

# ICAR JRF ENTOMOLOGY AND NEMATOLOGY

PAPER - 2020



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<b>Question Paper Name :</b>	ENTOMOLOGY AND NEMATOLOGY 23rd Sep 2020 Shift 1 Set 2
<b>Subject Name :</b>	ENTOMOLOGY AND NEMATOLOGY
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<b>Actual Answer Key :</b>	Yes

## ENTOMOLOGY AND NEMATOLOGY

<b>Group Number :</b>	1
<b>Group Id :</b>	2105296
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	120
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	480
<b>Is this Group for Examiner? :</b>	No

## ENTOMOLOGY AND NEMATOLOGY

<b>Section Id :</b>	21052910
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory

<b>Number of Questions :</b>	120
<b>Number of Questions to be attempted :</b>	120
<b>Section Marks :</b>	480
<b>Display Number Panel :</b>	Yes
<b>Group All Questions :</b>	Yes
<b>Mark As Answered Required? :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	21052910
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 1 Question Id : 210529661 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 was domesticated during the year 7500 BC?

1. Rice
2. Wheat
3. Barley
4. Maize

**Options :**

- 2105292641. 1
- 2105292642. 2
- 2105292643. 3
- 2105292644. 4

**Question Number : 2 Question Id : 210529662 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 India, the first Plant Quarantine Act was passed in the year

1. 1912
2. 1910
3. 1914
4. 1920

**Options :**

- 2105292645. 1
- 2105292646. 2
- 2105292647. 3
- 2105292648. 4

**Question Number : 3 Question Id : 210529663 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 suitable method for irrigating fruit crops?

1. Drip irrigation
2. Border strip
3. Ring basin
4. Check basin

**Options :**

- 2105292649. 1
- 2105292650. 2
- 2105292651. 3
- 2105292652. 4

**Question Number : 4 Question Id : 210529664 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 word Agronomy was derived from:

1. Spanish
2. English
3. Latin
4. Greek

**Options :**

2105292653. 1  
2105292654. 2  
2105292655. 3  
2105292656. 4

**Question Number : 5 Question Id : 210529665 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**

Molya disease of wheat is most severe in:

1. Rajasthan
2. Gujrat
3. Haryana
4. Punjab

**Options :**

2105292657. 1  
2105292658. 2  
2105292659. 3  
2105292660. 4

**Question Number : 6 Question Id : 210529666 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:** RCH 2 is NOT Bt cotton

**Statement II:** MECH 12 is a Bt cotton

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

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

**Options :**

- 2105292661. 1
- 2105292662. 2
- 2105292663. 3
- 2105292664. 4

**Question Number : 7 Question Id : 210529667 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 acronym GEAC stands for:

1. Government Engineering Approval Committee
2. Globally Engineering Approval Committee
3. Genetically Engineering Appraisal Committee
4. Genetically Engineering Approval Committee

**Options :**

- 2105292665. 1
- 2105292666. 2
- 2105292667. 3

2105292668. 4

**Question Number : 8 Question Id : 210529668 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:** Author of the book *Silent Spring* is David Watson

**Statement II:** The main idea of the book *Silent Spring* is Genetically Modified Organism.

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

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

**Options :**

2105292669. 1

2105292670. 2

2105292671. 3

2105292672. 4

**Question Number : 9 Question Id : 210529669 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 genetically modified crop widely grown in India?

1. Potato
2. Brinjal
3. Cotton
4. Maize

**Options :**

2105292673. 1  
2105292674. 2  
2105292675. 3  
2105292676. 4

**Question Number : 10 Question Id : 210529670 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:** Zinc deficiency is common on calcareous soil.

**Statement II:** Zinc availability to crops is higher in alkaline soil.

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

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

**Options :**

2105292677. 1  
2105292678. 2  
2105292679. 3  
2105292680. 4



**Question Number : 11 Question Id : 210529671 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**

Repetitive growing of same sole crop on the same field is known as:

1. Mono cropping
2. Sequential cropping
3. Relay cropping
4. Multiple cropping

**Options :**

2105292681. 1

2105292682. 2

2105292683. 3

2105292684. 4

**Question Number : 12 Question Id : 210529672 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**

<b>List I</b>	<b>List II</b>
A. Govind Ballabh Pant University of Agriculture and Technology	I. Uttar Pradesh
B. Central Agriculture University, Jhansi	II. Maharashtra
C. Gandhi Krishi Vigyan Kendra University of Agriculture Sciences	III. Uttarakhand
D. Dr Panjabrao Deshmukh Krishi Vidyapeeth	IV. Karnataka

Choose the correct answer from the options given below:

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

**Options :**

2105292685. 1
2105292686. 2
2105292687. 3
2105292688. 4

**Question Number : 13 Question Id : 210529673 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 suitable design for an experiment involving a varying number of tillage and nitrogen levels is:

1. RBD
2. Split plot
3. Strip plot
4. CRD

**Options :**

- 2105292689. 1
- 2105292690. 2
- 2105292691. 3
- 2105292692. 4

**Question Number : 14 Question Id : 210529674 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**

Degree of freedom is related to:

- 1. Number of observations in a set
- 2. Number of independent observations in a set
- 3. A clear hypothesis under test
- 4. Number of dependable observations in a set

**Options :**

- 2105292693. 1
- 2105292694. 2
- 2105292695. 3
- 2105292696. 4

**Question Number : 15 Question Id : 210529675 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**

<b>List I</b>	<b>List II</b>
A. ICAR-NBAIR	I. Nagpur
B. ICAR-IARI	II. Bengaluru
C. ICAR-CCRI	III. New Delhi
D. ICAR-NBAIM	IV. Mau

Choose the correct answer from the option given below:

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

**Options :**

- 2105292697. 1
- 2105292698. 2
- 2105292699. 3
- 2105292700. 4

**Question Number : 16 Question Id : 210529676 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 herbicide?

1. Simazine
2. Parathion
3. Phorate
4. Malathion

**Options :**

- 2105292701. 1
- 2105292702. 2
- 2105292703. 3

2105292704. 4

**Question Number : 17 Question Id : 210529677 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 the most tolerant of soil sodicity?

1. Pearl millet
2. Cotton
3. Barley
4. Rice

**Options :**

2105292705. 1  
2105292706. 2  
2105292707. 3  
2105292708. 4

**Question Number : 18 Question Id : 210529678 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 downward entry of water into the soil is termed as:

1. Percolation
2. Infiltration
3. Permeability
4. Seepage

**Options :**

2105292709. 1  
2105292710. 2  
2105292711. 3  
2105292712. 4

**Question Number : 19 Question Id : 210529679 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**

If a linear relation exists between the variable X and Y, then the coefficient of correlation between them will be:

1. One
2. Infinite
3. Zero
4. Two

**Options :**

- 2105292713. 1
- 2105292714. 2
- 2105292715. 3
- 2105292716. 4

**Question Number : 20 Question Id : 210529680 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 the lowest cuticular transpiration?

1. *Helianthus*
2. *Sorghum*
3. *Opuntia*
4. *Hordeum*

**Options :**

- 2105292717. 1
- 2105292718. 2
- 2105292719. 3
- 2105292720. 4

**Question Number : 21 Question Id : 210529681 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**

Potassium is absorbed by plants in the ionic form as:

1. K
2. K<sup>+</sup>
3. K<sup>++</sup>
4. K<sub>2</sub>O

**Options :**

2105292721. 1  
2105292722. 2  
2105292723. 3  
2105292724. 4

**Question Number : 22 Question Id : 210529682 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 matter content (%) of most Indian soils on a dry soil basis varies between:

1. 3-4
2. 0.2-0.5
3. 5-6
4. 0.5-2.0

**Options :**

2105292725. 1  
2105292726. 2  
2105292727. 3  
2105292728. 4

**Question Number : 23 Question Id : 210529683 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 herbicide?

1. Diuron
2. Butachlor
3. Proclaim
4. Amiben

**Options :**

2105292729. 1  
2105292730. 2  
2105292731. 3  
2105292732. 4

**Question Number : 24 Question Id : 210529684 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**

Mendel did not face the problem of linkage, however, seven characters studied by him were located on how many chromosomes?

1. 7
2. 4
3. 5
4. 3

**Options :**

2105292733. 1  
2105292734. 2  
2105292735. 3  
2105292736. 4

**Question Number : 25 Question Id : 210529685 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 schemes is exclusively meant for self- employment of rural youth?

1. NREP
2. TYRSEM
3. DPAP
4. IRDP

**Options :**

2105292737. 1  
2105292738. 2  
2105292739. 3  
2105292740. 4

**Question Number : 26 Question Id : 210529686 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**

Inbreeding in cross pollinated crops increase due to:

1. Homozygosity
2. Heterozygosity
3. Polyploidy
4. Population mean

**Options :**

2105292741. 1  
2105292742. 2  
2105292743. 3  
2105292744. 4

**Question Number : 27 Question Id : 210529687 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**

<b>List I</b>	<b>List II</b>
A. Ethylene	I. Apical dominance
B. Gibberellin	II. Stomatal closing
C. Abscisic acid	III. Genetical dwarfism
D. Auxin	IV. Fruit ripening

Choose the correct answer from the option given below:

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

**Options :**

2105292745. 1  
2105292746. 2  
2105292747. 3  
2105292748. 4

**Question Number : 28 Question Id : 210529688 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**

"Ufra disease" mainly occurs in:

1. Wheat
2. Maize
3. Paddy
4. Barley

**Options :**

2105292749. 1  
2105292750. 2  
2105292751. 3

2105292752. 4

**Question Number : 29 Question Id : 210529689 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**

Chromosomal Theory of Inheritance was proposed by:

1. Jacob and Monad
2. Mendel and Strassberger
3. Sutton and Boveri
4. Muller and Jacob

**Options :**

- 2105292753. 1
- 2105292754. 2
- 2105292755. 3
- 2105292756. 4

**Question Number : 30 Question Id : 210529690 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**

Sexual spores of fungi are:

1. Chlamydospores
2. Sporangiospores
3. Zoospores
4. Zygosporangia

**Options :**

- 2105292757. 1
- 2105292758. 2
- 2105292759. 3
- 2105292760. 4

**Question Number : 31 Question Id : 210529691 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 mineral elements plays an important role in biological nitrogen fixation?

1. Copper
2. Zinc
3. Boron
4. Molybdenum

**Options :**

- 2105292761. 1
- 2105292762. 2
- 2105292763. 3
- 2105292764. 4

**Question Number : 32 Question Id : 210529692 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 popularly known as boneless meat?

1. Safflower
2. Potato
3. Soybean
4. Wheat

**Options :**

- 2105292765. 1
- 2105292766. 2
- 2105292767. 3
- 2105292768. 4

**Question Number : 33 Question Id : 210529693 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**

Rosette disease in groundnut is caused by:

1. Fungus
2. Bacterium
3. Virus
4. Mealybug

**Options :**

2105292769. 1  
2105292770. 2  
2105292771. 3  
2105292772. 4

**Question Number : 34 Question Id : 210529694 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**

<b>List I</b>	<b>List II</b>
A. Arkil	I. Potato
B. Langra	II. Pea
C. Hara Madhu	III. Mango
D. Kufri Jyoti	IV. Melon

Choose the correct answer from the options given below:

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

**Options :**

2105292773. 1

2105292774. 2

2105292775. 3

2105292776. 4

**Question Number : 35 Question Id : 210529695 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:** Mahatma Gandhi National Rural Employment Guarantee Act is related to rural development

**Statement II:** Jawahar Rojgar Yojna is related to urban-rural development

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

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

**Options :**

2105292777. 1

2105292778. 2

2105292779. 3

2105292780. 4

**Question Number : 36 Question Id : 210529696 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:** Turnip belongs to cole crop

**Statement II:** Broccoli belongs to cole crop

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

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

**Options :**

2105292781. 1

2105292782. 2

2105292783. 3

2105292784. 4

**Question Number : 37 Question Id : 210529697 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**

<b>List I</b>	<b>List II</b>
A. Sugarcane top borer	I. <i>Tetranychus cinnabarinus</i>
B. E.D.B.	II. <i>Tryporyza nivella</i>
C. <i>Telenomus</i>	III. Grain fumigant
D. Mite	IV. Insect bioagent

Choose the correct answer from the option given below:

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

**Options :**

2105292785. 1  
2105292786. 2  
2105292787. 3  
2105292788. 4

**Question Number : 38 Question Id : 210529698 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**

<b>List I</b>	<b>List II</b>
A. ICAR-CIPHET	I. Hyderabad
B. ICAR-NAARM	II. Ludhiana
C. ICAR-NBSS &LUP	III. Lucknow
D. ICAR-IISR	IV. Nagpur

Choose the correct answer from the option given below:

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

**Options :**

- 2105292789. 1
- 2105292790. 2
- 2105292791. 3
- 2105292792. 4

**Question Number : 39 Question Id : 210529699 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**

Zero tillage is successful in India in the cropping systems of:

1. Rice crop in monocropping
2. Wheat crop in rice-wheat
3. Wheat crop in monocropping
4. Rice crop in rice-wheat

**Options :**

- 2105292793. 1
- 2105292794. 2

2105292795. 3

2105292796. 4

**Question Number : 40 Question Id : 210529700 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 among the following is the oldest?

1. PAU, Ludhiana, Punjab
2. GBPUAT, Pantnagar, Uttarakhand
3. BCKVV, Mohanpur, West Bengal
4. KAU, Thrissur, Kerala

**Options :**

2105292797. 1

2105292798. 2

2105292799. 3

2105292800. 4

**Question Number : 41 Question Id : 210529701 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**

What is the full form of ATARI?

1. Agriculture Technology Applied Research Institute
2. Agriculture Technology Application Research Institute
3. Agriculture Technology Apex Research Institute
4. Agriculture Technology Animal Research Institute

**Options :**

2105292801. 1

2105292802. 2

2105292803. 3

2105292804. 4

**Question Number : 42 Question Id : 210529702 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**

How many major Agro-climatic zones are there in India?

1. 16
2. 18
3. 17
4. 15

**Options :**

- 2105292805. 1
- 2105292806. 2
- 2105292807. 3
- 2105292808. 4

**Question Number : 43 Question Id : 210529703 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 among the following has higher Irrigation Efficiency than others?

1. Drip irrigation
2. Flooding
3. Channel irrigation
4. Sprinkler irrigation

**Options :**

- 2105292809. 1
- 2105292810. 2
- 2105292811. 3
- 2105292812. 4

**Question Number : 44 Question Id : 210529704 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**

Retting is process associated with:

1. Cotton
2. Jute
3. Sugarcane
4. Opium

**Options :**

2105292813. 1

2105292814. 2

2105292815. 3

2105292816. 4

**Question Number : 45 Question Id : 210529705 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**

Mat nursery is related to:

1. Onion
2. Rice
3. Tobacco
4. Chillies

**Options :**

2105292817. 1

2105292818. 2

2105292819. 3

2105292820. 4

**Question Number : 46 Question Id : 210529706 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 enhances seed germination?

1. IBA
2. GA
3. NAA
4. BA

**Options :**

2105292821. 1  
2105292822. 2  
2105292823. 3  
2105292824. 4

**Question Number : 47 Question Id : 210529707 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:** Strawberry is propagated through suckers

**Statement II:** Large Cardamom is commercially propagated through suckers

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

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

**Options :**

2105292825. 1  
2105292826. 2  
2105292827. 3  
2105292828. 4

**Question Number : 48 Question Id : 210529708 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 an "Emergent Weed"?

1. *Typha*
2. *Pistia*
3. *Cyperus*
4. *Hydrilla*

**Options :**

- 2105292829. 1
- 2105292830. 2
- 2105292831. 3
- 2105292832. 4

**Question Number : 49 Question Id : 210529709 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 micro-element available in soil with alkaline pH is:

1. Zinc
2. Copper
3. Iron
4. Molybdenum

**Options :**

- 2105292833. 1
- 2105292834. 2
- 2105292835. 3
- 2105292836. 4

**Question Number : 50 Question Id : 210529710 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 Nitrogen content (%) in farm yard manure is:

1. 0.1
2. 1.5
3. 2.0
4. 0.5

**Options :**

2105292837. 1

2105292838. 2

2105292839. 3

2105292840. 4

**Question Number : 51 Question Id : 210529711 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 top cross test is done to evaluate the performance of:

1. Inbred line
2. Single cross hybrid
3. Pure line
4. Double cross hybrid

**Options :**

2105292841. 1

2105292842. 2

2105292843. 3

2105292844. 4

**Question Number : 52 Question Id : 210529712 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 resistant structure produced by *Fusarium* sp is:

1. Sclerotia
2. Stroma
3. Conidia
4. Chlamydospores

**Options :**

- 2105292845. 1
- 2105292846. 2
- 2105292847. 3
- 2105292848. 4

**Question Number : 53 Question Id : 210529713 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 mechanism favouring maize as an allogamous crop species is:

1. Dicliny
2. Dichogamy
3. Apogamy
4. Autogamy

**Options :**

- 2105292849. 1
- 2105292850. 2
- 2105292851. 3
- 2105292852. 4

**Question Number : 54 Question Id : 210529714 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**



What is full form of NABARD?

1. National Bank for Agriculture and Rural Development
2. National Bank for Agriculture and Research Development
3. National Bank for Apiculture and Research Development
4. National Bank for Aquaculture and Research Development

**Options :**

2105292853. 1

2105292854. 2

2105292855. 3

2105292856. 4

**Question Number : 55 Question Id : 210529715 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 test of significance of differences between two means in small samples is calculated by:

1.  $\chi^2$  (chi-square) test
2. Z-test
3. t-test
4. F-test

**Options :**

2105292857. 1

2105292858. 2

2105292859. 3

2105292860. 4

**Question Number : 56 Question Id : 210529716 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**

First case of DDT resistance against insects globally was reported in the year:

1. 1947
2. 1937
3. 1957
4. 1967

**Options :**

- 2105292861. 1
- 2105292862. 2
- 2105292863. 3
- 2105292864. 4

**Question Number : 57 Question Id : 210529717 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 effective means to control 'Molya disease' of wheat is:

1. Flooding the crop
2. Hot water treatment
3. Crop rotation
4. Lindane spray

**Options :**

- 2105292865. 1
- 2105292866. 2
- 2105292867. 3
- 2105292868. 4

**Question Number : 58 Question Id : 210529718 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 degree to which a chemical is poisonous to the insect is its

1. Kill value
2. Lethal dose
3. Hazard rating
4. Toxicity

**Options :**

2105292869. 1  
2105292870. 2  
2105292871. 3  
2105292872. 4

**Question Number : 59 Question Id : 210529719 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**

Agronomic nutrient use efficiency is calculated as:

1.  $\frac{\text{Grain yield}}{\text{Amount of Nutrient applied}}$
2.  $\frac{\text{Grain yield in treated plot} - \text{Grain yield in control}}{\text{Amount of nutrient applied}}$
3.  $\frac{(\text{Nutrient uptake in treated plot} - \text{Nutrient uptake in control plot})}{\text{Amount of nutrient applied}}$
4.  $\frac{\text{Grain yield in treated plot} - \text{Grain yield in control}}{\text{Nutrient uptake in treated plot} - \text{Nutrient uptake in control plot}}$

**Options :**

2105292873. 1  
2105292874. 2  
2105292875. 3  
2105292876. 4

**Question Number : 60 Question Id : 210529720 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**

Water potential of pure water is equal to:

1. -0.0
2. -1.0
3. -1.5
4. -0.5

**Options :**

2105292877. 1  
2105292878. 2  
2105292879. 3  
2105292880. 4

**Question Number : 61 Question Id : 210529721 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 physical method of nematode control?

1. Heat only
2. Irradiation only
3. Osmotic pressure only
4. All the above

**Options :**

2105292881. 1  
2105292882. 2  
2105292883. 3  
2105292884. 4

**Question Number : 62 Question Id : 210529722 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 the sugarcane root borer?

1. *Sesamia inferens*
2. *Scirpophaga nivella*
3. *Scirpophaga incertulas*
4. *Emmalocera depressella*

**Options :**

2105292885. 1  
2105292886. 2  
2105292887. 3  
2105292888. 4

**Question Number : 63 Question Id : 210529723 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 insects, the origin of foregut is :

1. Ectodermal
2. Mesodermal
3. Endodermal
4. Meso and endodermal

**Options :**

2105292889. 1  
2105292890. 2  
2105292891. 3  
2105292892. 4

**Question Number : 64 Question Id : 210529724 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 nematode produces 'Nemawool'?

1. *Aphelenchus* sp.
2. *Anguina agrostis*
3. *Ditylenchus dipsaci*
4. *Rotylenchus reniformis*

**Options :**

2105292893. 1  
2105292894. 2  
2105292895. 3  
2105292896. 4

**Question Number : 65 Question Id : 210529725 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**

Nematode reproductive system is:

1. Bilaterally symmetrical
2. Triradially symmetrical
3. Tetraradially symmetrical
4. Asymmetrical

**Options :**

2105292897. 1  
2105292898. 2  
2105292899. 3  
2105292900. 4

**Question Number : 66 Question Id : 210529726 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 part of the insect leg?

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

**Options :**

2105292901. 1  
2105292902. 2  
2105292903. 3  
2105292904. 4

**Question Number : 67 Question Id : 210529727 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 stored grain pests is incapable of feeding on whole grain?

1. Rice weevil
2. Red flour beetle
3. Khapra beetle
4. Lesser grain borer

**Options :**

2105292905. 1  
2105292906. 2  
2105292907. 3  
2105292908. 4

**Question Number : 68 Question Id : 210529728 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**

Johnstan organ is absent in:

1. Collembola
2. Diplura
3. Both Collembola and Diplura
4. Protura

**Options :**

- 2105292909. 1
- 2105292910. 2
- 2105292911. 3
- 2105292912. 4

**Question Number : 69 Question Id : 210529729 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**

Origin of silk gland in silk worm is:

1. Ectodermal
2. Endodermal
3. Mesodermal
4. Epidermal

**Options :**

- 2105292913. 1
- 2105292914. 2
- 2105292915. 3
- 2105292916. 4

**Question Number : 70 Question Id : 210529730 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**



How much pesticide spray solution is required to apply 12 litres of 50EC insecticide formulation if the recommended application rate is 0.5%?

1. 1.2 litre
2. 120 ml
3. 24 ml
4. 12 litre

**Options :**

2105292917. 1  
2105292918. 2  
2105292919. 3  
2105292920. 4

**Question Number : 71 Question Id : 210529731 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**

Worldwide resistance to inorganic pesticide was first reported in:

1. Scale insect
2. Mealy bug
3. Moth
4. Housefly

**Options :**

2105292921. 1  
2105292922. 2  
2105292923. 3  
2105292924. 4

**Question Number : 72 Question Id : 210529732 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:** Mosquito, *Aedes aegyptii* is a vector of dengue fever, chikungunya and yellow fever virus

**Statement II:** The disease rickettsia is spread by House fly

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

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

**Options :**

2105292925. 1

2105292926. 2

2105292927. 3

2105292928. 4

**Question Number : 73 Question Id : 210529733 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:** Royal jelly is secreted by honey bee

**Statement II:** Drones can't sting

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

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

**Options :**

2105292929. 1

2105292930. 2

2105292931. 3

2105292932. 4

**Question Number : 74 Question Id : 210529734 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:** Triton X100 is used as an emulsifier

**Statement II:** Protein hydrolysate is used as an attractant against fruit fly

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

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

**Options :**

2105292933. 1

2105292934. 2

2105292935. 3

2105292936. 4

**Question Number : 75 Question Id : 210529735 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:** The female of lac insect has true eyes, legs and wings

**Statement II:** The tussar silkworm feeds on castor

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

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

**Options :**

2105292937. 1

2105292938. 2

2105292939. 3

2105292940. 4

**Question Number : 76 Question Id : 210529736 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**

<b>List I</b>	<b>List II</b>
A. International pest	I. <i>Chilo partellus</i>
B. Dead heart	II. <i>Schistocerca gregaria</i>
C. Spinosad	III. JH analogue
D. Altocid	IV. Microbial origin

Choose the correct answer from the option given below:

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

**Options :**

2105292941. 1

2105292942. 2

2105292943. 3

2105292944. 4

**Question Number : 77 Question Id : 210529737 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**

<b>List I</b>	<b>List II</b>
A. Pulse beetle	I. <i>Lasioderma serricorne</i>
B. Rice weevil	II. <i>Callosobruchus chinensis</i>
C. Tobacco beetle	III. <i>Sitophilus oryzae</i>
D. Drug store beetle	IV. <i>Stegobium panicum</i>

Choose the correct answer from the option given below:

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

**Options :**

2105292945. 1  
2105292946. 2  
2105292947. 3  
2105292948. 4

**Question Number : 78 Question Id : 210529738 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**

<b>List I</b>	<b>List II</b>
A. Vector of spike disease	I. <i>Nephotettix virescens</i>
B. Sesamum phyllody	II. <i>Jassus indicus</i>
C. Rice yellow dwarf	III. <i>Hishimonus phycitis</i>
D. Little leaf of brinjal	IV. <i>Orosius albicinctus</i>

Choose the correct answer from the options given below:

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

**Options :**

2105292949. 1

2105292950. 2

2105292951. 3

2105292952. 4

**Question Number : 79 Question Id : 210529739 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**

<b>List I</b>	<b>List II</b>
A. Chlorinated Hydrocarbons	I. Dichlorvos
B. Organophosphates	II. Propoxur
C. Carbamates	III. DDT
D. Pyrethroids	IV. Fenvalerate

Choose the correct answer from the options given below:

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

**Options :**

2105292953. 1

2105292954. 2

2105292955. 3

2105292956. 4

**Question Number : 80 Question Id : 210529740 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**

<b>List I</b>	<b>List II</b>
A. Nosema disease	I. <i>Acarapsis woodi</i>
B. Isle of wight	II. <i>Streptococcus</i> sp
C. American foulbrood	III. <i>Bacillus pluton</i>
D. European foulbrood	IV. <i>Nosema</i> species

Choose the correct answer from the option given below:

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

**Options :**

2105292957. 1  
2105292958. 2  
2105292959. 3  
2105292960. 4

**Question Number : 81 Question Id : 210529741 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**

Resurgence of whitefly is largely associated with:

1. Excessive use of Phosphamidon
2. Excessive use of Lindane
3. Excessive use of Triazophos
4. Indiscriminate use of synthetic pyrethroids

**Options :**

2105292961. 1  
2105292962. 2  
2105292963. 3

2105292964. 4

**Question Number : 82 Question Id : 210529742 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**

Scansorial or clinging type of legs are found in:

1. Bed bugs
2. Mites
3. Ticks
4. Head lice

**Options :**

- 2105292965. 1
- 2105292966. 2
- 2105292967. 3
- 2105292968. 4

**Question Number : 83 Question Id : 210529743 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 cultural method?

1. Tillage
2. Light trap
3. Resistant variety
4. Pruning and thinning

**Options :**

- 2105292969. 1
- 2105292970. 2
- 2105292971. 3
- 2105292972. 4

**Question Number : 84 Question Id : 210529744 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 carbamate?

1. Thiometon
2. Tetradifon
3. Lamda-cyhalothrin
4. Methomyl

**Options :**

2105292973. 1

2105292974. 2

2105292975. 3

2105292976. 4

**Question Number : 85 Question Id : 210529745 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 insect growth regulator?

1. Carbothion
2. Diflubenzuron
3. Benzimidozoles
4. Diafenthiuron

**Options :**

2105292977. 1

2105292978. 2

2105292979. 3

2105292980. 4

**Question Number : 86 Question Id : 210529746 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**

Separation of old cuticle from epidermis is called

1. Ecdysis
2. Apolysis
3. Stadium
4. Exuviae

**Options :**

- 2105292981. 1
- 2105292982. 2
- 2105292983. 3
- 2105292984. 4

**Question Number : 87 Question Id : 210529747 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 standard *Bombyx mori* loose egg-pack contains:

1. 40000 eggs
2. 30000 eggs
3. 20000 eggs
4. 10000 eggs

**Options :**

- 2105292985. 1
- 2105292986. 2
- 2105292987. 3
- 2105292988. 4

**Question Number : 88 Question Id : 210529748 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**

First generation insecticide era was between the years:

1. 1920-1928
2. 1939-1942
3. 1969-1973
4. 1980-1984

**Options :**

- 2105292989. 1
- 2105292990. 2
- 2105292991. 3
- 2105292992. 4

**Question Number : 89 Question Id : 210529749 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**

"Flacherie disease" of silk worm is caused by:

1. Virus
2. Bacterium
3. Fungus
4. Nematode

**Options :**

- 2105292993. 1
- 2105292994. 2
- 2105292995. 3
- 2105292996. 4

**Question Number : 90 Question Id : 210529750 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**

Class Insecta belongs to the subphylum:

1. Uniramia
2. Pycnogonida
3. Xiphosura
4. Diplopoda

**Options :**

2105292997. 1  
2105292998. 2  
2105292999. 3  
2105293000. 4

**Question Number : 91 Question Id : 210529751 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 use of legislative restrictions to control pests is called:

1. Plant protection
2. Plant Quarantine
3. Plant Law
4. Plant Enclosure

**Options :**

2105293001. 1  
2105293002. 2  
2105293003. 3  
2105293004. 4

**Question Number : 92 Question Id : 210529752 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**

From which part of *Chrysanthemum cinerarifolium*, pyrethrum is extracted?

1. Leaf
2. Flower
3. Stem
4. Root

**Options :**

2105293005. 1  
2105293006. 2  
2105293007. 3  
2105293008. 4

**Question Number : 93 Question Id : 210529753 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 termites, "Royal Jelly" is produced by:

1. Mandibular glands of queen
2. Lateral pharyngeal glands of worker
3. Lateral pharyngeal glands of queen
4. Well-developed mandibles of soldiers

**Options :**

2105293009. 1  
2105293010. 2  
2105293011. 3  
2105293012. 4

**Question Number : 94 Question Id : 210529754 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**



Chemically, chitin is:

1. Nitrogenous polysaccharide
2. Halogenated polysaccharide
3. Polypeptide
4. Saturated fatty acid

**Options :**

2105293013. 1

2105293014. 2

2105293015. 3

2105293016. 4

**Question Number : 95 Question Id : 210529755 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**

Insect hind wings are modified into knob like structure called "halteres" in:

1. Mustard sawfly
2. Fruit fly
3. Whitefly
4. Damselfly

**Options :**

2105293017. 1

2105293018. 2

2105293019. 3

2105293020. 4

**Question Number : 96 Question Id : 210529756 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**

Most Indian Bt cotton hybrid contains the genetic material:

1. Cry 1 Ab
2. Cry1 Ac
3. Cry1 3A
4. Cry 4 gene

**Options :**

2105293021. 1  
2105293022. 2  
2105293023. 3  
2105293024. 4

**Question Number : 97 Question Id : 210529757 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**

Eggs are laid in an ootheca by:

1. Silver fish
2. Grasshopper
3. Mole cricket
4. Cockroach

**Options :**

2105293025. 1  
2105293026. 2  
2105293027. 3  
2105293028. 4

**Question Number : 98 Question Id : 210529758 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**

Snow-fleas belong to:

- A. Siphonaptera
- B. Thysanura
- C. Collembola
- D. Thysanoptera

Choose the correct answer from the options given below:

- 1. Both A & B
- 2. Both A & C
- 3. C only
- 4. Both B & D

**Options :**

- 2105293029. 1
- 2105293030. 2
- 2105293031. 3
- 2105293032. 4

**Question Number : 99 Question Id : 210529759 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 Insecticide Act in India was passed in the year:

- 1. 1971
- 2. 1959
- 3. 1968
- 4. 1985

**Options :**

- 2105293033. 1
- 2105293034. 2
- 2105293035. 3
- 2105293036. 4

**Question Number : 100 Question Id : 210529760 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**

Geniculate type of antennae are present in:

1. Honey bee
2. Grasshopper
3. Termite
4. Housefly

**Options :**

2105293037. 1  
2105293038. 2  
2105293039. 3  
2105293040. 4

**Question Number : 101 Question Id : 210529761 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**

Cotton leaf curl viral disease is transmitted by

1. Cotton aphid
2. Whitefly
3. Thrips
4. Mite

**Options :**

2105293041. 1  
2105293042. 2  
2105293043. 3  
2105293044. 4

**Question Number : 102 Question Id : 210529762 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 length of silk thread in a cocoon of *Bombyx mori* ranges from:

1. 900 to 1000 M
2. 100 to 150 M
3. 200 to 250 M
4. 100 to 350 M

**Options :**

2105293045. 1

2105293046. 2

2105293047. 3

2105293048. 4

**Question Number : 103 Question Id : 210529763 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 insecticide NOT banned for application in crop pest management is:

1. DDT
2. Aldrin
3. Chlorpyrifos
4. BHC

**Options :**

2105293049. 1

2105293050. 2

2105293051. 3

2105293052. 4

**Question Number : 104 Question Id : 210529764 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**

Directorate of Plant Protection Quarantine and Storage (DPPQS) is located at:

1. Faridabad
2. Dehradun
3. Bhopal
4. Hyderabad

**Options :**

2105293053. 1  
2105293054. 2  
2105293055. 3  
2105293056. 4

**Question Number : 105 Question Id : 210529765 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**

Resin glands in lac insect are present in:

1. Mouth parts
2. Breathing pores
3. All over the cuticle
4. Anus and hindgut

**Options :**

2105293057. 1  
2105293058. 2  
2105293059. 3  
2105293060. 4

**Question Number : 106 Question Id : 210529766 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**

Axillary sclerites are absent in:

1. Coleoptera and Hymenoptera
2. Hemiptera and Orthoptera
3. Psocoptera and Lepidoptera
4. Odonata and Ephemeroptera

**Options :**

2105293061. 1

2105293062. 2

2105293063. 3

2105293064. 4

**Question Number : 107 Question Id : 210529767 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 insecticidal property of DDT was discovered by Paul Muller in the year:

1. 1874

2. 1932

3. 1939

4. 1942

**Options :**

2105293065. 1

2105293066. 2

2105293067. 3

2105293068. 4

**Question Number : 108 Question Id : 210529768 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**

Bird lice belong to the order

1. Mallophaga
2. Siphunculata
3. Psocoptera
4. Thysanoptera

**Options :**

2105293069. 1  
2105293070. 2  
2105293071. 3  
2105293072. 4

**Question Number : 109 Question Id : 210529769 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**

Cartap hydrochloride was isolated for the first time from:

1. Actinomyces
2. Bacteria
3. Annelid
4. Protozoa

**Options :**

2105293073. 1  
2105293074. 2  
2105293075. 3  
2105293076. 4

**Question Number : 110 Question Id : 210529770 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**



False root-knot nematode is:

1. *Nacobbus* sp.
2. *Meloidogyne* sp.
3. *Hirschmaniella* sp.
4. *Criconea* sp.

**Options :**

2105293077. 1  
2105293078. 2  
2105293079. 3  
2105293080. 4

**Question Number : 111 Question Id : 210529771 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 internal grain feeder?

1. Pulse beetle
2. Khapra beetle
3. Rice meal moth
4. Indian meal moth

**Options :**

2105293081. 1  
2105293082. 2  
2105293083. 3  
2105293084. 4

**Question Number : 112 Question Id : 210529772 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 possesses contact, systemic and fumigant actions?

1. Chloropyriphos
2. Dichlorvos
3. Ethion
4. Phorate

**Options :**

2105293085. 1  
2105293086. 2  
2105293087. 3  
2105293088. 4

**Question Number : 113 Question Id : 210529773 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**

Seed gall of wheat is caused by:

1. Insect
2. Fungus
3. Nematode
4. Mite

**Options :**

2105293089. 1  
2105293090. 2  
2105293091. 3  
2105293092. 4

**Question Number : 114 Question Id : 210529774 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**

Infective stage of Entomo-pathogenic nematodes is:

1. IJ3
2. IJ2
3. Pre-adult male
4. Pre-adult female

**Options :**

2105293093. 1  
2105293094. 2  
2105293095. 3  
2105293096. 4

**Question Number : 115 Question Id : 210529775 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**

Trichogrammatids are parasitic on insects at which stage?

1. Egg
2. Larva
3. Pupa
4. Adult

**Options :**

2105293097. 1  
2105293098. 2  
2105293099. 3  
2105293100. 4

**Question Number : 116 Question Id : 210529776 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**

Complete metamorphosis occurs in:

1. Grasshoppers
2. Leafhoppers
3. Cockroaches
4. Moths

**Options :**

- 2105293101. 1
- 2105293102. 2
- 2105293103. 3
- 2105293104. 4

**Question Number : 117 Question Id : 210529777 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 entomopathogenic nematode used in the microbial control of insect pest is:

1. *Radophilus similis*
2. *Globodera rostochinensis*
3. *Neoplactna carpocapsae*
4. *Platylenchus vulnus*

**Options :**

- 2105293105. 1
- 2105293106. 2
- 2105293107. 3
- 2105293108. 4

**Question Number : 118 Question Id : 210529778 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 rice cyst nematode?

1. *Heterodera oryzae*
2. *Heterodera graminis*
3. *Herterodera oryzicola*
4. *Heterodera major*

**Options :**

2105293109. 1  
2105293110. 2  
2105293111. 3  
2105293112. 4

**Question Number : 119 Question Id : 210529779 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 natural conditions, *Drosicha mangiferae* lays ovisac inside the:

1. Leaf curls
2. Stem crevices
3. Soil cracks
4. Inflorescence of plant host

**Options :**

2105293113. 1  
2105293114. 2  
2105293115. 3  
2105293116. 4

**Question Number : 120 Question Id : 210529780 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**

Juvenile hormone is secreted by:

1. Corpora allata
2. Corpora cardiaca
3. Neurosecretary brain cell
4. Salivary gland

**Options :**

2105293117. 1

2105293118. 2

2105293119. 3

2105293120. 4

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