

## PREVIEW QUESTION BANK

Module Name : Entomology-ENG  
Exam Date : 14-Jul-2023 Batch : 14:30-16:30

| Sr. No.            | Client Question ID | Question Body and Alternatives                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Marks | Negative Marks |
|--------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------|
| Objective Question |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |                |
| 1                  | 2001               | <p>Choose the incorrect statement regarding the composition of election commission.</p> <ol style="list-style-type: none"> <li>1. Appointment of the chief election commissioner and other election commissioners shall be made by the president.</li> <li>2. President can also appoint regional commissioners after consultation with the election commission.</li> <li>3. Conditions of service and tenure of office of the election commissioners and regional commissioners shall not be determined by the president.</li> <li>4. Article 324 under constitution of India is dealing with the composition of election commission.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0   | 1.00           |
| Objective Question |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |                |
| 2                  | 2002               | <p>Which one of the following amendment acts is referred to as the 'mini constitution'?</p> <ol style="list-style-type: none"> <li>1. 42<sup>nd</sup></li> <li>2. 44<sup>th</sup></li> <li>3. 46<sup>th</sup></li> <li>4. 48<sup>th</sup></li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>                                                                                                                                                                                                                                                                                                                                                                                              | 4.0   | 1.00           |
| Objective Question |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |                |
| 3                  | 2003               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4.0   | 1.00           |

With regard to the jurisdiction and powers of high court, disputes relating to the election of members of parliament and state legislatures, comes under the ambit of which one of the following jurisdictions?

1. Original
2. Writ
3. Appellate
4. Supervisory

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

4 2004

Which of the following is formed when the moisture is deposited in the form of water droplets on cooler surfaces of solid objects?

1. Frost
2. Fog
3. Mist
4. Dew

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

#### Objective Question

5 2005

Which of the following is the correct reason for the occurrence of best fishing grounds in the mixing zones (the mixing of warm and cold currents)?

1. It has the moderate temperature
2. It has the slowest sea waves
3. It has the high growth of planktons.
4. It has the sunrays perpendicular to the sea level.

A1 : 1

A2 : 2

4.0 1.00

A3 : 3

A4 : 4

## Objective Question

|   |      |                                                                                                                                                                                                                                                        |     |      |
|---|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 6 | 2006 | <p>Eisenhower Cup is associated with which among the following sports?</p> <ol style="list-style-type: none"> <li>1. Tennis</li> <li>2. Chess</li> <li>3. Football</li> <li>4. Golf</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|---|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

|   |      |                                                                                                                                                                                                                                                                                  |     |      |
|---|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 7 | 2007 | <p>Who was the first woman President of the Indian National Congress?</p> <ol style="list-style-type: none"> <li>1. Kasturba Gandhi</li> <li>2. Sarojini Naidu</li> <li>3. Annie Besant</li> <li>4. Aruna Ali</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|---|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

|   |      |                                                                                                                                                                                                                                          |     |      |
|---|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 8 | 2008 | <p>The dockyard was found in which of the following sites in Indus Valley Civilization?</p> <ol style="list-style-type: none"> <li>1. Chanhudaro</li> <li>2. Lothal</li> <li>3. Kalibangan</li> <li>4. Banawali</li> </ol> <p>A1 : 1</p> | 4.0 | 1.00 |
|---|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | A2 : 2 |  |  |
|  |  | A3 : 3 |  |  |
|  |  | A4 : 4 |  |  |

## Objective Question

|   |      |                                              |     |      |
|---|------|----------------------------------------------|-----|------|
| 9 | 2009 | Who built the famous Charminar of Hyderabad? | 4.0 | 1.00 |
|   |      | 1. Krishndev Rai                             |     |      |
|   |      | 2. Muhammad Quli Qutb Shah                   |     |      |
|   |      | 3. Nadir Shah                                |     |      |
|   |      | 4. Aurangzeb                                 |     |      |
|   |      | A1 : 1                                       |     |      |
|   |      | A2 : 2                                       |     |      |
|   |      | A3 : 3                                       |     |      |
|   |      | A4 : 4                                       |     |      |

## Objective Question

|    |      |                                    |     |      |
|----|------|------------------------------------|-----|------|
| 10 | 2010 | Who discovered the right triangle? | 4.0 | 1.00 |
|    |      | 1. Pythagoras                      |     |      |
|    |      | 2. Ancient Egyptians               |     |      |
|    |      | 3. Archimedes                      |     |      |
|    |      | 4. Michelangelo                    |     |      |
|    |      | A1 : 1                             |     |      |
|    |      | A2 : 2                             |     |      |
|    |      | A3 : 3                             |     |      |
|    |      | A4 : 4                             |     |      |

## Objective Question

|    |      |                                  |     |      |
|----|------|----------------------------------|-----|------|
| 11 | 2011 | Citrus canker is caused by ..... | 4.0 | 1.00 |
|    |      | 1. Virus                         |     |      |
|    |      | 2. Viriod                        |     |      |
|    |      | 3. Bacteria                      |     |      |
|    |      | 4. Fungus                        |     |      |

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | A1 : 1 |  |  |
|  |  | A2 : 2 |  |  |
|  |  | A3 : 3 |  |  |
|  |  | A4 : 4 |  |  |

## Objective Question

|    |      |                                                                                                                                                                                                                               |     |      |
|----|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 12 | 2012 | <p>DBM is a specific insect of .....</p> <ol style="list-style-type: none"> <li>1. Brinjal</li> <li>2. Tomato</li> <li>3. Cabbage</li> <li>4. Bottle gourd</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|----|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

|    |      |                                                                                                                                                                                                                                                                        |     |      |
|----|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 13 | 2013 | <p>What is the scientific name of mulberry silkworm?</p> <ol style="list-style-type: none"> <li>1. Bombyx mori</li> <li>2. Antherea paphia</li> <li>3. Antheraea assama</li> <li>4. Attacus Ricinii</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|----|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

|    |      |  |     |      |
|----|------|--|-----|------|
| 14 | 2014 |  | 4.0 | 1.00 |
|----|------|--|-----|------|

Subject matter of economics are want, effort and .....

1. Wealth
2. Growth
3. Satisfaction
4. Income

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

15 2015

The National Bureau of Animal Genetic Resources (NBAGR) is located in .....

1. Karnal
2. Bengaluru
3. Hisar
4. Jind

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

#### Objective Question

16 2016

The oldest known agroforestry systems is .....

1. Alley cropping
2. Taungya systems
3. Home Gardening
4. Shifting cultivation

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

## Objective Question

|    |      |                                                                                                                                                                                                                                                                                                                   |     |      |
|----|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 17 | 2017 | <p>The effect or requirement of the relative length of day and night on flowering is called .....</p> <ol style="list-style-type: none"> <li>1. Photomechanics</li> <li>2. Transpiration</li> <li>3. Photoperiodism</li> <li>4. Phytoperiodism</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|----|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

|    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |      |
|----|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 18 | 2018 | <p>Which of the following statements are true?</p> <p>(A) Small pores in epidermis of leaves is called stomata.</p> <p>(B) Guard cells present in the stomata are helpful in exchange of gases with atmosphere</p> <p>(C) Transpiration takes place through stomata</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. (A) and (B) only.</li> <li>2. (B) and (C) only.</li> <li>3. (A) and (C) only.</li> <li>4. (A), (B) and (C).</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|----|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

|    |      |  |     |      |
|----|------|--|-----|------|
| 19 | 2019 |  | 4.0 | 1.00 |
|----|------|--|-----|------|

Water holding capacity is highest in which of the following soils?

1. Silt soil
2. Clayey soil
3. Chalk soil
4. Peat soil

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

20 2020

Certified seed is the progeny of .....

1. Nucleus seed
2. Foundation seed
3. Breeder's seed
4. Registered seed

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

21 21001

Gel electrophoresis is used in which method for the detection of plant pathogens ?

1. Chemo-diagnostic method
2. Serodiagnostic method
3. Nucleic acid-based method
4. Cultural method

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

## Objective Question

|    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |      |
|----|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 22 | 21002 | <p>Given below are two statements :</p> <p><b>Statement (I) :</b> Pathometry involves both qualitative and quantitative measurements of plant diseases.</p> <p><b>Statement (II) :</b> The disease measurement is important only for the scientist.</p> <p>In light of the above statements, choose the <i>most appropriate</i> answer from the options given below.</p> <ol style="list-style-type: none"> <li>Both <b>statement (I)</b> and <b>statement (II)</b> are correct</li> <li>Both <b>statement (I)</b> and <b>statement (II)</b> are incorrect.</li> <li><b>Statement (I)</b> is correct but <b>statement (II)</b> is incorrect.</li> <li><b>Statement (I)</b> is incorrect but <b>statement (II)</b> is correct.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|----|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

|    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |      |
|----|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 23 | 21003 | <p>Which fungus is used for biological control of insect pests of the crop ?</p> <p>(A) <i>Botrytis cinerea</i></p> <p>(B) <i>Metarhizium anisopliae</i></p> <p>(C) <i>Hirsutella thompsonii</i></p> <p>(D) <i>Alternaria solani</i></p> <p>Choose the <i>correct</i> answer from the options given below :</p> <ol style="list-style-type: none"> <li>(A) and (B) only.</li> <li>(B) and (C) only.</li> <li>(C) and (D) only.</li> <li>(A) and (D) only.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> | 4.0 | 1.00 |
|----|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

A4 : 4

## Objective Question

24 21004

4.0

1.00

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

| <b>List I</b>                       | <b>List II</b>         |
|-------------------------------------|------------------------|
| <b>(Fungus)</b>                     | <b>(Type of spore)</b> |
| (A) <i>Synchytrium endobioticum</i> | (I) Ascospore          |
| (B) <i>Claviceps purpurea</i>       | (II) Teliospore        |
| (C) <i>Fusarium udum</i>            | (III) Zoospore         |
| (D) <i>Urocystis agropyrii</i>      | (IV) Microconidia      |

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

- (A) - (III), (B) - (IV), (C) - (I), (D) - (II)
- (A) - (III), (B) - (I), (C) - (IV), (D) - (II)
- (A) - (II), (B) - (I), (C) - (III), (D) - (IV)
- (A) - (I), (B) - (II), (C) - (IV), (D) - (III)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

25 21005

4.0

1.00

## Sugarcane ratoon stunting disease is caused by ?

- Xanthomonas euvesicatoria* pv. *perforans*
- Clavibacter michiganensis* subsp. *michiganensis*
- Leifsonia xyli* subsp. *xyli*
- Xylella fastidiosa* subsp. *pauca*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

|    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |      |
|----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 26 | 21006 | <p>Given below are two statements :</p> <p><b>Statement (I) :</b> Elicitors, produced by the avirulent gene of microbes do not induce phytoalexin production by activating certain genes in plant cells.</p> <p><b>Statement (II) :</b> The host plant develops mechanisms to defend against attack by pathogens.</p> <p>In light of the above statements, choose the <i>most appropriate</i> answer from the options given below.</p> <ol style="list-style-type: none"> <li>Both <b>statement (I)</b> and <b>statement (II)</b> are correct.</li> <li>Both <b>statement (I)</b> and <b>statement (II)</b> are incorrect.</li> <li><b>Statement (I)</b> is correct but <b>statement (II)</b> is incorrect.</li> <li><b>Statement (I)</b> is incorrect but <b>statement (II)</b> is correct.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

|    |       |                                                                                                                                                                                                                                                                                                                                                                                                                  |     |      |
|----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 27 | 21007 | <p>Which scientist did work on fungi in India ?</p> <p>(A) E.C. Stakman</p> <p>(B) E.J. Butler</p> <p>(C) M.J. Thrimulachar</p> <p>(D) M.J. Berkeley</p> <p>Choose the <i>correct</i> answer from the options given below :</p> <ol style="list-style-type: none"> <li>(A) and (B) only.</li> <li>(B) and (C) only.</li> <li>(C) and (D) only.</li> <li>(A) and (D) only.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> | 4.0 | 1.00 |
|----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

A3 : 3

A4 : 4

## Objective Question

28 21008

4.0

1.00

Which of the following increases disease severity of rice blast ?

- (A) High silicon fertilizer
- (B) Low night temperature (20<sup>0</sup>C)
- (C) High night temperature (30<sup>0</sup>C)
- (D) High nitrogen fertilizer

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

29 21009

4.0

1.00

*Botrytis cinerea* developed resistance against which fungicide ?

- 1. Metalaxyl
- 2. Benomyl
- 3. Dimethirimol
- 4. Dichloran

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

30 21010

4.0

1.00

Which is the major virulence factor of *Ralstonia solanacearum* causing bacterial wilt disease in Solanaceous crops ?

1. Secretion of massive exopolysaccharides
2. Secretion of massive amount of proteinases
3. Secretion of massive amount of toxins
4. Secretion of massive amount of auxins

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

31 21011

4.0 1.00

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

| <b>List I</b>                                      | <b>List II</b>                                                                    |
|----------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>(Book/Theory proposed/Characteristic, etc.)</b> | <b>(Author/Thinker/Name of Theory, etc.)</b>                                      |
| (A) Vertical resistance                            | (I) Pathogenicity of differentially interacting races differing in virulence      |
| (B) Horizontal resistance                          | (II) Pathogenicity of non-differentially interacting races differing in virulence |
| (C) Virulence                                      | (III) Host varieties interact differentially with races of the pathogen           |
| (D) Aggressiveness                                 | (IV) Host varieties do not interact differentially with races of the pathogen     |

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

32 21012

4.0 1.00

Genetic material of which of the following viruses is a single stranded negative RNA ?

- (A) Barley stripe mosaic virus
- (B) Tomato spotted wilt virus
- (C) Potato yellow dwarf virus
- (D) Barley yellow dwarf virus

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

33 21013

4.0 1.00

Given below are two statements :

**Statement (I) :** Apple powdery mildew is an example of a monocyclic pathogen giving rise to a polyetic epidemic.

**Statement (II) :** The Dutch elm disease is an example of a monocyclic pathogen giving rise to a polyetic epidemic.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

34 21014

4.0 1.00

Which of the following R (resistance) gene is capable of inducing resistance against Tobacco mosaic virus ?

1. *N'* gene
2. *Cf9* gene
3. *L<sub>6</sub>* gene
4. *Pto* gene

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

35 21015

4.0 1.00

Given below are two statements :

**Statement (I) :** In *Aphelenchus* dorsal oesophageal gland orifice opens in metacarpus.

**Statement (II) :** In *Aphelenchus* dorsal oesophageal gland orifice opens in procorpus.

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 true but **Statement (II)** is false.
4. **Statement (I)** is false but **Statement (II)** is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

|    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |      |
|----|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 36 | 21016 | <p>Given below are two statements :</p> <p><b>Statement (I) :</b> In India <i>Heterodera avenae</i> was first reported from Haryana in 1957.</p> <p><b>Statement (II) :</b> In India <i>Heterodera avenae</i> was first reported from Delhi in 1958.</p> <p>In light of the above statements, choose the <b><i>most appropriate</i></b> answer from the options given below.</p> <ol style="list-style-type: none"> <li>Both <b>Statement (I)</b> and <b>Statement (II)</b> are true.</li> <li>Both <b>Statement (I)</b> and <b>Statement (II)</b> are false.</li> <li><b>Statement (I)</b> is true but <b>Statement (II)</b> is false.</li> <li><b>Statement (I)</b> is false but <b>Statement (II)</b> is true.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|----|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

|    |       |                                                                                                                                                                                                                               |     |      |
|----|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 37 | 21017 | <p>In which year Citrus nematode was first reported from India ?</p> <ol style="list-style-type: none"> <li>1963</li> <li>1959</li> <li>1961</li> <li>1979</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|----|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

|    |       |  |     |      |
|----|-------|--|-----|------|
| 38 | 21018 |  | 4.0 | 1.00 |
|----|-------|--|-----|------|

How many rectal glands are present in root-knot nematodes ?

1. 4
2. 6
3. 5
4. 8

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

39 21019

4.0 1.00

Given below are two statements :

**Statement (I) :** 3rd stage juveniles of root-knot nematodes are non-feeding satge.

**Statement (II) :** 3rd stage juveniles of root-knot nematodes are feeding satge.

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 true but **Statement (II)** is false.
4. **Statement (I)** is false but **Statement (II)** is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

40 21020

4.0 1.00

Which of the following is known as lance nematode ?

1. *Hoplolaimus*
2. *Scutellonema*
3. *Rotylenchus*
4. *Belonolaimus*

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | A1 : 1 |  |  |
|  |  | A2 : 2 |  |  |
|  |  | A3 : 3 |  |  |
|  |  | A4 : 4 |  |  |

## Objective Question

|    |       |                                                              |     |      |
|----|-------|--------------------------------------------------------------|-----|------|
| 41 | 21021 | In which of the following nematode stylet knobs are absent ? | 4.0 | 1.00 |
|    |       | 1. <i>Tylenchus</i>                                          |     |      |
|    |       | 2. <i>Psilenchus</i>                                         |     |      |
|    |       | 3. <i>Aphelenchoides</i>                                     |     |      |
|    |       | 4. <i>Pratylenchus</i>                                       |     |      |
|    |       | A1 : 1                                                       |     |      |
|    |       | A2 : 2                                                       |     |      |
|    |       | A3 : 3                                                       |     |      |
|    |       | A4 : 4                                                       |     |      |

## Objective Question

|    |       |                                                    |     |      |
|----|-------|----------------------------------------------------|-----|------|
| 42 | 21022 | Ufra disease of rice is caused by which nematode ? | 4.0 | 1.00 |
|    |       | 1. <i>Aphelenchoides besseyi</i>                   |     |      |
|    |       | 2. <i>Ditylenchus destructor</i>                   |     |      |
|    |       | 3. <i>Ditylenchus angustus</i>                     |     |      |
|    |       | 4. <i>Ditylenchus minutus</i>                      |     |      |
|    |       | A1 : 1                                             |     |      |
|    |       | A2 : 2                                             |     |      |
|    |       | A3 : 3                                             |     |      |
|    |       | A4 : 4                                             |     |      |

## Objective Question

|    |       |  |     |      |
|----|-------|--|-----|------|
| 43 | 21023 |  | 4.0 | 1.00 |
|----|-------|--|-----|------|

In which year first plant parasitic nematode, *Anguina tritici* was discovered ?

1. 1749
2. 1783
3. 1843
4. 1743

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

44 21024

Which of the following genera having post-uterine sac ?

1. *Tylenchorhynchus*
2. *Hirschmanniella*
3. *Pratylenchus*
4. *Radopholus*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

45 21025

Given below are two statements :

**Statement (I) :** Soybean cyst nematode is a domestic quarantine pest in India.

**Statement (II) :** Soybean cyst nematode is an international quarantine pest in India.

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 correct.
3. **Statement (I)** is correct but **Statement (II)** is incorrect.
4. **Statement (I)** is incorrect but **Statement (II)** is correct.

4.0 1.00

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

46 21026

4.0 1.00

Given below are two statements :

**Statement (I) :** *Corpus allatum* responsible for secretion of Juvenile Hormone.

**Statement (II) :** *Corpus cardiaca* responsible for secretion of Juvenile Hormone.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

47 21027

4.0 1.00

Glossary related to Plant Protection including Biological Control is dealt as per IPPC of FAO under.

1. ISPM # 2
2. ISPM # 4
3. ISPM # 5
4. ISPM # 7

A1 : 1

A2 : 2

A3 : 3

|                    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |      |
|--------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
|                    |       | A4 : 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |      |
| Objective Question |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |      |
| 48                 | 21028 | <p>Given below are two statements :</p> <p><b>Statement (I) :</b> Tillage, hoeing, digging, mulching, and chemical control are mechanical methods of weed control.</p> <p><b>Statement (II) :</b> Tillage, hoeing, digging, mulching, and chemical control are <b>NOT</b> mechanical methods of weed control.</p> <p>In light of the above statements, choose the <i>most appropriate</i> answer from the options given below.</p> <ol style="list-style-type: none"> <li>Both <b>Statement (I)</b> and <b>Statement (II)</b> are correct.</li> <li>Both <b>Statement (I)</b> and <b>Statement (II)</b> are incorrect.</li> <li><b>Statement (I)</b> is correct but <b>Statement (II)</b> is incorrect.</li> <li><b>Statement (I)</b> is incorrect but <b>Statement (II)</b> is correct.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
| Objective Question |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |      |
| 49                 | 21029 | <p><i>Phalaris minor</i>, looks morphologically similar to :</p> <ol style="list-style-type: none"> <li>Rice</li> <li>Oat</li> <li>Wheat</li> <li>Finger millet</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4.0 | 1.00 |
| Objective Question |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |      |
| 50                 | 21030 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4.0 | 1.00 |

Which of the following is an exotic bioagent of *Parthenium hysterophorus* ?

1. *Neochetina bruchi*
2. *Neochetina eichhornia*
3. *Zygogramma bicolorata*
4. *Cassida sphaerula*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

51 21031

4.0 1.00

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

| List I                                          | List II                                   |
|-------------------------------------------------|-------------------------------------------|
| (Book/Theory proposed/<br>Characteristic, etc.) | (Author/Thinker/<br>Name of Theory, etc.) |
| (A) Cotton leafhopper                           | (I) 15 to 20% plants infested             |
| (B) Cotton aphid                                | (II) 1 to 2 nymphs/adults per leaf        |
| (C) Cotton mite                                 | (III) 10 per cm/leaf                      |
| (D) Cotton whitefly                             | (IV) 5 to 10 per leaf                     |

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

52 21032

4.0 1.00

Which of the following is the main breeding host for fruit sucking moth *Otheris* spp ?

1. *Tinospora cardifolia*
2. *Gynandropsis pentaphylla*
3. *Ipomea cairica*
4. *Triumfetta rhomboidea*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

53 21033

4.0 1.00

Given below are two statements:

**Statement (I) :** *Laccifer lacca* sucks the phloem sap from succulent twigs.

**Statement (II) :** *Cajanus cajan* is another host of *Laccifer lacca*.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

54 21034

4.0 1.00

Given below are two statements :

**Statement (I) :** Use of methyl bromide is almost phased out world over.

**Statement (II) :** Aluminium phosphide is known to deplete ozone layer.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

55 21035

Incurvariid moth pollinate :

1. Jack
2. Ficus
3. Yucca
4. Fig

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

56 21036

Which insects are used as singing pets ?

1. Crickets
2. Mole crickets
3. Grasshoppers
4. Cicadas

4.0 1.00

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

57 21037

4.0

1.00

The arachnid associated with corpses in forensic sciences is :

1. *Tetranychus* spp.
2. *Eryophyes* spp.
3. *Demodex* spp.
4. *Otobius* spp.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

58 21038

4.0

1.00

Given below are two statements :

**Statement (I) :** All locusts are grasshopper.

**Statement (II) :** All grasshoppers are solitary and nocturnal.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

|    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |     |      |
|----|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 59 | 21039 | <p>India is known for the rich fauna of the serigenous insects :</p> <p>(A) <i>Samia ricini</i> and <i>Attacus atlas</i></p> <p>(B) <i>Bombyx mori</i> and <i>Acteas selene</i></p> <p>(C) <i>Philosamia ricini</i> and <i>Antheraea myllita</i></p> <p>(D) <i>Antheraea proylei</i> and <i>A. frithi</i></p> <p>Choose the <b>correct</b> answer from the options given below :</p> <p>1. (A), (B) and (C)</p> <p>2. (B), (C) and (D)</p> <p>3. (A), (C) and (D)</p> <p>4. (A), (B), (C) and (D)</p> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|----|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

|    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |      |
|----|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 60 | 21040 | <p>The predatory fauna of lac insect in India is :</p> <p>(A) <i>Eublemma amabilis</i> and <i>Holcocera pulvereas</i></p> <p>(B) <i>Upelmus tachardiae</i> and <i>Tetrastichus purpurens</i></p> <p>(C) <i>Erencyrtus dewitzi</i> and <i>Tachardiaephagus tachardiae</i></p> <p>(D) <i>Paraethrodryinus clavicornis</i> and <i>Erencyrtus dewitzi</i></p> <p>Choose the <b>correct</b> answer from the options given below :</p> <p>1. (A) only</p> <p>2. (B) and (C)</p> <p>3. (A) and (C)</p> <p>4. (C) and (D)</p> <p>A1 : 1</p> | 4.0 | 1.00 |
|----|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

A2 : 2

A3 : 3

A4 : 4

## Objective Question

61 21041

4.0

1.00

**Match List I with List II**

| <b>List I</b>                                           | <b>List II</b>                                    |
|---------------------------------------------------------|---------------------------------------------------|
| <b>(Book/Theory proposed/<br/>Characteristic, etc.)</b> | <b>(Author/Thinker/<br/>Name of Theory, etc.)</b> |
| (A) <i>Phyllactinia corylea</i>                         | (I) Temperate tasar                               |
| (B) <i>Antheraea assamensis</i>                         | (II) Jharkhand                                    |
| (C) <i>Antheraea proylei</i>                            | (III) Mulberry plant                              |
| (D) Jalpa (Tasar eco-race)                              | (IV) Chawki rearing                               |

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

- (A)-(III), (B)-(IV), (C)-(I), (D)-(II)
- (A)-(II), (B)-(I), (C)-(IV), (D)-(III)
- (A)-(II), (B)-(I), (C)-(III), (D)-(IV)
- (A)-(II), (B)-(III), (C)-(IV), (D)-(I)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

62 21042

4.0

1.00

Ahimsa Silk is produced from :

- Samia ricini*
- Bombyx mori*
- Attacus atlas*
- Acteas selene*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

63 21043

4.0

1.00

Given below are two statements :

**Statement (I) :** The breeder's seed stock maintenance is the responsibility of breeders at (P4) stations.

**Statement (II) :** The breeder's seed stock maintenance is the responsibility of breeders at (P1) stations.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

64 21044

4.0

1.00

Raily eco-race of tasar silk worm is naturalized in the forests of :

1. Jharkhand
2. Odisha
3. Chhattisgarh
4. Maharashtra

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

65 21045

4.0

1.00

Chawki silkworm rearing under nylon nets is performed for :

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

66 21046

4.0 1.00

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

| List I                                      | List II                               |
|---------------------------------------------|---------------------------------------|
| (Book/Theory proposed/Characteristic, etc.) | (Author/Thinker/Name of Theory, etc.) |
| (A) Silk worm excreta                       | (I) Kashmir                           |
| (B) Chrysalis                               | (II) <i>Eublema amabilis</i>          |
| (C) Mulberry silkworm                       | (III) <i>Cordyceps</i>                |
| (D) Lac insect                              | (IV) Uzifly                           |

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

67 21047

4.0 1.00

Given below are two statements :

**Statement (I) :** About 40% of cocoons in respect of Bivoltine silk worms are visually selected for the preparation of P-1 DFL's.

**Statement (II) :** About 60% of cocoons in case of Multivoltine silk worms are visually selected for the preparation of P-1 DFL's.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

68 21048

4.0 1.00

Given below are two statements :

**Statement (I) :** The soil pH range between 6.5 to 7.5 is ideal for mulberry plantations.

**Statement (II) :** A wide range of acidic to alkali soils is tolerant to mulberry plantations.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

|    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |      |
|----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 69 | 21049 | <p>Given below are two statements :</p> <p><b>Statement (I) :</b> Muga silkworm (multivoltine) is reared on <i>Terminalia tomentosa</i> plantations.</p> <p><b>Statement (II) :</b> Tropical tasar feeds on <i>Ziziphus jujube</i> in wild condition.</p> <p>In light of the above statements, choose the <b><i>most appropriate</i></b> answer from the options given below.</p> <ol style="list-style-type: none"> <li>Both <b>Statement (I)</b> and <b>Statement (II)</b> are correct.</li> <li>Both <b>Statement (I)</b> and <b>Statement (II)</b> are incorrect.</li> <li><b>Statement (I)</b> is correct but <b>Statement (II)</b> is incorrect.</li> <li><b>Statement (I)</b> is incorrect but <b>Statement (II)</b> is correct.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

|    |       |                                                                                                                                                                                                                                                                                            |     |      |
|----|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 70 | 21050 | <p>The primary food plants of Muga silkworm is :</p> <ol style="list-style-type: none"> <li><i>Terminalia tomentosa</i></li> <li><i>Persea bombycina</i></li> <li><i>Shorea robusta</i></li> <li><i>Ziziphus jujuba</i></li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|----|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

|    |         |  |     |      |
|----|---------|--|-----|------|
| 71 | 1000351 |  | 4.0 | 1.00 |
|----|---------|--|-----|------|

Given below are two statements:

**Statement (I) :** Chelicerata and Mandibulata are the two large subphyla of Arthropods.

**Statement (II) :** Trilobita is an extinct third subphylum of Arthropoda.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

72 1000352

4.0 1.00

Given below are two statements:

**Statement (I) :** Macrotrichia arise from alveolus.

**Statement (II) :** Spurs are unicellular in origin.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

73 1000353

4.0 1.00

Which of the following insects have protruding eyes

- (A) Stylopids males
- (B) Damselfly
- (C) Head louse
- (D) Fleas

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

74 1000354

Thoracic gills are present in the naiads of

- 1. Mayfly
- 2. Damselfly
- 3. Stonefly
- 4. Dragonfly

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

75 1000355

4.0 1.00

Match the following insects with their wing coupling mechanisms

| List-I          | List-II          |
|-----------------|------------------|
| (A) Skipper     | (I) Jugate       |
| (B) Hornet      | (II) Uncoupled   |
| (C) Termites    | (III) Hamulate   |
| (D) Ghost moths | (IV) Amplexiform |

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

- (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
- (A) - (III), (B) - (I), (C) - (IV), (D) - (II)
- (A) - (III), (B) - (I), (C) - (II), (D) - (IV)
- (A) - (I), (B) - (II), (C) - (III), (D) - (IV)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

76 1000356

Which of the following chemicals contribute cold hardiness in insects?

- Trehalose
- Glycerol
- Methionine
- Sorbitol

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

- (A) only
- (B) only
- (A) and (B)
- (C) and (D)

A1 : 1

A2 : 2

A3 : 3

4.0 1.00

A4 : 4

## Objective Question

|    |         |                                                                                                                                                                                                                                               |     |      |
|----|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 77 | 1000357 | <p>Which of the following is the post genital appendage</p> <ol style="list-style-type: none"> <li>1. Paramere</li> <li>2. Pallium</li> <li>3. Paraproct</li> <li>4. Penis</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|----|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

781000358

4.01.00

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

| List-I                   | List-II           |
|--------------------------|-------------------|
| (A) Metallic wood borers | (I) Tipulidae     |
| (B) Leather jackets      | (II) Cephidae     |
| (C) Stem saw flies       | (III) Buprestidae |
| (D) Damsel bugs          | (IV) Nabidae      |

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

- (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
- (A) - (III), (B) - (I), (C) - (IV), (D) - (II)
- (A) - (III), (B) - (I), (C) - (II), (D) - (IV)
- (A) - (I), (B) - (II), (C) - (III), (D) - (IV)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

|    |         |  |     |      |
|----|---------|--|-----|------|
| 79 | 1000359 |  | 4.0 | 1.00 |
|----|---------|--|-----|------|

Given below are two statements:

**Statement (I) :** Palpifer is the prominence on which labial palps attach.

**Statement (II) :** Palpiger is the prominence on which maxillary palps attach.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

|    |         |                                                                                                                                                                                                                                                                                                    |     |      |
|----|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 80 | 1000360 | <p>The type of larvae in crane flies is</p> <ol style="list-style-type: none"> <li>1. Apodous and Hemicephalous</li> <li>2. Protopod and Eucephalous</li> <li>3. Oligopod and Hemicephalous</li> <li>4. Polypod and Eucephalous</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|----|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

Objective Question

|    |         |  |     |      |
|----|---------|--|-----|------|
| 81 | 1000361 |  | 4.0 | 1.00 |
|----|---------|--|-----|------|

Match the following concept with the respective scientists

| List-I                            | List-II             |
|-----------------------------------|---------------------|
| (A) First definition of Ecology   | (I) Liebig          |
| (B) Precise definition of Ecology | (II) P.W. Price     |
| (C) Law of minimum                | (III) Ernst Haeckel |
| (D) Insect Ecology                | (IV) E.P. Odum      |

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

- (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
- (A) - (III), (B) - (IV), (C) - (I), (D) - (II)
- (A) - (IV), (B) - (II), (C) - (III), (D) - (I)
- (A) - (II), (B) - (I), (C) - (IV), (D) - (III)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

82 1000362

4.0 1.00

Given below are two statements:

**Statement (I) :** Dorsal closure of the embryo involves in the formation of a primary dorsal organ.

**Statement (II) :** Katatrepsis is the second stage of blastokinesis.

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

- Both **Statement (I)** and **Statement (II)** are correct.
- Both **Statement (I)** and **Statement (II)** are incorrect.
- Statement (I)** is correct but **Statement (II)** is incorrect.
- Statement (I)** is incorrect but **Statement (II)** is correct.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

|    |         |                                                                                                                                                                                                                                                                                 |     |      |
|----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 83 | 1000363 | <p>Mycetomes are well developed in</p> <ol style="list-style-type: none"> <li>1. Stored product beetles</li> <li>2. Leaf eating caterpillars</li> <li>3. Aquatic insects</li> <li>4. Parasitic hymenopterans</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

|    |         |                                                                                                                                                                                                                                                                                        |     |      |
|----|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 84 | 1000364 | <p>Which of the following structure is called gastric mill in the digestive system ?</p> <ol style="list-style-type: none"> <li>1. Crop</li> <li>2. Proventriculus</li> <li>3. Mesenteron</li> <li>4. Cardiac valve</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|----|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

|    |         |                                                                                                                                                                                                                                                                                                                                                                                                             |     |      |
|----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 85 | 1000365 | <p>Which of the following can be promoted as trap crop for several mealy bug species to exploit augmentation of natural enemies?</p> <ol style="list-style-type: none"> <li>1. Sorrel, <i>Hibiscus sabdariffa</i></li> <li>2. Marigold, <i>Tagetes erecta</i></li> <li>3. Cowpea, <i>Vigna anguiculata</i></li> <li>4. Castor, <i>Ricinus communis</i></li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> | 4.0 | 1.00 |
|----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

A4 : 4

## Objective Question

86 1000366

4.0 1.00

Given below are two statements:

**Statement (I) :** *Alternaria* spp., *Fusarium* spp., *Rhizopus* sp. and *Mucor* spp. are the microflora found in grain storage environment

**Statement (II) :** Ochratoxin is produced by stored product fungi, contaminating food commodities

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

87 1000367

4.0 1.00

India comes under the biogeography of

1. Australian Region
2. Ethiopian Region
3. Oriental Region
4. Neotropical Region

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

88 1000368

4.0 1.00

Which of the following is an egg-larval parasitoid

1. *Bracon brevicornis*
2. *Goniozus nephantidis*
3. *Diadegma semiclausum*
4. *Chelonus blackburni*

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

89 1000369

Which of the following animal was introduced from India to Caribbean region to control rats in sugarcane plantations.

1. Owl
2. Mongoose
3. Rat snake
4. Cat

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

90 1000370

Which of the following is a traditional storage structure?

1. Crib
2. Squat silo
3. Deep bins
4. Shed

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

## Objective Question

|    |         |                                                                                                                                                                                                                                                                                                                                                                 |     |      |
|----|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 91 | 1000371 | <p>Pesticide resistance was first time reported in India in case of</p> <ol style="list-style-type: none"> <li>1. Insect pest of public health importance</li> <li>2. Insect pest of agricultural crops</li> <li>3. Insect pest of stored grains</li> <li>4. Insect pest of domestic animals</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|----|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

|    |         |                                                                                                                                                                                                                                                             |     |      |
|----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 92 | 1000372 | <p>Who can be considered as the Father of Modern Toxicology?</p> <ol style="list-style-type: none"> <li>1. Aristotle</li> <li>2. Dioscorides</li> <li>3. Paracelsus</li> <li>4. Socrates</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

|    |         |                                                                                                                                                                                                                                                                                                                              |     |      |
|----|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 93 | 1000373 | <p>What is the ADI (acceptable daily intake) of a 60 kg man when the NOEL (no observable effect level) = 5 mg/kg, and Safety factor = 100; for a chronic study.</p> <ol style="list-style-type: none"> <li>1. 3 mg/day</li> <li>2. 6 mg/day</li> <li>3. 5 mg/day</li> <li>4. 1 mg/day</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> | 4.0 | 1.00 |
|----|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

A3 : 3

A4 : 4

## Objective Question

94 1000374

4.0 1.00

Given below are two statements:

**Statement (I) :** In a normal distribution pattern, both frequency-response and cumulative-response graph graphs, are generated from the same data set.

**Statement (II) :** In a normal distribution pattern, both frequency-response and cumulative-response graph, graphs are generated from different data set.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

95 1000375

4.0 1.00

Pesticide resistance was first reported in *Tribolium castaneum* in 1971, against

1. DDT
2. Malathion
3. DDT and Malathion
4. Synthetic pyrethroids

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

96 1000376

4.0 1.00

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

| <b>List-I</b>      | <b>List-II</b>                   |
|--------------------|----------------------------------|
| (A) Othmar Zeidler | (I) Insect Pest Management       |
| (B) Geier & Clark  | (II) DDT discovery               |
| (C) Barlett        | (III) Insecticidal action of DDT |
| (D) Paul Muller    | (IV) Insect Pest Control         |

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

- (A) – (I), (B) – (II), (C) – (III), (D-IV)
- A-II, B-I, C-IV,D-III
- A-I, B-II, C-IV,D-III
- A-IV, B-II, C-III, D-I

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

97 1000377

*Helopeltis* species, the notorious mosquito bug is a major pest of

- Cashew and Chickpea
- Tea and Cotton
- Cocoa and Cashew
- Cashew and Cotton

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

## Objective Question

98 1000378

4.0 1.00

Combinely they termed 'paper factor' while advancing the concept of hormonal control of insects

1. Karel Slama and Williams
2. Williams and Bowels
3. Karel Slama and Bowels
4. Butenandt and Karlson

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

|    |         |                                                                                                                                                                                                                                                                                                        |     |      |
|----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 99 | 1000379 | <p>Silver shoot or Onion leaf symptom is a typical condition observed in rice for which insect pest?</p> <ol style="list-style-type: none"> <li>1. Gall midge</li> <li>2. Leaf folder</li> <li>3. Stem borer</li> <li>4. Rice Hispa</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

#### Objective Question

|     |         |                                                                                                                                                                                                                                                                                                                                                                              |     |      |
|-----|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 100 | 1000380 | <p>Higher termites form termitaria wherin the fungal garden harbours Termitomyces, a fungus which is</p> <ol style="list-style-type: none"> <li>1. Saprophytic and obligatory association with termites</li> <li>2. Mandatory association</li> <li>3. Facultative association</li> <li>4. Not at all needed for survival of termites.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> | 4.0 | 1.00 |
|-----|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | A3 : 3 |  |  |
|  |  | A4 : 4 |  |  |

## Objective Question

|     |         |                                                                                                                                                                                                                                                              |     |      |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 101 | 1000381 | <p>Sudden increase in insect population is termed as</p> <ol style="list-style-type: none"> <li>1. Resistance</li> <li>2. Resurgence</li> <li>3. Residue</li> <li>4. Population explosion</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

|     |         |                                                                                                                                                                                                                                                                                                                                |     |      |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 102 | 1000382 | <p>The recent past virus complex issue in tomato crop in Maharashtra state is locally termed as</p> <ol style="list-style-type: none"> <li>1. Tiranga disease</li> <li>2. Plastic fruit</li> <li>3. Tiranga and plastic fruits</li> <li>4. Tungro in tomato</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p> | 4.0 | 1.00 |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|

## Objective Question

|     |         |  |     |      |
|-----|---------|--|-----|------|
| 103 | 1000383 |  | 4.0 | 1.00 |
|-----|---------|--|-----|------|

Given below are two statements:

**Statement (I) :** Insecticides Act, 1968 provides detailed guidelines and procedures for the implementation of the Act

**Statement (II) :** Insecticides Rules, 1971 is the primary legislation that establishes the legal framework for the regulation of insecticides

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

104 1000384

4.0 1.00

Which of the following statement is true?

- (A) Plumbagin and Triazines
- (B) Diflubenzuron and Buprofezin
- (C) Thiamethoxam and Imidacloprid

Choose the **correct** option for chitin synthesis inhibitors

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

105 1000385

4.0 1.00

Which one is not a Bt-based product?

1. Biobit
2. Bioasp
3. Dimilin
4. Delfin

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

106 1000386

Ant-technology (use of red ant *Oecophylla smargdina*) is successfully used in which crop/crops?

1. Mango
2. Cashew
3. Cashew and Mango
4. Cotton

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

107 1000387

4.0 1.00

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

| <b>List-I</b>                                           | <b>List-II</b>                                    |
|---------------------------------------------------------|---------------------------------------------------|
| <b>(Book/Theory proposed/<br/>Characteristic, etc.)</b> | <b>(Author/Thinker/<br/>Name of Theory, etc.)</b> |
| (A) <i>Achaea janata</i>                                | (I) Jute                                          |
| (B) <i>Anomis sabulifera</i>                            | (II) Castor                                       |
| (C) <i>Agromyza obtuse</i>                              | (III) Sorghum                                     |
| (D) <i>Atherigona soccata</i>                           | (IV) Red gram                                     |

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

- (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
- (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
- (A) - (II), (B) - (I), (C) - (III), (D) - (IV)
- (A) - (I), (B) - (II), (C) - (IV), (D) - (III)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

108 1000388

*Bacillus thuringiensis* (Bt) based pesticides should preferably sprayed in the crop in

- Day time
- Evening time
- Morning hours
- Either dawn or dusk

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

## Objective Question

109 1000389

4.0 1.00

Discriminating diagnostic dose of insecticides for resistance monitoring is the amount of pesticide at

1. LD<sub>50</sub>
2. LT<sub>50</sub>
3. LD<sub>95</sub>
4. LD<sub>25</sub>

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

110 1000390

4.0 1.00

Given below are two statements:

**Statement (I) :** In a probit analysis, 50% mortality corresponds to probit value 5.

**Statement (II) :** In a probit analysis, 50% mortality corresponds to log value 10.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

111 1000391

4.0 1.00

The banana bunchy top virus (BBTV) transmitted by aphid in following manner

1. Persistent-circulative
2. Non-persistent-forgut-borne
3. Non-persistent-stylet-borne
4. Physical transmission

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

112 1000392

4.0 1.00

## Match List I with List II

| List I                                      | List II                              |
|---------------------------------------------|--------------------------------------|
| (Disease)                                   | (Vector)                             |
| (A) Cucumber green mottle virus             | (I) <i>Sogatella furcifera</i>       |
| (B) <i>Fijivirus</i> /Pangola stunt virus   | (II) <i>Raphidopalpa foveicollis</i> |
| (C) Bhindi yellow vein mosaic virus (BYVMV) | (III) <i>Diaphorina citri</i>        |
| (D) Citrus greening                         | (IV) <i>Bemisia tabaci</i>           |

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

- (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
- (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
- (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
- (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

113 1000393

4.0 1.00

Given below are two statements:

**Statement (I) :** Of all the insect orders, the insects with biting mouthparts are generally responsible for the production of phytotoxemia.

**Statement (II) :** Of all the insect orders, the insects with sucking mouthparts are generally responsible for the production of phytotoxemia.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

114 1000394

Pathogen remains with a vector from one instar to the next in the following transmission

- (A) Transovarial transmission
- (B) Transstadial transmission
- (C) Horizontal transmission
- (D) Semi-persistent

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

115 1000395

4.0 1.00

Following pest larvae bore into tender shoots and causes “dead hearts”

1. *Bactrocera cucurbitae*
2. *Leucinodes orbonalis*
3. *Urentius hystrixellus*
4. *Epilachna* sp.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

#### Objective Question

116 1000396

Following species of insects are used as weed killers

- (A) *Dactylopius tomentosus*
- (B) *Orthezia insignis*
- (C) *Opuntia dillenii*
- (D) *Neochetina eichhorniae*

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

#### Objective Question

117 1000397

4.0 1.00

Given below are two statements:

**Statement (I) :** The black dwarf bee, *Apis andreniformis* nests are single comb.

**Statement (II) :** The rock bee, *Apis dorsata* nests are single open comb.

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.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

118 1000398

Given below are two statements, one is labelled as **Assertion (A)** and other one labelled as **Reason (R)**.

**Assertion (A) :** *Eublemma amabilis* and *Syncola pulvereana* are the two important lepidopteran pests of lac crop.

**Reason (R):** As a management practice against predatory lepidopterans in lac cultivation use of 60 mesh net is recommended.

In light of the above statements, choose the **correct** answer from the options given below.

1. Both **(A)** and **(R)** are true but **(R)** is NOT the correct explanation of **(A)**.
2. Both **(A)** and **(R)** are true and **(R)** is the correct explanation of **(A)**.
3. **(A)** is true but **(R)** is false.
4. **(A)** is false but **(R)** is true.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00

Objective Question

119 1000399

4.0 1.00

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

| <b>List I</b>    | <b>List II</b>                             |
|------------------|--------------------------------------------|
| <b>(Disease)</b> | <b>(Causal organism)</b>                   |
| (A) Pebrine      | (I) Baculovirus                            |
| (B) Grasserie    | (II) Microsporidian                        |
| (C) Flatcheri    | (III) Fungi                                |
| (D) Muscardine   | (IV) Syndrome caused by multiple organisms |

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

- (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
- (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
- (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
- (A) - (I), (B) - (II), (C) - (IV), (D) - (III)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

## Objective Question

120 1000400

For insect behavioral choice experiments which of the following analysis is best suited

- $\chi^2$  (chi-squared) test for independence
- Principal component analysis
- Probit analysis
- Regression analysis

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 1.00