

# ICAR AIEEA PG

## QUESTION PAPER

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## PREVIEW QUESTION BANK

Module Name : ENTOMOLOGY AND NEMATOLOGY-ENG  
Exam Date : 29-Jun-2024 Batch : 10:00-12:00

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	40001	<p>The first KVK was established by ICAR at Puducherry in the year</p> <ol style="list-style-type: none"> <li>1. 1968</li> <li>2. 1974</li> <li>3. 1996</li> <li>4. 1980</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	40002	<p>The concept of "Green Revolution " in India was formulated during</p> <ol style="list-style-type: none"> <li>1. First- Five Year Plan</li> <li>2. Second- Five Year Plan</li> <li>3. Third- Five Year Plan</li> <li>4. Fourth- Five Year Plan</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	40003	<p>The "Begging Bowl" status in India with regards to chronic food shortage was referred during</p> <ol style="list-style-type: none"> <li>1. 1940s</li> <li>2. 1950s</li> <li>3. 1960s</li> <li>4. 1980s</li> </ol> <p>A1 : 1</p>	4.0	1.00



A2 : 2

A3 : 3

A4 : 4

## Objective Question

4	40004	<p>Given below are two statements:</p> <p>Statement (I): National Research Centre for Medicinal and Aromatic Plants is situated at Anand</p> <p>Statement (II): NRCMAP was upgraded as ICAR- Directorate of Medicinal and Aromatic Plants during the year 2010</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 Statement (I) and Statement (II) are correct.</li> <li>Both Statement (I) and Statement (II) are incorrect.</li> <li>Statement (I) is correct but Statement (II) is incorrect.</li> <li>Statement (I) is incorrect but Statement (II) is correct.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

5	40005	<p>Given below are two statements:</p> <p>Statement (I): Central Agricultural University is in Jorhat</p> <p>Statement (II): Central Agricultural University is in Imphal</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 Statement (I) and Statement (II) are correct.</li> <li>Both Statement (I) and Statement (II) are incorrect.</li> <li>Statement (I) is correct but Statement (II) is incorrect.</li> <li>Statement (I) is incorrect but Statement (II) is correct.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

6	40006		4.0	1.00
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Given below are two statements:

Statement (I): ICAR-National Research Centre on Mithun is in Medziphema

Statement (II): Mithun is a buffalo-like animal

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

7 40007

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). Imperial Bacterial Laboratory	(I). Pusa, Bihar
(B). Agricultural Research Institute	(II). Pune, Maharashtra
(C). Central Food Technological Res. Instt	(III). Mysore, Karnataka
(D). Indian Council of Agricultural Research	(IV). New Delhi

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question



8	40008	<p>Match List-I with List-II</p> <table border="1"> <thead> <tr> <th>List-I</th> <th>List-II</th> </tr> </thead> <tbody> <tr> <td>(Book/Theory proposed/Characteristic, etc.)</td> <td>(Author/Thinker/Name of Theory, etc.)</td> </tr> <tr> <td>(A). Royal Commission on Agriculture</td> <td>(I). 1943</td> </tr> <tr> <td>(B). Bengal Femine</td> <td>(II). 1928</td> </tr> <tr> <td>(C). Grow more food enquiry committee</td> <td>(III). 2006</td> </tr> <tr> <td>(D). MGNREGA</td> <td>(IV). 1952</td> </tr> </tbody> </table> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>(A) - (II), (B) - (I), (C) - (III), (D) - (IV)</li> <li>(A) - (II), (B) - (I), (C) - (IV), (D) - (III)</li> <li>(A) - (I), (B) - (II), (C) - (IV), (D) - (III)</li> <li>(A) - (III), (B) - (IV), (C) - (I), (D) - (II)</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	List-I	List-II	(Book/Theory proposed/Characteristic, etc.)	(Author/Thinker/Name of Theory, etc.)	(A). Royal Commission on Agriculture	(I). 1943	(B). Bengal Femine	(II). 1928	(C). Grow more food enquiry committee	(III). 2006	(D). MGNREGA	(IV). 1952	4.0	1.00
List-I	List-II															
(Book/Theory proposed/Characteristic, etc.)	(Author/Thinker/Name of Theory, etc.)															
(A). Royal Commission on Agriculture	(I). 1943															
(B). Bengal Femine	(II). 1928															
(C). Grow more food enquiry committee	(III). 2006															
(D). MGNREGA	(IV). 1952															



## Objective Question

9	40009	<p>Which of the followings belong to Poaceae family?</p> <p>(A) Pearl millet, Rice and Wheat</p> <p>(B) Fox-tail, Barley and Sorghum</p> <p>(C) Horsegram and Chia seeds</p> <p>(D) Cotton and Okra</p> <p>Choose the <b>correct</b> 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>(B) and (D) only</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p>	4.0	1.00
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A4 : 4

## Objective Question

10	40010	<p>Which of the followings pertain to Rice cultivars?</p> <p>(A). Sona -Masuri and Kasturi</p> <p>(B). Jaya and Kalinga</p> <p>(C). K-68 and Radhey</p> <p>(D). Swarna and Radhey</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <p>1. (A) and (B) only.</p> <p>2. (B) and (C) only.</p> <p>3. (C) and (D) only.</p> <p>4. (A) and (C) only.</p> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

11	40011	<p>Which one of the following is a micro element ?</p> <p>1. Nitrogen</p> <p>2. Magnesium</p> <p>3. Sulphur</p> <p>4. Manganese</p> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

12	40012		4.0	1.00
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Which one of the following animals come under the micro animals?

- A. Squirrels
- B. Beetles
- C. Mice
- D. Protozoa

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

13 40013

4.0 1.00

The shallow black soil dominates in which of the following States?

- A. Madhya Pradesh
- B. Maharashtra
- C. Odisha
- D. Tamil Nadu

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4



Objective Question

14 40014

4.0 1.00

Match List-I with List-II

List-I	List-II
A. The Indian Journal of Agricultural Sciences	I. India
B. Biology and Fertility of Soils	II. Japan
C. International Journal of Food Sciences and Nutrition	III. Netherlands
D. Agriculture Ecosystems and Environment	IV. USA

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4



Objective Question

15 40015

4.0 1.00

Match List-I with List-II

List-I	List-II
A. Abiotic resistance	I. GM Maize (Corn borer)
B. Herbicide resistance	II. Drought
C. Insect resistance	III. GM Crop (Glyphosate)
D. Pathogen resistance	IV. Cucumber Mosaic Virus

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

16 40016

4.0 1.00

Principles of experimental design were developed by

1. Wilcox
2. R.A. Fisher
3. Cox and Cochran
4. WG Cochran

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

17 40017

4.0 1.00

Match List-I with List-II

List-I	List-II
A. Cereals	I. Potato
B. Semi-perishables	II. Rice
C. Oilseeds	III. Maize
D. Coarse grains	IV. Safflower

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

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

A1 : 1

A2 : 2



A3 : 3

A4 : 4

## Objective Question

18	40018	<p>Given below are two statements:</p> <p>Statement (I): Management of pesticide use is not an integral part of IPM</p> <p>Statement (II): IPM is not to refine the pesticide application recommendations?</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 Statement (I) and Statement (II) are true.</li> <li>Both Statement (I) and Statement (II) are false.</li> <li>Statement (I) is true but Statement (II) is false.</li> <li>Statement (I) is false but Statement (II) is true.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

19	40019	<p>Given below are two statements:</p> <p>Statement (I): Banana puree is used in dairy products and bakery</p> <p>Statement (II): Banana flour and banana beverages are not becoming popular.</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 Statement (I) and Statement (II) are true.</li> <li>Both Statement (I) and Statement (II) are false.</li> <li>Statement (I) is true but Statement (II) is false.</li> <li>Statement (I) is false but Statement (II) is true.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

20	40020		4.0	1.00
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Given below are two statements:

Statement (I): In Soyabean, generally, 75-80 kg/ha seed is recommended in kharif

Statement (II): For spring season soyabean crop, 100 kg/ha seed is recommended

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

21	40021	<p>Arthropods have a characteristic feature of</p> <ol style="list-style-type: none"> <li>1. Cuticular exoskeleton</li> <li>2. Aerial mode of life</li> <li>3. Presence of wing venation</li> <li>4. Bright colouration</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

22	40022	<p>Insect glands responsible for lubrication of mouthparts are/is</p> <ol style="list-style-type: none"> <li>1. Maxillary gland</li> <li>2. Pharyngeal gland</li> <li>3. Salivary gland</li> <li>4. Mandibular gland</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p>	4.0	1.00
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A4 : 4

## Objective Question

23	40023	<p>Carnivorous species which actively pursue their prey have</p> <ol style="list-style-type: none"> <li>1. Prognathus mouthparts</li> <li>2. Hypognathus mouthparts</li> <li>3. Opisthonagus mouthparts</li> <li>4. Opisthorhynchous mouthparts</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

24	40024	<p>Grooves with a purely functional origin in insects is called</p> <ol style="list-style-type: none"> <li>1. Sulci</li> <li>2. Membrane</li> <li>3. Pit</li> <li>4. Crack</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

25	40025	<p>Given below are two statements:</p> <p>Statement (I): <i>Aedes aegyptii</i> contains no anti-coagulant and the blood clots in the stomach within 15 mints of feeding.</p> <p>Statement (II): <i>Aedes aegyptii</i> contains an anti-coagulant which prevents the blood clots in the stomach within 15 mints of feeding.</p> <p>In light of the above statements, choose the most appropriate answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. Both Statement (I) and Statement (II) are correct.</li> <li>2. Both Statement (I) and Statement (II) are incorrect.</li> <li>3. Statement (I) is correct but Statement (II) is incorrect.</li> <li>4. Statement (I) is incorrect but Statement (II) is correct.</li> </ol>	4.0	1.00
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		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question				
26	40026	<p>Predaceous insect which restrains its prey by sheer mechanical strength and then tears it to pieces with powerful mandibles is</p> <ol style="list-style-type: none"> <li>1. Cockroach</li> <li>2. Grasshopper</li> <li>3. Mantis</li> <li>4. Predatory Mite</li> </ol>	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		



Objective Question				
27	40027	<p>Mutual exchange of food in social insects is know as</p> <ol style="list-style-type: none"> <li>1. Social Feeding</li> <li>2. Trophallaxis</li> <li>3. Preoral feeding</li> <li>4. Proctodaeal feeding</li> </ol>	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question				
28	40028	<p>The insect hindgut is usually more acidic than the midgut, partly due to</p> <ol style="list-style-type: none"> <li>1. Gizzard</li> <li>2. Crop</li> <li>3. Midgut</li> <li>4. Malpighian Tubules</li> </ol>	4.0	1.00

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

Objective Question

29	40029	<p>insect cells housing the symbionts are known as</p> <ol style="list-style-type: none"> <li>1. Mycetocytes</li> <li>2. Goblet cells</li> <li>3. Rectal cells</li> <li>4. Acinar cells</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

30	40030	<p>Pterostigmata is present on forewings of</p> <ol style="list-style-type: none"> <li>(A) Hymenoptera</li> <li>(B) Psocoptera</li> <li>(C) Megaloptera</li> <li>(D) Mecoptera</li> </ol> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. (A) and (D) only.</li> <li>2. (A), (B) and (D) only.</li> <li>3. (A), (B), (C) and (D).</li> <li>4. (B), (C) and (D) only.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

31	40031		4.0	1.00
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		<p>When all the segments differentiate in the embryo, the development is</p> <ol style="list-style-type: none"> <li>1. Pseudo</li> <li>2. Anamorphic</li> <li>3. Epimorphic</li> <li>4. Complete</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>		
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Objective Question

32	40032	<p>Calvin cycle represents the phenomenon of</p> <ol style="list-style-type: none"> <li>1. Oxidative Carboxylation</li> <li>2. Substrate Level Phosphorylation</li> <li>3. Dark Respiration</li> <li>4. Reductive Carboxylation</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

33	40033	<p>Chloroplasts are disrupted and the stroma separated from the lamella. The isolated stroma will fix CO<sub>2</sub>, if it is supplied with</p> <ol style="list-style-type: none"> <li>1. ATP and NADPH</li> <li>2. Oxygen</li> <li>3. Light</li> <li>4. Carotenoid</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

34	40034		4.0	1.00
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In Calvin cycle, Rubisco incorporates CO<sub>2</sub> into ribulose 1,5 bisphosphate which rapidly splits into

1. Glyceraldehyde 3-phosphate
2. 2,3 phosphoglyceric acid
3. 3 phosphoglycerate
4. 1,3 diphosphoglycerate

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

35 40035

4.0 1.00

In photosynthesis, OEC stands for

1. Oxygen evolving complex
2. Oxygen emitting complex
3. Oxygen ectoplasm complex
4. Outer ectoplasm complex

A1 : 1

A2 : 2

A3 : 3

A4 : 4



Objective Question

36 40036

4.0 1.00

Given below are two statements:

Statement (I): Development of an organism from a cell in culture medium is known as Totipotency

Statement (II): Development of a fruit from flower in a culture medium is known as Totipotency

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

37	40037	<p>Example of Root knot Nematode is</p> <ol style="list-style-type: none"> <li>1. <i>Meloidogyne</i></li> <li>2. <i>Ascaris</i></li> <li>3. <i>Trichinella</i></li> <li>4. <i>Taenia</i></li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

38	40038	<p>Given below are two statements:</p> <p>Statement (I): <i>Helminthosporium oryzae</i> was the causative agent for Irish Famine in 1845</p> <p>Statement (II): <i>Helminthosporium oryzae</i> was the causative agent for Bengal Famine in 1943</p> <p>In light of the above statements, choose the most appropriate answer from the options given below</p> <ol style="list-style-type: none"> <li>1. Both Statement (I) and Statement (II) are correct.</li> <li>2. Both Statement (I) and Statement (II) are incorrect.</li> <li>3. Statement (I) is correct but Statement (II) is incorrect.</li> <li>4. Statement (I) is incorrect but Statement (II) is correct.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

39	40039		4.0	1.00
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Given below are two statements:

Statement (I): *Xiphinema* spp of nematodes is also known as Dagger nematodes

Statement (II): *Xiphinema* spp of nematodes is also known as Lesion nematodes

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

40	40040	<p>Which of the given gland is <b>not</b> found in male cockroach ?</p> <p>(A). Collateral gland</p> <p>(B). Phallic gland</p> <p>(C). Utricular gland</p> <p>(D). Conglobate gland</p> <p>Choose the <b>correct</b> answer from the options given below.</p> <ol style="list-style-type: none"> <li>1. (A) only</li> <li>2. (D) only</li> <li>3. (B),(C) and (D) only</li> <li>4. (A), (B), (C) and (D)</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

41	40041		4.0	1.00
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Match List-I with List-II

List-I	List-II
(A). Nullisomy	(I). $2n+2$
(B). Trisomy	(II). $2n+1$
(C). Monosomy	(III). $2n-1$
(D). Tetrasomy	(IV). $2n-2$

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

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

42 40042

4.0 1.00

Match List-I with List-II

List-I	List-II
(A). <i>Pisum sativum</i>	(I). Incomplete Dominance
(B). <i>Mirabilis jalapa</i>	(II). Model Organism
(C). <i>Neurospora</i>	(III). Mendel's Laws
(D). <i>Lathyrus odoratus</i>	(IV). Complementary Genes

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

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

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

Objective Question

43	40043	<p>Chewing and biting type of mouthparts are also known as</p> <ol style="list-style-type: none"> <li>1. Siphoning Type</li> <li>2. Chewing and lapping type</li> <li>3. Sponging type</li> <li>4. Mandibulate Type</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

44	40044	<p>Given below are two statements:</p> <p>Statement (I): Stubby root nematode are also known as Longidorids</p> <p>Statement (II): Stubby root nematode are also known as Trichodorids</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>1. Both Statement (I) and Statement (II) are correct</li> <li>2. Both Statement (I) and Statement (II) are incorrect</li> <li>3. Statement (I) is correct but Statement (II) is incorrect</li> <li>4. Statement (I) is incorrect but Statement (II) is correct</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

45	40045		4.0	1.00
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The codons causing gene termination are

- (A) UAA
- (B) UAG
- (C) UUU
- (D) UGA

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

46	40046	<p>Bacterial plasmid contains</p> <ul style="list-style-type: none"> <li>1. RNA</li> <li>2. DNA</li> <li>3. Proteins</li> <li>4. Histone proteins</li> </ul> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

47	40047	<p>Formic acid is produced by</p> <ul style="list-style-type: none"> <li>1. White ant</li> <li>2. Cockroach</li> <li>3. Red ant</li> <li>4. House fly</li> </ul> <p>A1 : 1</p>	4.0	1.00
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		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

48	40048	<p>Given below are two statements:</p> <p>Statement (I): Linkage was given by G. Mendel</p> <p>Statement (II): Linkage was given by T.H.Morgan</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 Statement (I) and Statement (II) are correct.</li> <li>Both Statement (I) and Statement (II) are incorrect.</li> <li>Statement (I) is correct but Statement (II) is incorrect.</li> <li>Statement (I) is incorrect but Statement (II) is correct.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

49	40049	<p>Book lungs are the respiratory organs in</p> <ol style="list-style-type: none"> <li>Mollusca</li> <li>Earthworm</li> <li>Silverfish</li> <li>Arachnida</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

50	40050		4.0	1.00
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Small adhesive pads on the tarsomeres in cockroach are known as

1. Plantulae
2. Arolium
3. Trochanter
4. Tibia

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

51	40051	<p>The bulk fixation of carbon through photosynthesis takes place in</p> <ol style="list-style-type: none"> <li>1. Crop plant and tropical rain forest</li> <li>2. Tropical rain forest</li> <li>3. Crop plants</li> <li>4. Ocean</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

52	40052	<p>Needle nematodes are important vectors of</p> <p>(A). Raspberry ringspot virus</p> <p>(B). Tomato black ring virus</p> <p>(C). Arabis mosaic</p> <p>(D). Broomgrass mosaic</p> <p>Choose the <b>correct</b> answer from the options given below</p> <ol style="list-style-type: none"> <li>1. (A) and (D) only.</li> <li>2. (B) and (D) only.</li> <li>3. (A) and (C) only.</li> <li>4. (A) and (B) only.</li> </ol> <p>A1 : 1</p>	4.0	1.00
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A2 : 2

A3 : 3

A4 : 4

## Objective Question

53	40053	<p>In gradual metamorphosis the young is known as</p> <ol style="list-style-type: none"> <li>1. Nymhp</li> <li>2. Naid</li> <li>3. Stadium</li> <li>4. Crawler</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

54	40054	<p>Fungicide is obtained from</p> <ol style="list-style-type: none"> <li>1. Amia</li> <li>2. Neem</li> <li>3. Sunflower</li> <li>4. Asparagus</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

55	40055	<p>A short mechanism that usually involves a short segment of DNA with remarkable capacity to move from one location in a chromosome to another is called</p> <ol style="list-style-type: none"> <li>1. DNA Replication</li> <li>2. DNA Transposon</li> <li>3. DNA Hybridisation</li> <li>4. DNA Recombination</li> </ol> <p>A1 : 1</p>	4.0	1.00
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A2 : 2

A3 : 3

A4 : 4

## Objective Question

56	40056	<p>In photorespiration, gicolate and glyoxylate are produced sequentially in the following organelles.</p> <ol style="list-style-type: none"> <li>1. Chloroplasts and Mitochondria</li> <li>2. Chloroplasts and Peroxisome</li> <li>3. Peroxisome and Mitochondria</li> <li>4. Peroxisome and Chloroplast</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

57	40057	<p>A double stranded DNA has 30% Thymine. The percentage of cytosine is</p> <ol style="list-style-type: none"> <li>1. 30%</li> <li>2. 70%</li> <li>3. 20%</li> <li>4. 15%</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

58	40058	<p>One of Mendel's pure strains of pea plants had green peas. How many different types of progeny could such a plant produce with regard to pea colour?</p> <ol style="list-style-type: none"> <li>1. One</li> <li>2. Two</li> <li>3. Three</li> <li>4. Four</li> </ol>	4.0	1.00
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		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

59	40059	<p>The Muller's organ in insects is associated with</p> <ol style="list-style-type: none"> <li>1. Olfaction</li> <li>2. Chemoreception</li> <li>3. Hearing</li> <li>4. Respiration</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

60	40060	<p>An outer limiting membrane and a central pool of mitochondrial components in the spermatid is known as</p> <ol style="list-style-type: none"> <li>1. Nebenkern</li> <li>2. Acrosome</li> <li>3. Lattice</li> <li>4. Filament</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

61	40061	<p>Parasitoid, <i>Allotropa phenacocca</i> (Hymenoptera) on cotton mealybug, <i>Phenacoccus solenopsis</i> is</p> <ol style="list-style-type: none"> <li>1. Primary parasitoid</li> <li>2. Hyperparasitoid</li> <li>3. Gregarious parasitoid</li> <li>4. Adelpho parasitoid</li> </ol>	4.0	1.00
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		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

62	40062	<p>Among the entomopathogenic bio-agents which contribute the most in biopesticide market share in India ?</p> <ol style="list-style-type: none"> <li>1. Bacteria</li> <li>2. Fungi</li> <li>3. Protozoa</li> <li>4. Virus</li> </ol>	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

63	40063	<p>The Japan has lifted its two decade old ban in 2006 on the import of Indian mangoes on the condition that the fruits are subjected to</p> <ol style="list-style-type: none"> <li>1. Hot water treatment</li> <li>2. Irradiation</li> <li>3. Vapour heat treatment</li> <li>4. Fumigation</li> </ol>	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		



Objective Question

64	40064		4.0	1.00
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Given below are two statements:

Statement (I): *Bacillus thuringiensis* is effective against the mosquito.

Statement (II): *Bacillus sphaericus* is effective against the mosquito.

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

65 40065

4.0 1.00

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

List-I	List-II
(A) Rugose spiralling whitefly	(I) <i>Encarsia noyesi</i>
(B) Spiralling whitefly	(II) <i>Encarsia guadeloupæ</i>
(C) Silverleaf whitefly	(III) <i>Encarsia inaron</i>
(D) Coconut whitefly	(IV) <i>Encarsia sophia</i>

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

1. (A) - (i), (B) - (ii), (C) - (iii), (D) - (iv)
2. (A) - (iii), (B) - (i), (C) - (iv), (D) - (ii)
3. (A) - (ii), (B) - (i), (C) - (iii), (D) - (iv)
4. (A) - (i), (B) - (iii), (C) - (iv), (D) - (ii)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question



66	40066	<p>Given below are two statements:</p> <p>Statement (I): Mosquito blight of tea is caused by <i>Helopeltis antonii</i></p> <p>Statement (II): Mosquito blight of tea is caused by <i>Heliothis zea</i></p> <p>In light of the above statements, choose the <i>most</i> appropriate answer from the options given below.</p> <ol style="list-style-type: none"> <li>Both statements I and statement II are correct</li> <li>Both statements I and statement II are incorrect</li> <li>Statement I is correct and statement II is incorrect</li> <li>Statement I is incorrect and statement II is correct</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

67	40067	<p>Match List-I with List-II</p> <table border="1"> <thead> <tr> <th>List-I</th> <th>List-II</th> </tr> </thead> <tbody> <tr> <td>(A). Cotton mild</td> <td>(I). <i>Creontiades biseratense</i></td> </tr> <tr> <td>(B). Sorghum earhead bug</td> <td>(II). <i>Nezara viridula</i></td> </tr> <tr> <td>(C). Mung bean whitefly</td> <td>(III). <i>Calocoris angustatus</i></td> </tr> <tr> <td>(D). Pentatomid bug</td> <td>(IV). <i>Bemisia tabaci</i></td> </tr> </tbody> </table> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>(A) - (I), (B) - (II), (C) - (III), (D) - (IV)</li> <li>(A) - (I), (B) - (III), (C) - (IV), (D) - (II)</li> <li>(A) - (I), (B) - (II), (C) - (IV), (D) - (III)</li> <li>(A) - (III), (B) - (IV), (C) - (I), (D) - (II)</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	List-I	List-II	(A). Cotton mild	(I). <i>Creontiades biseratense</i>	(B). Sorghum earhead bug	(II). <i>Nezara viridula</i>	(C). Mung bean whitefly	(III). <i>Calocoris angustatus</i>	(D). Pentatomid bug	(IV). <i>Bemisia tabaci</i>	4.0	1.00
List-I	List-II													
(A). Cotton mild	(I). <i>Creontiades biseratense</i>													
(B). Sorghum earhead bug	(II). <i>Nezara viridula</i>													
(C). Mung bean whitefly	(III). <i>Calocoris angustatus</i>													
(D). Pentatomid bug	(IV). <i>Bemisia tabaci</i>													

## Objective Question



68	40068	<p>DIPA was passed by the Government of India in the year</p> <ol style="list-style-type: none"> <li>1. 1946</li> <li>2. 1954</li> <li>3. 1914</li> <li>4. 1910</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

69	40069	<p>Match List-I with List-II</p> <table border="1"> <thead> <tr> <th>List-I</th> <th>List-II</th> </tr> </thead> <tbody> <tr> <td>(A). <i>Acorus</i> spp.</td> <td>(I). Colchicine</td> </tr> <tr> <td>(B). Neophobia</td> <td>(II). Multiple dose poison</td> </tr> <tr> <td>(C). Chemosterilant</td> <td>(III). Sweet flag</td> </tr> <tr> <td>(D). Tomafarin</td> <td>(IV). Single dose poison</td> </tr> </tbody> </table> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. (A) - (I), (B) - (III), (C) - (III), (D) - (IV)</li> <li>2. (A) - (II), (B) - (I), (C) - (III), (D) - (IV)</li> <li>3. (A) - (I), (B) - (III), (C) - (IV), (D) - (III)</li> <li>4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	List-I	List-II	(A). <i>Acorus</i> spp.	(I). Colchicine	(B). Neophobia	(II). Multiple dose poison	(C). Chemosterilant	(III). Sweet flag	(D). Tomafarin	(IV). Single dose poison	4.0	1.00
List-I	List-II													
(A). <i>Acorus</i> spp.	(I). Colchicine													
(B). Neophobia	(II). Multiple dose poison													
(C). Chemosterilant	(III). Sweet flag													
(D). Tomafarin	(IV). Single dose poison													

## Objective Question

70	40070		4.0	1.00
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		<p>What is the family of the Mango mealybug?</p> <ol style="list-style-type: none"> <li>1. Coccidae</li> <li>2. Flatidae</li> <li>3. Pseudococcidae</li> <li>4. Margarodidae</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>		
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Objective Question

71	40071	<p>Cantharidin is extracted from</p> <ol style="list-style-type: none"> <li>1. Buprestid beetle</li> <li>2. Blister Beetle</li> <li>3. Chafer Beetle</li> <li>4. Pulse Beetle</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

72	40072	<p>The apparatus used for the extraction of cysts from soil is</p> <ol style="list-style-type: none"> <li>1. Cobb's sieve</li> <li>2. Fenwick can</li> <li>3. Oostenbrink elutriater</li> <li>4. Baermann's funnel</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

73	40073		4.0	1.00
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Match list I with II

List I	List II
A. Pyriproxifen	I. Sodium Channel Blocker
B. Chlorantranilprole	II. Acetyl cholinesterase inhibitor
C. Indoxacarb	III. JH mimic
D. Propoxur	IV. Calcium channel activator

Choose the correct answer from the options below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4



Objective Question

74 40074

4.0 1.00

Given below are two statements:

Statement (I): Plumose antennae are present in female mosquito

Statement (II): Pilose antennae are present in male mosquito

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

75 40075

4.0 1.00

		<p>FAO guidelines on establishment of pest free areas for fruit flies are dealt under</p> <ol style="list-style-type: none"> <li>1. ISPM #8</li> <li>2. ISPM #16</li> <li>3. ISPM #26</li> <li>4. ISPM #30</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>		
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Objective Question

76	40076	<p>Webbing of leaves, buds and flowers, bores into the pods and feeds on seeds are the damage symptoms of</p> <ol style="list-style-type: none"> <li>1. <i>Helicoverpa armigera</i></li> <li>2. <i>Maruca vitrata</i></li> <li>3. <i>Melanagromyza obtusa</i></li> <li>4. <i>Exelastis atomosa</i></li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

77	40077	<p>Which of the following is Non - ester Pyrethroid?</p> <ol style="list-style-type: none"> <li>1. Etofenpros</li> <li>2. Allethrin</li> <li>3. Cypermethrin</li> <li>4. Deltamethrin</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

78	40078		4.0	1.00
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Match List-I with List-II

List-I	List-II
(A). Pleuron	(i). Trochantin
(B). Tergum	(ii). Eusternum
(C). Sternum	(iii). Postnotum
(D). Legs	(iv). Episternum

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

1. (A) - (i), (B) - (ii), (C) - (iii), (D) - (iv)
2. (A) - (i), (B) - (iii), (C) - (ii), (D) - (iv)
3. (A) - (iv), (B) - (ii), (C) - (i), (D) - (iii)
4. (A) - (iv), (B) - (iii), (C) - (ii), (D) - (i)

A1 : 1

A2 : 2

A3 : 3

A4 : 4



Objective Question

79	40079	<p><i>Pareuchaetus pseudoinsulata</i> is a biocontrol agent of</p> <ol style="list-style-type: none"> <li>1. Prickly pear</li> <li>2. Water fern</li> <li>3. Siam weed</li> <li>4. Crofton weed</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

80	40080		4.0	1.00
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		<p>If the acute dermal median lethal dose (LD<sub>50</sub>) of an insect is 50mg/kg, then</p> <ol style="list-style-type: none"> <li>50 test insects can be killed with 50 mg of toxin</li> <li>One test insect can be killed with 50 mg of the toxin</li> <li>50% of test insect can be killed with 50 mg of the toxin</li> <li>50% of test insect will be killed in 50 minutes by 50 mg of the toxin</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>		
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Objective Question

81	40081	<p>Which of the following is the Orthopteroid-Neopteran insect order?</p> <ol style="list-style-type: none"> <li>Neuroptera</li> <li>Mecoptera</li> <li>Coleoptera</li> <li>Plecoptera</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

82	40082	<p>Aquatic insect family Sisyridae belongs to order</p> <ol style="list-style-type: none"> <li>Neuroptera</li> <li>Hemiptera</li> <li>Plecoptera</li> <li>Strepsiptera</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

83	40083		4.0	1.00
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Given below are two statements:

Statement (I): Butterflies with erratic darting flights belong to family Hesperidae

Statement (II): Larvae with tapering at both ends without dorsal setae

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

84 40084

4.0 1.00

Given below are two statements:

Statement (I): A taxonomic character is a feature which is present in all appropriate specimens at appropriate time

Statement (II): The taxonomic characters should not show wide variation among specimens

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

85 40085

4.0 1.00

Assertion (A): Allopatric species are those species which occupy the same geographical areas

Reason (R): Sympatric species are the ones which normally inhabit the completely different geographical areas

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



A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

86 40086

4.0 1.00

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

Assertion (A) : 'Biological species concept' was introduced by Mayr

Reason (R) : Biological species concept defines species as the group of interbreeding natural populations which are reproductively isolated from other such species

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4



Objective Question

87 40087

4.0 1.00

Match List-I with List-II

List-I	List-II
<b>Locust</b>	<b>Scientific names</b>
(A) Bombay locust	(I). <i>Cyrtocantharis succinata</i>
(B) Brown locust	(II). <i>Chortoicetes terminifera</i>
(C) Australian locust	(III). <i>Locusta pradalina</i>
(D) Rocky mountain locust	(IV). <i>Melanoplus spretus</i>

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

88 40088

4.0 1.00



Match List-I with List-II

List-I	List-II
Family	Character
(A) Tettigoniidae	(I) Trapezoidal forewings
(B) Membracidae	(II) Pronounced rostrum with geniculate antenna
(C) Curculionidae	(III) Pronotum prominent, elevated hood like
(D) Gelechiidae	(IV) Ovipositor longer than body

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4



Objective Question

89	40089	The connecting link between Orthopteroid and Hemipteroid insects is order	4.0	1.00
		<ol style="list-style-type: none"> <li>1. Psocoptera</li> <li>2. Phthiraptera</li> <li>3. Zoraptera</li> <li>4. Mecoptera</li> </ol>		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

90	40090		4.0	1.00
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Identify the correct sequence of chronology of establishment of following organizations.

- (A) Entomological Society of India
- (B) Bombay Natural History Society
- (C) Indian Museum
- (D) Zoological Survey of India

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

91	40091	<p>After hatching, the hatchling of whitefly passes through</p> <ul style="list-style-type: none"> <li>1. 2 nymphal instars</li> <li>2. 3 nymphal instars</li> <li>3. 4 nymphal instars</li> <li>4. 5 nymphal instars</li> </ul> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

92	40092	<p>Most of the non-persistent viruses are transmitted by</p> <ul style="list-style-type: none"> <li>1. Weevils</li> <li>2. Leaf beetles</li> <li>3. Carnon Beetles</li> <li>4. Aphids</li> </ul> <p>A1 : 1</p> <p>A2 : 2</p>	4.0	1.00
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A3 : 3

A4 : 4

Objective Question

93	40093	<p><i>Bemisia fabae</i> is commonly known as</p> <ol style="list-style-type: none"> <li>1. Stable fly</li> <li>2. Warble fly</li> <li>3. Sweet potato whitefly</li> <li>4. Cluster fly</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

94	40094	<p>Given below are two statements:</p> <p>Statement (I): Virus transmission by whitefly is persistent and circulative type</p> <p>Statement (II): Virus transmission by hoppers is circulative and usually propagative type</p> <p>In light of the above statements, choose the most appropriate answer from the options given below.</p> <ol style="list-style-type: none"> <li>1. Both Statement (I) and Statement (II) are true.</li> <li>2. Both Statement (I) and Statement (II) are false.</li> <li>3. Statement (I) is true but Statement (II) is false.</li> <li>4. Statement (I) is false but Statement (II) is true.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

95	40095		4.0	1.00
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Given below are two statements:

Statement (I): Tomato spotted wilt virus is not transmitted by *Thrips tabaci*

Statement (II): Cucumber mosaic virus is transmitted by *Myzus persicae*

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

96	40096	<p>Given below are two statements:</p> <p>Statement (I): Bean yellow mosaic virus is transmitted by <i>Aphis glycines</i>.</p> <p>Statement (II): Chili mosaic virus is transmitted by <i>Aphis craccivora</i>.</p> <p>In light of the above statements, choose the most appropriate answer from the options given below.</p> <ol style="list-style-type: none"> <li>1. Both Statement (I) and Statement (II) are correct.</li> <li>2. Both Statement (I) and Statement (II) are incorrect.</li> <li>3. Statement (I) is correct but Statement (II) is incorrect.</li> <li>4. Statement (I) is incorrect but Statement (II) is correct.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

97	40097		4.0	1.00
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Match List-I with List-II

List-I	List-II
(A). Powdery mildew of mangifera	(I). <i>Erwinia tracheiphila</i>
(B). Bacterial wilt of cucurbits	(II). <i>Oidium mangifera</i>
(C). Bacterial wilt of corn	(III). <i>Erwinia amylovora</i>
(D). Fire blight of pear and apple	(IV). <i>Pantoea stewartii</i>

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4



Objective Question

98 40098

4.0 1.00

Match List-I with List-II

List-I	List-II
(A). Polyviridae	(I). Thrips
(B). Tosspovirus	(II). Whitefly
(C). Badnavirus	(III). Aphids
(D). Begmovirus	(IV). Mealybugs

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

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

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

Objective Question

99	40099	<p>Peanut bud necrosis virus (PBND) is transmitted by</p> <p>(A) <i>Aphis gossypii</i> and <i>Myzus persicae</i></p> <p>(B) <i>Aphis maydis</i> and <i>Toxoptera graminum</i></p> <p>(C) <i>Thrips palmi</i> and <i>Franklinella schultzei</i></p> <p>(D) <i>Planococcoides njalensis</i> and <i>Pentalonia nigronervosa</i></p> <p>Choose the <b>correct</b> answer from the options given below.</p> <p>1. (A) and (B) only.</p> <p>2. (B) and (D) only.</p> <p>3. (C) only.</p> <p>4. (A) and (D) only.</p>	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		



Objective Question

100	40100	<p>The ETL for insect vectors in pest management is</p> <p>(A) 0%</p> <p>(B) 0 to 0.5 %</p> <p>(C) 1.0 to 1.5 %</p> <p>(D) 2.0 to 2.5 %</p> <p>Choose the <b>correct</b> answer from the options given below.</p> <p>1. (A) and (B) only.</p> <p>2. (A) and (C) only.</p> <p>3. (B) and (C) only.</p> <p>4. (C) and (D) only.</p>	4.0	1.00
		A1 : 1		
		A2 : 2		

		A3 : 3		
		A4 : 4		

Objective Question

101	40101	<p>The 3<sup>rd</sup> and 4<sup>th</sup> stage juveniles of root-knot nematodes are</p> <ol style="list-style-type: none"> <li>1. Feeding</li> <li>2. Non-feeding</li> <li>3. Quiescent</li> <li>4. Infective</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

102	40102	<p>The phenomenon of offspring nematodes developing from unfertilized eggs happens in</p> <ol style="list-style-type: none"> <li>1. Amphimixis</li> <li>2. Parthenogenesis</li> <li>3. Hermaphrodites</li> <li>4. Endotokia matricida</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

103	40103	<p>Nematode-resistant germplasm PNR-7 is of</p> <ol style="list-style-type: none"> <li>1. Tomato</li> <li>2. Guava</li> <li>3. Citrus</li> <li>4. Barley</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p>	4.0	1.00
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		A3 : 3		
		A4 : 4		

Objective Question

104	40104	<p><i>Tylenchulus semipenetrans</i> can be managed by using trifoliolate orange as a</p> <p>(A). Root-stock</p> <p>(B). Biofumigant</p> <p>(C). Donor parent in hybrid production</p> <p>(D). Trap crop</p> <p>Choose the correct answer from the options given below:</p> <p>1. (A) and (B) only.</p> <p>2. (B) and (D) only.</p> <p>3. (B) and (C) only.</p> <p>4. (A) and (C) only.</p>	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		



Objective Question

105	40105	<p>Nematodes enter the stage of "lethargus" during</p> <p>1. Quiescence</p> <p>2. Killing and fixing</p> <p>3. Molting</p> <p>4. Desiccation</p>	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

106	40106		4.0	1.00
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The molecular phylogenetic analysis of Phylum Nematoda (De Ley and Blaxter, 2002) reveals the presence of these major sub-classes -

- (A). Chromadorea
- (B). Dorylaimia
- (C). Rhabditia
- (D). Enoplia

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

107	40107	<p>The caudal sensory organ showing sexual dimorphism are associated with</p> <ul style="list-style-type: none"> <li>1. Reproduction</li> <li>2. Excretion</li> <li>3. Secretion</li> <li>4. Movement</li> </ul> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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Objective Question

108	40108	<p>A segment of nematode species differing from the rest of the species in some physiological characteristic such as pathogenicity is called</p> <ul style="list-style-type: none"> <li>1. Biotype</li> <li>2. Pathotype</li> <li>3. Race</li> <li>4. Pathovar</li> </ul>	4.0	1.00
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		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

109	40109	<p>Which of the following fits the classical definition of an entomopathogenic nematode ?</p> <p>(A) <i>Oscheius</i></p> <p>(B) <i>Romanomermis</i></p> <p>(C) <i>Heterorhabditis</i></p> <p>(D) <i>Deladenus</i></p> <p>Choose the <b>correct</b> answer from the options given below.</p> <p>1. (A), (C) and (D) only.</p> <p>2. (B), (C) and (D) only.</p> <p>3. (C) and (D) only.</p> <p>4. (A) and (C) only.</p>	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		



Objective Question

110	40110	<p>A stage-specific behavior in which an EPN U stands on its tail and waves its head in three dimensions is called</p> <p>1. Foraging</p> <p>2. Recovery</p> <p>3. Ambushing</p> <p>4. Nictation</p>	4.0	1.00
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

111	40111		4.0	1.00
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Given below are two statements:

Statement (I): Voltinism in insects is number of generations produced in a year.

Statement (II): *Morus alba* is a perinnial tree in northern 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 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

112 40112

4.0 1.00

Match List-I with List-II

List-I	List-II
(A). Handbook of Agriculture	(I). Academic Press Inc
(B). Elements of Economic Entomology	(II). Brillion Publishing
(C). Theory and Practice of Biological Control	(III). Westville Publishing House
(D). Biological Pest Suppression	(IV). ICAR

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question



113	40113	<p>Match <b>List-I</b> with <b>List-II</b></p> <table border="1"> <thead> <tr> <th>List-I</th> <th>List-II</th> </tr> </thead> <tbody> <tr> <td>(A). Oak tasar silk worm</td> <td>(I). Jharkhand</td> </tr> <tr> <td>(B). Muga silk worm</td> <td>(II). Uttarakhand</td> </tr> <tr> <td>(C). Mulberry silk worm</td> <td>(III). Assam</td> </tr> <tr> <td>(D). Tropical tasar silkworm</td> <td>(IV). Karnataka</td> </tr> </tbody> </table> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>(A) - (i), (B) - (ii), (C) - (iii), (D) - (iv)</li> <li>(A) - (i), (B) - (iii), (C) - (ii), (D) - (iv)</li> <li>(A) - (ii), (B) - (iii), (C) - (iv), (D) - (i)</li> <li>(A) - (iii), (B) - (iv), (C) - (i), (D) - (ii)</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	List-I	List-II	(A). Oak tasar silk worm	(I). Jharkhand	(B). Muga silk worm	(II). Uttarakhand	(C). Mulberry silk worm	(III). Assam	(D). Tropical tasar silkworm	(IV). Karnataka	4.0	1.00
List-I	List-II													
(A). Oak tasar silk worm	(I). Jharkhand													
(B). Muga silk worm	(II). Uttarakhand													
(C). Mulberry silk worm	(III). Assam													
(D). Tropical tasar silkworm	(IV). Karnataka													



## Objective Question

114	40114	<p>Given below are two statements:</p> <p>Statement (I): Tukra disease in mulberry is caused by whitefly</p> <p>Statement (II): Shellac is a resin secreted by female lac insect on host plant</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 Statement (I) and Statement (II) are correct.</li> <li>Both Statement (I) and Statement (II) are incorrect.</li> <li>Statement (I) is correct but Statement (II) is incorrect.</li> <li>Statement (I) is incorrect but Statement (II) is correct.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

115	40115	<p>The size (mm) of a healthy adult <i>Laccifer lacca</i> ranges between</p> <ol style="list-style-type: none"> <li>1. 0.5-1.0</li> <li>2. 0.6-1.5</li> <li>3. 2.0-3.0</li> <li>4. 4.0-5.0</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

116	40116	<p>Life stages of male <i>Laccifer lacca</i> are</p> <p>(A) Egg</p> <p>(B) Larva</p> <p>(C) Pupa</p> <p>(D) Adult</p> <p>Choose the <b>correct</b> answer from the options given below:</p> <ol style="list-style-type: none"> <li>1. (A), (B) and (C) only</li> <li>2. (B), (C) and (D) only</li> <li>3. (A), (C) and (D) only</li> <li>4. A, (B), (C) and (D) only.</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00
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## Objective Question

117	40117	<p>Which of the followings pertain to Classical Biological Control?</p> <ol style="list-style-type: none"> <li>1. ISPM #2</li> <li>2. ISMP #3</li> <li>3. ISPM #4</li> <li>4. ISPM #5</li> </ol> <p>A1 : 1</p> <p>A2 : 2</p>	4.0	1.00
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A3 : 3

A4 : 4

## Objective Question

118 40118

4.0

1.00

Match List-I with List-II

List-I	List-II
(A). <i>Telenomus remus</i>	(I). Fish
(B). <i>Gambusia affinis</i>	(II). Toad
(C). <i>Bufo rana</i>	(III). Bird
(D). <i>Acridotheres tristis</i>	(IV). Parasitoid

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

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

119 40119

4.0

1.00

Which of the following countries is the largest producer of lac?

- China
- India
- Ethiopia
- Bhutan

A1 : 1

A2 : 2

A3 : 3

A4 : 4



Objective Question				
120	40120	<p>Uzifly is a serious pest of</p> <ol style="list-style-type: none"><li>1. Mulberry inflorescence</li><li>2. Silk worm</li><li>3. Horse</li><li>4. Buffalo</li></ol> <p>A1 : 1</p> <p>A2 : 2</p> <p>A3 : 3</p> <p>A4 : 4</p>	4.0	1.00



# Entrance Exams

- Agricultural Entrance Exams
- Architecture Entrance Exam
- Arts and Humanities Entrance Exams
- Commerce Entrance Examinations
- Common Entrance Examinations
- Computer Application Entrance Exams
- Design Entrance Exams
- Education Entrance Exams
- Engineering Entrance Exams
- Hotel Management Entrance Exams
- Law Entrance Exams
- MBA Entrance Exams
- Media & Journalism Entrance Exams
- Medical Entrance Exams
- Nursing Entrance Exams
- Pharmacy Entrance Exams
- Science Entrance Exams
- Diploma & Polytechnic
- Lateral Entry

