9 Question Id : 710870909 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Which type of N-fertilizer is suitable for water-logged soils?

1. Zinc Phosphate
2. Ammonium Sulphate
3. Calcium
4. Potassium Nitrate

Options :
7108703633. 1
7108703634. 2
7108703635. 3
7108703636. 4

Question Number : 10 Question Id : 710870910 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The famous Bailadila range of hills in the Bastar district of Chhattisgarh is famous for its

1. Bauxite deposits
2. Manganese deposits
3. Copper deposits
4. High-grade haematite deposits

Options :
7108703637. 1

7108703638. 2
7108703639. 3
7108703640. 4

Question Number : 11 Question Id : 710870911 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

A farmer wishes to start a 100 sq. m rectangular vegetable garden. Since he has only 30m barbed wire, he fences three sides of the garden letting his house compound wall act as the fourth side fencing. What is the dimension of the garden?

1. 15 m x 6.67m
2. 20 m x 5 m
3. 30 m x 3.33 m
4. 40 m x 2.5 m

Options :
7108703641. 1
7108703642. 2
7108703643. 3
7108703644. 4

Question Number : 12 Question Id : 710870912 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

In which one of the following industries, the consumption of natural rubber is the largest?

1. Auto tyres and tubes
2. Footwear
3. Dipped goods
4. Latex foam

Options :

7108703645. 1
7108703646. 2
7108703647. 3
7108703648. 4

Question Number : 13 Question Id : 710870913 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Which one of the following countries was the partner country of 34th Surajkund International Crafts Fair held in Haryana?

1. China
2. Nepal
3. Bhutan
4. Uzbekistan

Options :
7108703649. 1
7108703650. 2
7108703651. 3
7108703652. 4

Question Number : 14 Question Id : 710870914 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Nobel laureate Abhijit Vinayak Banerjee was conferred the honorary Doctor of Letters (D. Litt.) by which University?

1. University of Delhi
2. University of Kolkata
3. University of Mumbai
4. University of Hyderabad

Options :
7108703653. 1
7108703654. 2
7108703655. 3
7108703656. 4

Question Number : 15 Question Id : 710870915 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Where is the headquarters of European Union?

1. Geneva, Switzerland
2. Washington D.C., USA
3. New York, US
4. Brussels, Belgium

Options :
7108703657. 1
7108703658. 2
7108703659. 3
7108703660. 4

Question Number : 16 Question Id : 710870916 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Which of the following would be deficient if one finds high somatic cell count in the cow's milk?

1. Butterfat
2. Whey protein
3. Casein
4. Trace minerals

Options :
7108703661. 1
7108703662. 2
7108703663. 3
7108703664. 4

Question Number : 17 Question Id : 710870917 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Who was the first administrator-statesman to attempt planning as a means for economic development?

1. C. Rajagopalachari
2. V. T. Krishnamachari
3. M. Viswesvarayya
4. Sir C. P. Ramaswami Aiyyar

Options :
7108703665. 1
7108703666. 2
7108703667. 3
7108703668. 4

Question Number : 18 Question Id : 710870918 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Amazon rainforest span over nine countries. In August 2019, in which country did a deadly fire broke out in the Amazon forest?

1. Brazil
2. Venezuela
3. Colombia
4. Argentina

Options :
7108703669. 1
7108703670. 2
7108703671. 3
7108703672. 4

Question Number : 19 Question Id : 710870919 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Economic liberalization in India started with

1. Sustainable changes in industrial licensing policy
2. The convertibility of the Indian Rupee
3. Significant reduction of tax rates
4. Changes in procedural formalities for FDI

Options :
7108703673. 1
7108703674. 2
7108703675. 3
7108703676. 4

Question Number : 20 Question Id : 710870920 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The term 'Delimitation' which was in news recently is associated with which process?

1. Fixing the limit of Income tax
2. Fixing limits of Affordable housing
3. Fixing limits of Territorial constituencies
4. Fixing limits of Chairpersons salary

Options :
7108703677. 1

7108703678. 2
7108703679. 3
7108703680. 4

Part B Core Crop Sciences-II

Section Id :	71087023
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	71087023
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 710870921 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Spatial arrangement of individuals of the population is called as

1. Dispersion
2. Density
3. Population
4. Distribution

Options :
7108703681. 1
7108703682. 2

7108703683. 3
7108703684. 4

Question Number : 22 Question Id : 710870922 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is an external feeder on stored products?

1. *Plodia interpunctella*
2. *Cylas formicarius*
3. *Lasioderma serricorne*
4. *Sitophilus oryzae*

Options :

7108703685. 1
7108703686. 2
7108703687. 3
7108703688. 4

Question Number : 23 Question Id : 710870923 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Telea form larva is present in

1. *Ichneumonidae*
2. *Tenthredinidae*
3. *Scleiaridae*
4. *Tachinidae*

Options :

7108703689. 1
7108703690. 2
7108703691. 3
7108703692. 4

Question Number : 24 Question Id : 710870924 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The first scientific account of the lac insect was published in the year

1. 1782
2. 1872
3. 1827
4. 1754

Options :

7108703693. 1

7108703694. 2

7108703695. 3

7108703696. 4

Question Number : 25 Question Id : 710870925 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following has no fumigant action?

1. Aluminium phosphide
2. Magnesium phosphide
3. Bromadiolone R
4. Phosphamidon

Options :

7108703697. 1

7108703698. 2

7108703699. 3

7108703700. 4

Question Number : 26 Question Id : 710870926 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question

Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

When host is parasitized by two or more species of parasitoids/parasites, the relationship is called

1. Super parasitism
2. Hyper parasitism
3. Multiple parasitism
4. Simple parasitism

Options :
7108703701. 1
7108703702. 2
7108703703. 3
7108703704. 4

Question Number : 27 Question Id : 710870927 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Which one of the following is NOT a field cum storage pest?

1. *Cylas formicarius*
2. *Oryzaephilus surinamensis*
3. *Callosobruchus chinensis*
4. *Phytorimaea operculella*

Options :
7108703705. 1
7108703706. 2
7108703707. 3
7108703708. 4

Question Number : 28 Question Id : 710870928 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The total number of eggs laid by a female during the entire life is called as

1. Fecundity
2. Natality
3. Fidelity
4. Voltinity

Options :

7108703709. 1
7108703710. 2
7108703711. 3
7108703712. 4

Question Number : 29 Question Id : 710870929 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Osmoregulatory cells found in the epithelium of the abdominal gills of aquatic insects are called

1. Urocytes
2. Trophocytes
3. Mycetocytes
4. Chloride cells

Options :

7108703713. 1
7108703714. 2
7108703715. 3
7108703716. 4

Question Number : 30 Question Id : 710870930 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In a honey bee's digestive system, the ripening of honey takes place in the

1. Proventriculus
2. Stomocleum
3. Hepatic caecum
4. Rectum and anal glands

Options :

7108703717. 1
7108703718. 2
7108703719. 3
7108703720. 4

Question Number : 31 Question Id : 710870931 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Potential parasitoid of *Paracoccus marginatus* is

1. *Encarsia guadeloupae*
2. *Chrysoperla zastrowi sillemi*
3. *Goniozus nephantidis*
4. *Acerophagus papaya*

Options :

7108703721. 1
7108703722. 2
7108703723. 3
7108703724. 4

Question Number : 32 Question Id : 710870932 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Gause's hypothesis in the ecological study is closely related to

1. Predation
2. Mutualism
3. Competition
4. Parasitism

Options :

7108703725. 1
7108703726. 2
7108703727. 3
7108703728. 4

Question Number : 33 Question Id : 710870933 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The Destructive Insect Pests Act called "DIPA" was passed in the year

1. 1920
2. 1924
3. 1924
4. 1934

Options :

7108703729. 1
7108703730. 2
7108703731. 3
7108703732. 4

Question Number : 34 Question Id : 710870934 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The vector for the papaya mosaic virus is

1. *Aphis gossypii*
2. *Aphis craccivora*
3. *Myzus persicae*
4. *Acerophagus papaya*

Options :

7108703733. 1
7108703734. 2
7108703735. 3
7108703736. 4

Question Number : 35 Question Id : 710870935 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The vector of the rice tungro disease is

1. *Nilaparvata lugens*
2. *Nephotettix nigropictus*
3. *Cofana spectra*
4. *Breveria reli*

Options :

7108703737. 1
7108703738. 2
7108703739. 3
7108703740. 4

Question Number : 36 Question Id : 710870936 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Plant parasitic nematodes are

1. Vertebrates
2. Invertebrates
3. Arthropods
4. Annelids

Options :

7108703741. 1
7108703742. 2
7108703743. 3
7108703744. 4

Question Number : 37 Question Id : 710870937 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Globodera rostochiensis is a major problem in

1. Sweet potato
2. Potato
3. Wheat
4. Beet root

Options :

7108703745. 1
7108703746. 2
7108703747. 3
7108703748. 4

Question Number : 38 Question Id : 710870938 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Nematodes can be extracted from soil using

1. Mystifier technique
2. Fenwick can
3. Cobb's decanting and sieving
4. Fenwick can and sugar flotation

Options :

7108703749. 1
7108703750. 2
7108703751. 3
7108703752. 4

Question Number : 39 Question Id : 710870939 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Terminal spindle-shaped root galls in rice are caused by

1. *Heterodera oryzicola*
2. *Meloidogyne incognita*
3. *Meloidogyne graminicola*
4. *Meloidogyne hapla*

Options :

7108703753. 1
7108703754. 2
7108703755. 3
7108703756. 4

Question Number : 40 Question Id : 710870940 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Romanomermis culicivorax is a parasite of

1. Snails
2. Mosquitoes
3. Grasshoppers
4. Bats

Options :
7108703757. 1
7108703758. 2
7108703759. 3
7108703760. 4

Question Number : 41 Question Id : 710870941 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Ideal winnowing and salt water treatment is the best method to control

1. *Anguina tritici*
2. *Aphelenchoides* spp.
3. *Meloidogyne* spp.
4. *Pratylenchus* spp.

Options :
7108703761. 1
7108703762. 2
7108703763. 3
7108703764. 4

Question Number : 42 Question Id : 710870942 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Nematodes used for insect control are

1. *Steinernema*
2. *Rhabdids*
3. *Diplogstrids*
4. *Seinura* spp.

Options :

7108703765. 1
7108703766. 2
7108703767. 3
7108703768. 4

Question Number : 43 Question Id : 710870943 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Nematodes can be preserved for a long period in formaldehyde at a concentration (%) of

1. 1-2
2. 2-4
3. 4-6
4. 6-8

Options :

7108703769. 1
7108703770. 2
7108703771. 3
7108703772. 4

Question Number : 44 Question Id : 710870944 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Dorylaimid group of nematodes are vectors of

1. Viroids
2. Plant viruses
3. Phytoplasmas
4. Bacteria

Options :

7108703773. 1
7108703774. 2
7108703775. 3
7108703776. 4

Question Number : 45 Question Id : 710870945 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

White tip disease of rice is caused by

1. *Aphelenchus avenae*
2. *Globodera rostochiensis*
3. *Aphelenchoides besseyi*
4. *Aphelenchoides arachidis*

Options :

7108703777. 1
7108703778. 2
7108703779. 3
7108703780. 4

Question Number : 46 Question Id : 710870946 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Theo H.M. Smits is known for his contribution for completing first sequenced whole genome of

1. *Erwinia amylovora*
2. *Bacillus subtilis*
3. *Klebsiella pneumoniae*
4. *Xanthomonas oryzae* pv *oryzae*

Options :
7108703781. 1
7108703782. 2
7108703783. 3
7108703784. 4

Question Number : 47 Question Id : 710870947 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Chemical reaction occurring while preparing Bordeaux mixture

1. $CuSO_4 + Ca(OH)_2 = CuO_2 + CaSO_4$
2. $CuSO_4 + Ca(OH)_2 = CuO + CaSO_4 + H_2O$
3. $CuSO_4 + Ca(OH)_2 = Cu(OH)_2 + H_2S$
4. $CuSO_4 + Ca(OH)_2 = Cu(OH)_2 + CaSO_4$

Options :
7108703785. 1
7108703786. 2
7108703787. 3
7108703788. 4

Question Number : 48 Question Id : 710870948 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question

Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Components required to prepare chestnut compound is

1. Copper sulphate and ammonium carbonate
2. Copper hydroxide and ammonium carbonate
3. Copper sulphate and ammonium chloride
4. Copper sulphate and ammonium nitrate

Options :
7108703789. 1
7108703790. 2
7108703791. 3
7108703792. 4

Question Number : 49 Question Id : 710870949 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The first R gene identified in 1992 was in which one of the following crops?

1. Tomato
2. Maize
3. Potato
4. Paddy

Options :
7108703793. 1
7108703794. 2
7108703795. 3
7108703796. 4

Question Number : 50 Question Id : 710870950 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The signal molecule(s) involved in ISR is/are

1. Jasmonic acid only
2. Salicylic acid only
3. Ethylene only
4. Jasmonic acid and ethylene

Options :

7108703797. 1
7108703798. 2
7108703799. 3
7108703800. 4

Question Number : 51 Question Id : 710870951 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Exogenous stimulant favouring Striga seed germination is

1. Salicylic acid
2. Lipopolysaccharide
3. Coumarins
4. Glucosamine

Options :

7108703801. 1
7108703802. 2
7108703803. 3
7108703804. 4

Question Number : 52 Question Id : 710870952 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The hallucinogenic mushroom used by Mexicans in religious functions is

1. *Psilocybe cubensis*
2. *Fomitopsis officinalis*
3. *Amanita muscaria*
4. *Boletus edulis*

Options :

7108703805. 1
7108703806. 2
7108703807. 3
7108703808. 4

Question Number : 53 Question Id : 710870953 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

High-efficiency particulates air filter is seen in

1. BOD incubator
2. Laminar flow
3. Bio reactor
4. Refrigerator

Options :

7108703809. 1
7108703810. 2
7108703811. 3
7108703812. 4

Question Number : 54 Question Id : 710870954 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The NPR-1 gene that coordinates both ISR and SAR is active at

1. Oligomeric form
2. Monomeric form
3. Dimeric form
4. *Hirsutella thompsonii*

Options :

7108703813. 1
7108703814. 2
7108703815. 3
7108703816. 4

Question Number : 55 Question Id : 710870955 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Hyperparasite of powdery mildew pathogens is

1. *Verticillium leccani*
2. *Ampelomyces quisqualis*
3. *Darluca filum*
4. *Hirsutella thompsonii*

Options :

7108703817. 1
7108703818. 2
7108703819. 3
7108703820. 4

Question Number : 56 Question Id : 710870956 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The correct sequence of events associated with indirect ELISA is

1. Antigen - Unlabelled primary antibody - Enzyme labelled secondary antibody
2. Labelled primary antibody - Antigen- Enzyme labelled secondary antibody
3. Antigen - Labelled primary antibody - Enzyme labelled secondary antibody
4. Unlabelled primary antibody - Antigen - Enzyme labelled secondary antibody

Options :

7108703821. 1
7108703822. 2
7108703823. 3
7108703824. 4

Question Number : 57 Question Id : 710870957 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Mobile DNA segments capable of moving between prokaryotes and eukaryotes are known as

1. Transposons
2. Plasmids
3. Episomes
4. Chromatin

Options :

7108703825. 1
7108703826. 2
7108703827. 3
7108703828. 4

Question Number : 58 Question Id : 710870958 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Organic Sulphur based fungicide with nematicidal and fumigant action is

1. Ferbam
2. Vapam
3. Nabam
4. Thiram

Options :

7108703829. 1
7108703830. 2
7108703831. 3
7108703832. 4

Question Number : 59 Question Id : 710870959 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Selective medium used to isolate *Trichoderma* from soil was identified by

1. Kloepper
2. Elad and Chet
3. Grente
4. Menzies

Options :

7108703833. 1
7108703834. 2
7108703835. 3
7108703836. 4

Question Number : 60 Question Id : 710870960 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The active principle with antifungal activity in Bordeaux mixture is

1. Copper sulphate
2. Calcium sulphate
3. Copper hydroxide
4. Calcium hydroxide

Options :
7108703837. 1
7108703838. 2
7108703839. 3
7108703840. 4

Question Number : 61 Question Id : 710870961 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Central Muga Eri Research and Training Institute is in

1. Manipur
2. Assam
3. West Bengal
4. Odisha

Options :
7108703841. 1
7108703842. 2
7108703843. 3
7108703844. 4

Question Number : 62 Question Id : 710870962 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The queen of textiles is

1. Cotton
2. Wool
3. Silk
4. Linen

Options :
7108703845. 1
7108703846. 2
7108703847. 3
7108703848. 4

Question Number : 63 Question Id : 710870963 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Chowki rearing refers to the rearing of young silkworm larvae under a controlled microclimate

Statement II: *Antheraea proylei is a* cross between *A. pernyi* and *A. roylei.*

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

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

Options :
7108703849. 1
7108703850. 2
7108703851. 3

7108703852. 4

Question Number : 64 Question Id : 710870964 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

When can an entire branch containing leaves be fed to the larvae of *Bombyx mori*?

1. Neonate
2. 2nd instar
3. 3rd instar
4. 4th and 5th instar

Options :

7108703853. 1
7108703854. 2
7108703855. 3
7108703856. 4

Question Number : 65 Question Id : 710870965 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Given below are two statements:

Statement I: Tiger band disease is a native of India and it infects oak Tasar silkworm

Statement II: Tiger band disease of silkworm attacks all Indian silkworm species.

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

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

Options :
7108703857. 1
7108703858. 2
7108703859. 3
7108703860. 4

Question Number : 66 Question Id : 710870966 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Which one of the following is known as the tasar silkworm?

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

Options :
7108703861. 1
7108703862. 2
7108703863. 3
7108703864. 4

Question Number : 67 Question Id : 710870967 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

During the process of rearing, which one of the following oviposits most on a plain smooth surface?

1. Mulberry silkworm
2. Eri silkworm
3. Oak Tasar silkworm
4. Tasar silkworm

Options :

7108703865. 1
7108703866. 2
7108703867. 3
7108703868. 4

Question Number : 68 Question Id : 710870968 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

List I	**List II**
A. Cultivation of mulberry	I. Trashing
B. Silk route	II. Hatching
C. Egg	III. Emergence
D. Moth	IV. Moriculture

Choose the correct answer from the options given below

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

Options :

7108703869. 1
7108703870. 2
7108703871. 3
7108703872. 4

Question Number : 69 Question Id : 710870969 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

List I	**List II**
A. Grassierie	I. Fungal hyphae
B. Pebrina	II. Polyhedral
C. Flacherie	III. Oval spores
D. Muscardine	IV. Bacteria

Choose the correct answer from the options given below

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

Options :

7108703873. 1

7108703874. 2

7108703875. 3

7108703876. 4

Question Number : 70 Question Id : 710870970 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Chromosome number in *Antheraea roylei* is n = 31

Statement II: Chromosome numbers in *Antheraea mylitta is* n = 21

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

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
4. Statement I is incorrect but Statement II is correct

Options :

7108703877. 1
7108703878. 2
7108703879. 3
7108703880. 4

Part C Agricultural Entomology

Section Id :	71087024
Section Number :	3
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Display Number Panel :	Yes
Group All Questions :	Yes
Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	71087024

Question Shuffling Allowed : Yes

Question Number : 71 Question Id : 710870971 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The obligate cave dwelling insects are called as:

1. Pyrophilous
2. Xylophagous
3. Troglobiont
4. Coprophages

Options :

7108703881. 1
7108703882. 2
7108703883. 3
7108703884. 4

Question Number : 72 Question Id : 710870972 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The insect species with narrow limits of tolerance with regard to habitat utilization are known as:

1. Euryecious
2. Stenoecious
3. Stenothermic
4. Eurythermic

Options :

7108703885. 1
7108703886. 2
7108703887. 3
7108703888. 4

Question Number : 73 Question Id : 710870973 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The flexible lines of the integument between sclerites are called as:

1. Apodemes
2. Sutures
3. Conjunctivae
4. Articulations

Options :

7108703889. 1

7108703890. 2

7108703891. 3

7108703892. 4

Question Number : 74 Question Id : 710870974 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The coxa of insect leg attached to the body of the insect by an articular membrane is called:

1. Coxotrochanteral articulation
2. Basicosta
3. Coxal corium
4. Coxal wall

Options :

7108703893. 1

7108703894. 2

7108703895. 3

7108703896. 4

Question Number : 75 Question Id : 710870975 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question

Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Pad like structure on the ventral surface of the tarsal sub segments is called:

1. Empodium
2. Euplantulae
3. Planta
4. Basitarsus

Options :
7108703897. 1
7108703898. 2
7108703899. 3
7108703900. 4

Question Number : 76 Question Id : 710870976 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The outer sheath of a striated muscle fiber is called as:

1. Stomodaeum
2. Sarcolemma
3. Tonofibrillae
4. Mesenteron

Options :
7108703901. 1
7108703902. 2
7108703903. 3
7108703904. 4

Question Number : 77 Question Id : 710870977 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

A type of pupa with movable functional mandibles is called as:

1. Obtect
2. Coarctate
3. Exarate
4. Decticous

Options :

7108703905. 1
7108703906. 2
7108703907. 3
7108703908. 4

Question Number : 78 Question Id : 710870978 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A sclerotized plate surrounding an orifice around a spiracle is called as:

1. Atrium
2. Peritreme
3. Taenidia
4. Tracheoles

Options :

7108703909. 1
7108703910. 2
7108703911. 3
7108703912. 4

Question Number : 79 Question Id : 710870979 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Thick cylindrical pouch of the body wall projecting ventrally from the sternal region of the first abdominal segment of Collembola is known as:

1. Styli
2. Furcula
3. Tenaculum
4. Collophore

Options :

7108703913. 1
7108703914. 2
7108703915. 3
7108703916. 4

Question Number : 80 Question Id : 710870980 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A species characterized by low reproductive rate and high survival rate is called:

1. B-strategist
2. r-strategist
3. k-strategist
4. z-strategist

Options :

7108703917. 1
7108703918. 2
7108703919. 3
7108703920. 4

Question Number : 81 Question Id : 710870981 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The first pathogen registered as microbial insecticide in 1948 with the United States Environmental Protection Agency was:

1. *Bacillus thuringiensis*
2. *Bacillus popilliae*
3. *Bacillus lentimorbus*
4. *Streptomyces avermitilis*

Options :
7108703921. 1
7108703922. 2
7108703923. 3
7108703924. 4

Question Number : 82 Question Id : 710870982 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

A single host is parasitised by more than one individuals of the same species successfully, under laboratory condition. One such example is

1. *Trichgramma*
2. *Cotesia*
3. *Encarsia*
4. *Telenomus*

Options :
7108703925. 1
7108703926. 2
7108703927. 3
7108703928. 4

Question Number : 83 Question Id : 710870983 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Indoxacarb blocks the activity of

1. Potassium ion
2. Acetyl choline receptor
3. GABA
4. Sodium ions

Options :

7108703929. 1
7108703930. 2
7108703931. 3
7108703932. 4

Question Number : 84 Question Id : 710870984 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Type II peritrophic envelope is a characteristic feature of which of the following orders?

1. Coleoptera
2. Orthoptera
3. Isoptera
4. Odonata

Options :

7108703933. 1
7108703934. 2
7108703935. 3
7108703936. 4

Question Number : 85 Question Id : 710870985 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Specific environmental cues that induce diapause (or) elicit a specific behavioural response in insects are called:

1. Behaviour Modulators
2. Attractant
3. Elicitors
4. Token stimuli

Options :
7108703937. 1
7108703938. 2
7108703939. 3
7108703940. 4

Question Number : 86 Question Id : 710870986 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

The minimum population density of an insect or its damage which can be measured in the field is called:

1. Economic damage
2. Economic threshold level
3. Damage threshold
4. Gain threshold

Options :
7108703941. 1
7108703942. 2
7108703943. 3
7108703944. 4

Question Number : 87 Question Id : 710870987 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Pyriproxifen is a:

1. Chitin synthesis inhibitor
2. Trypsin inhibitor
3. Juvenile hormone inhibitor
4. Lipid synthesis inhibitor

Options :

7108703945. 1
7108703946. 2
7108703947. 3
7108703948. 4

Question Number : 88 Question Id : 710870988 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The statistical empirical models used for assessment of crop losses due to insects are based

1. Simulation approach
2. Regression approach
3. Continuous approach
4. Qualitative approach

Options :

7108703949. 1
7108703950. 2
7108703951. 3
7108703952. 4

Question Number : 89 Question Id : 710870989 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Trap crop that is used to control *Chilo partellus* on maize is:

1. Sorghum
2. Pearl millet
3. Sudan grass
4. Cumbu napier grass

Options :
7108703953. 1
7108703954. 2
7108703955. 3
7108703956. 4

Question Number : 90 Question Id : 710870990 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Crank dusters are also called as:

1. Bellow dusters
2. Rotary dusters
3. Knapsack dusters
4. Power operated dusters

Options :
7108703957. 1
7108703958. 2
7108703959. 3
7108703960. 4

Question Number : 91 Question Id : 710870991 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

Which pump is fitted in the high pressure boom sprayer with more than 500 litre/ha capacity?

1. Rotary pump
2. Plunger pump
3. Centrifugal pump
4. Piston pump

Options :

7108703961. 1
7108703962. 2
7108703963. 3
7108703964. 4

Question Number : 92 Question Id : 710870992 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Recent pest outbreak in Maize crop in India pertains to:

1. *Helicoverpa zea*
2. *Helicoverpa armigera*
3. *Spodoptera litura*
4. *Spodoptera frugiperda*

Options :

7108703965. 1
7108703966. 2
7108703967. 3
7108703968. 4

Question Number : 93 Question Id : 710870993 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In which of the following insects orders, Malpighian tubules are known to produce silk in the final larval stage?

1. Neuroptera
2. Coleoptera
3. Lepidoptera
4. Isoptera

Options :

7108703969. 1
7108703970. 2
7108703971. 3
7108703972. 4

Question Number : 94 Question Id : 710870994 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Scarred fruit damage in grapes is caused by:

1. *Sthenias grisator*
2. *Scirtothrips dorsalis*
3. *Maconellicoccus hirsutus*
4. *Othreis ancilla*

Options :

7108703973. 1
7108703974. 2
7108703975. 3
7108703976. 4

Question Number : 95 Question Id : 710870995 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Johnston's organ is present in which of the following?

1. Scape
2. Trochanter
3. Coxa
4. Pedicel

Options :

7108703977. 1
7108703978. 2
7108703979. 3
7108703980. 4

Question Number : 96 Question Id : 710870996 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following form the lapping tongue proboscis in honey bees?

1. Mandibles and labrum
2. Labium and maxilla
3. Labrum and maxilla
4. Labrum and labium

Options :

7108703981. 1
7108703982. 2
7108703983. 3
7108703984. 4

Question Number : 97 Question Id : 710870997 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

'Isle of Wight' disease is also called as:

1. Nosema disease
2. Amoebic disease
3. Acarine disease
4. Brood disease

Options :

7108703985. 1
7108703986. 2
7108703987. 3
7108703988. 4

Question Number : 98 Question Id : 710870998 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Transmission of which of the following diseases in silk worm is transovarial?

1. Flacherie
2. Grasserie
3. Pebrine
4. Muscardine

Options :

7108703989. 1
7108703990. 2
7108703991. 3
7108703992. 4

Question Number : 99 Question Id : 710870999 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The process in which all unfertilized eggs develop into females is known as:

1. Arrhenotoky
2. Parthenotoky
3. Aleurotoky
4. Thelytoky

Options :

7108703993. 1
7108703994. 2
7108703995. 3
7108703996. 4

Question Number : 100 Question Id : 7108701000 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following insects are endoparasites of other insects?

1. Siphonapterans
2. Mecopterans
3. Pthirapterans
4. Strepsipterans

Options :

7108703997. 1
7108703998. 2
7108703999. 3
7108704000. 4

Question Number : 101 Question Id : 7108701001 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Emergence of lac insect is called as:

1. Migration
2. Eclosion
3. Moulting
4. Swarming

Options :
7108704001. 1
7108704002. 2
7108704003. 3
7108704004. 4

Question Number : 102 Question Id : 7108701002 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

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

List I	**List II**
A. Protopod larvae	I. Eucephalous larvae
B. Polypod larvae	II. Campodeiform larvae
C. Oligopod larvae	III. Campodeiform larvae
D. Eucephalous larvae	IV. Parasitic Hymenoptera

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

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

Options :
7108704005. 1
7108704006. 2
7108704007. 3

7108704008. 4

Question Number : 103 Question Id : 7108701003 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

List I	**List II**
A. Maxilla	I. Labrum
B.Labium	II. Superlinguae
C.Hypopharynx	III. Palpifer
D. Epipharynx	IV. Palpiger

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

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

Options :

7108704009. 1

7108704010. 2

7108704011. 3

7108704012. 4

Question Number : 104 Question Id : 7108701004 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Classical biocontrol agent for the control of the weed, prickly pear cacti is:

1. *Dactylopius ceylonicus*
2. *Cyrtobagous salviniae*
3. *Neochetina bruchi*
4. *Nipaecoccus* spp.

Options :
7108704013. 1
7108704014. 2
7108704015. 3
7108704016. 4

Question Number : 105 Question Id : 7108701005 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

To increase the precision of results in the Randomized Block Design, error degree of freedom should be minimum of:

1. 6
2. 8
3. 12
4. 16

Options :
7108704017. 1
7108704018. 2
7108704019. 3
7108704020. 4

Question Number : 106 Question Id : 7108701006 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical
Correct Marks : 4 Wrong Marks : 1

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

List I	**List II**
A. Sensilla trichodea	I. Peg-like structure
B. Sensilla styliconica	II. Elongatef, oval or circular plate of cuticle
C. Sensilla coeloconica	III. Hair-like structure
D. Sensilla placodea	IV. Peg sunk below general cuticle surface

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

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

Options :

7108704021. 1

7108704022. 2

7108704023. 3

7108704024. 4

Question Number : 107 Question Id : 7108701007 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following are the character(s) of pterygote insects?

A. Slight metamorphosis
B. Several moultings after attaining sexual maturity
C. Mandibles usually articulate with the head capsule at a single point
D. Wings develop externally/internally
E. Incomplete/complete metamorphosis

Choose the ***most appropriate*** answer from the options given below:

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

Options :

7108704025. 1
7108704026. 2
7108704027. 3
7108704028. 4

Question Number : 108 Question Id : 7108701008 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In which of the following orders, the females exhibit strong parental care and nurse the eggs and nymphs?

1. Plecoptera
2. Embioptera
3. Grylloblattoidea
4. Odonata

Options :

7108704029. 1
7108704030. 2

7108704031. 3
7108704032. 4

Question Number : 109 Question Id : 7108701009 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Cuticular outgrowth at the dorsum of the ninth segment in the larvae of Coleoptera is called as:

1. Urogomphi
2. Uromeres
3. Anal horn
4. Pygopod

Options :

7108704033. 1
7108704034. 2
7108704035. 3
7108704036. 4

Question Number : 110 Question Id : 7108701010 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A blind-ending tube in the insect digestive system is:

1. Bursa copulatrix
2. Caecum
3. Rectum
4. Malpighian tubule

Options :

7108704037. 1
7108704038. 2
7108704039. 3

7108704040. 4

Question Number : 111 Question Id : 7108701011 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The ability of a parasitoid to manipulate the host's physiology is called:

1. Host regulation
2. Host preference
3. Host discrimination
4. Host acceptance

Options :

7108704041. 1

7108704042. 2

7108704043. 3

7108704044. 4

Question Number : 112 Question Id : 7108701012 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

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

List I	**List II**
A. Pleuron	I. Trochantin
B. Tergum	II. Eusternum
C. Sternum	II. Postnotum
D. Legs	IV. Episternum

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

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

Options :

7108704045. 1
7108704046. 2
7108704047. 3
7108704048. 4

Question Number : 113 Question Id : 7108701013 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The Non-Lepidopteran naturally occurring juvenile hormone is:

1. JH O
2. JH I
3. JH II
4. JH III

Options :

7108704049. 1
7108704050. 2
7108704051. 3

7108704052. 4

Question Number : 114 Question Id : 7108701014 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The first BPH-resistant rice variety with Bph1 gene is:

1. IR 26
2. IR 36
3. IR 56
4. IR 66

Options :

7108704053. 1
7108704054. 2
7108704055. 3
7108704056. 4

Question Number : 115 Question Id : 7108701015 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The particle size of dust formulation of pesticide is:

1. 50 micron
2. 50-75 micron
3. 75-100 micron
4. > 100 micron

Options :

7108704057. 1
7108704058. 2
7108704059. 3
7108704060. 4

Question Number : 116 Question Id : 7108701016 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The petiole in honey bees is formed by:

1. First abdominal segment
2. First abdominal segment and meta thorax
3. Second abdominal segment
4. Meta thorax

Options :

7108704061. 1

7108704062. 2

7108704063. 3

7108704064. 4

Question Number : 117 Question Id : 7108701017 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The greatest nutritional distinction between the insects and vertebrates is that :

1. Insects need carbohydrates
2. Insects need an external source of sterols
3. Insects need amino acids
4. Insects need fatty acids

Options :

7108704065. 1

7108704066. 2

7108704067. 3

7108704068. 4

Question Number : 118 Question Id : 7108701018 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The most important external factor that can induce diapause in insects is:

1. Unfavourable nutrition
2. Dessication
3. Photoperiod
4. Temperature

Options :

7108704069. 1
7108704070. 2
7108704071. 3
7108704072. 4

Question Number : 119 Question Id : 7108701019 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A compound released by an organism which evokes a response beneficial to a member of another species but not to the emitter is known as:

1. Pheromone
2. Kairomone
3. Allomone
4. Antimone

Options :

7108704073. 1
7108704074. 2
7108704075. 3
7108704076. 4

Question Number : 120 Question Id : 7108701020 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following belong to Hemipteroid orders?

A. Siphunculata
B. Thysanoptera
C. Embioptera
D. Strepsiptera
E. Plecoptera

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

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

Options :

7108704077. 1
7108704078. 2
7108704079. 3
7108704080. 4