

7 Sericulture ICAR SEPT 2022

Topic:- GEN KNOW COMMON PHD

1) Colour of the tag used on certified seed bags is[Question ID = 16958][Question Description = 101_221_GKD_SEP22_Q01]

1. Blue [Option ID = 37829]
2. Purple [Option ID = 37830]
3. White [Option ID = 37831]
4. Golden Yellow [Option ID = 37832]

2) Following are the statements regarding the Usar soil -

- A. It is reclaimed by adding lime.
- B. This soil has pH more than seven.
- C. Paddy crop can be grown in this soil.

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

[Question ID = 16959][Question Description = 102_221_GKD_SEP22_Q02]

1. A and B only [Option ID = 37833]
2. B and C only [Option ID = 37834]
3. C only [Option ID = 37835]
4. A only [Option ID = 37836]

3) When total utility of a commodity increases, marginal utility will be

[Question ID = 16960][Question Description = 103_221_GKD_SEP22_Q03]

1. Negative but increasing
[Option ID = 37837]
2. Positive but decreasing
[Option ID = 37838]
3. Constant
[Option ID = 37839]
4. Either positive or negative
[Option ID = 37840]

4) Where is the headquarter of International Fund for Agriculture Development located?

[Question ID = 16961][Question Description = 104_221_GKD_SEP22_Q04]

1. Vienna, Austria
[Option ID = 37841]
2. Rome, Italy
[Option ID = 37842]
3. New York, USA
[Option ID = 37843]
4. Berlin, Germany
[Option ID = 37844]

5) Mid-Oceanic Ridges are one of the important divisions of the ocean floor. In this respect, point out the incorrect statement regarding the 'Mid-Oceanic Ridges'. [Question ID = 16962][Question Description = 105_221_GKD_SEP22_Q05]

1. It is the largest mountain chain on the surface of the earth [Option ID = 37845]
2. It is a series of interconnected chain within the ocean. [Option ID = 37846]
3. It is characterised by a central rift system [Option ID = 37847]
4. The rift system at the crest is the zone of very low volcanic activity. [Option ID = 37848]

6) Consider the following facts about the union territory of India and point out the one which is incorrect in relation to union territory. [Question ID = 16963][Question Description = 106_221_GKD_SEP22_Q06]

1. These are the areas under the direct control of central government. [Option ID = 37849]
2. Also known as the 'centrally administered territories'. [Option ID = 37850]

3. These territories constitute a conspicuous departure from the unitary feature of India. [Option ID = 37851]
4. There is no uniformity in their administrative systems. [Option ID = 37852]

7) Variety of flora and fauna are found in the different types of forest in India. In this regard, species of trees like teak, *sal shisham*, *sandalwood*, etc. are found in which of the following type of forests in India?[Question ID = 16964][Question Description = 107_221_GKD_SEP22_Q07]

1. Tropical evergreen forests [Option ID = 37853]
2. Tropical thorn forests [Option ID = 37854]
3. Tropical deciduous forests [Option ID = 37855]
4. Montane forests [Option ID = 37856]

8) The Marginal Preference Theory of consumption behaviour was proposed by

[Question ID = 16965][Question Description = 108_221_GKD_SEP22_Q08]

1. Armstrong
[Option ID = 37857]
2. J.K.Hicks
[Option ID = 37858]
3. Neumann
[Option ID = 37859]
4. Edmund Cannon
[Option ID = 37860]

9) Point out the incorrect statements regarding the service sector in India.[Question ID = 16966][Question Description = 109_221_GKD_SEP22_Q09]

1. It is the highest contributor to GDP [Option ID = 37861]
2. It requires skilled labour [Option ID = 37862]
3. It is the fastest growing sector [Option ID = 37863]
4. It is restricted to very few sectors. [Option ID = 37864]

10) Consider the statements regarding the agriculture sector in India and point out the incorrect statement.[Question ID = 16967][Question Description = 110_221_GKD_SEP22_Q10]

1. Agriculture sector is the largest employer of workforce [Option ID = 37865]
2. It has contributed to the Gross Value Added (GVA) [Option ID = 37866]
3. Growth in allied sectors is the major drivers of overall growth in the sector. [Option ID = 37867]
4. Minimum Support Price (MSP) policy is used as to promote crop uniformity. [Option ID = 37868]

11) In case of related goods, the cross elasticity of demand is[Question ID = 16968][Question Description = 111_221_GKD_SEP22_Q11]

1. Low [Option ID = 37869]
2. High [Option ID = 37870]
3. Zero [Option ID = 37871]
4. Unity [Option ID = 37872]

12) With reference to organic farming in India, consider the following statements :

- A. The National Programme for Organic Production' (NPOP) is operated under the guidelines and directions of the Union Ministry of Rural Development.
- B. The Agricultural and Processed Food Products Export Development Authority' (APEDA) functions as the Secretariat for the implementation of NPOP.
- C. Sikkim has become India's first fully organic state.

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

[Question ID = 16969][Question Description = 112_221_GKD_SEP22_Q12]

1. A and B only
[Option ID = 37873]
2. B and C only
[Option ID = 37874]
3. C only
[Option ID = 37875]
4. A, B and C

[Option ID = 37876]

13) With reference to the circumstances in Indian agriculture, the concept of "Conservation Agriculture" assumes significance. Which of the following falls under the Conservation Agriculture ?

- A. Avoiding the monoculture practices.
- B. Adopting minimum tillage.
- C. Avoiding the cultivation of plantation crops.
- D. Using crop residues to cover soil surface.
- E. Adopting spatial and temporal crop sequencing/ crop rotations.

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

[Question ID = 16970][Question Description = 113_221_GKD_SEP22_Q13]

- 1. A, C and D only [Option ID = 37877]
- 2. B, C, D and E only [Option ID = 37878]
- 3. B, D and E only [Option ID = 37879]
- 4. A, B, C and E only [Option ID = 37880]

14) Consumers are likely to get a variety of goods in which kind of market competition[Question ID = 16971][Question Description = 114_221_GKD_SEP22_Q14]

- 1. Monopoly [Option ID = 37881]
- 2. Duopoly [Option ID = 37882]
- 3. Oligopoly [Option ID = 37883]
- 4. Monopolistic [Option ID = 37884]

15) What is the correct chronological order of the following laws enacted for the conservation and protection of environment ?

- A. Environment (Protection) Act.
- B. Water (Prevention & Control of Pollution) Act.
- C. Air (Prevention & Control of pollution) Act.
- D. National Green Tribunal Act.

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

[Question ID = 16972][Question Description = 115_221_GKD_SEP22_Q15]

- 1. B, C, A, D [Option ID = 37885]
- 2. A, B, C, D [Option ID = 37886]
- 3. C, B, A, D [Option ID = 37887]
- 4. D, C, B, A [Option ID = 37888]

16) The scientific study of soil is[Question ID = 16973][Question Description = 116_221_GKD_SEP22_Q16]

- 1. Earth Study [Option ID = 37889]
- 2. Soil Science [Option ID = 37890]
- 3. Pedology [Option ID = 37891]
- 4. Soil Chemistry [Option ID = 37892]

17) *Triticum aestivum*, the common bread wheat is -

[Question ID = 16974][Question Description = 117_221_GKD_SEP22_Q17]

- 1. Tetraploid

[Option ID = 37893]

- 2. Hexaploid

[Option ID = 37894]

- 3. Haploid

[Option ID = 37895]

- 4. Diploid

[Option ID = 37896]

18) Sectoral inflation refers to[Question ID = 16975][Question Description = 118_221_GKD_SEP22_Q18]

- 1. Running inflation [Option ID = 37897]

2. Comprehensive inflation [Option ID = 37898]
3. Sporadic inflation [Option ID = 37899]
4. Creeping inflation [Option ID = 37900]

19) Keynes Liquidity trap refers to[Question ID = 16976][Question Description = 119_221_GKD_SEP22_Q19]

1. Speculative demand for money [Option ID = 37901]
2. Transactions motive of money is inelastic [Option ID = 37902]
3. Precautionary motive of money is inelastic [Option ID = 37903]
4. Transactions motive of money is constant [Option ID = 37904]

20) A business is solvent if[Question ID = 16977][Question Description = 120_221_GKD_SEP22_Q20]

1. Total receipts exceed total expenditures [Option ID = 37905]
2. Total debt exceeds total equity [Option ID = 37906]
3. Total sales exceed total cash expense [Option ID = 37907]
4. Total assets exceed total liabilities [Option ID = 37908]

Topic:- Crop Sc 2_PHD

1) Given below are two statements

Statement I : Effector proteins are recognized by Pattern Recognition Receptors of host

Statement II : Effector proteins in bacteria are secreted through Type III secretion system

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

[Question ID = 2601][Question Description = 101_110_BCS_SEP22_Q01]

1. Both statements I and statement II are correct [Option ID = 10401]
2. Both statements I and statement II are incorrect [Option ID = 10402]
3. Statement I is correct and statement II is incorrect [Option ID = 10403]
4. Statement I is incorrect and statement II is correct [Option ID = 10404]

2) Match list I with list II

List I	List II
A. <i>Micrococcus amylovora</i>	I. Anton De Bary
B. <i>Phytophthora infestans</i>	II. M. W. Beijerinck
C. <i>Contagium vivum fluidum</i>	III. T.O. Diener
D. Viroid	IV. T. J. Burill

Choose the correct answer from the options below:

[Question ID = 2602][Question Description = 102_110_BCS_SEP22_Q02]

1. A - IV, B - I, C - II, D - III [Option ID = 10405]
2. A - III, B - I, C - IV, D - II [Option ID = 10406]
3. A - II, B - I, C - IV, D - III [Option ID = 10407]
4. A - I, B - II, C - IV, D - III [Option ID = 10408]

3) Given below are two statements

Statement I : Many fungal pathogens produce toxins.

Statement II : Toxin does not act directly on protoplast components of the host.

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

[Question ID = 2603][Question Description = 103_110_BCS_SEP22_Q03]

1. Both statements I and statement II are correct [Option ID = 10409]
2. Both statements I and statement II are incorrect [Option ID = 10410]
3. Statement I is correct and statement II is incorrect [Option ID = 10411]
4. Statement I is incorrect and statement II is correct [Option ID = 10412]

4) Which pathogen is able to produce indole acetic acid to cause clubroot disease in cabbage?

[Question ID = 2604][Question Description = 104_110_BCS_SEP22_Q04]

1. *Alternaria brassicae* [Option ID = 10413]
2. *Peronospora parasitica* [Option ID = 10414]
3. *Plasmiodiophora brassicae* [Option ID = 10415]

4. *Albugo candida* [Option ID = 10416]

5) Which of the microbes are used as bioagents to control plant diseases?

- A. *Trichoderma harzianum*
- B. *Pseudomonas putida*
- C. *Talaromyces flavus*
- D. *Pantoea stewartii*

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

[Question ID = 2605][Question Description = 105_110_BCS_SEP22_Q05]

- 1. A and B only [Option ID = 10417]
- 2. A, B and C only [Option ID = 10418]
- 3. A, C and D only [Option ID = 10419]
- 4. C and D only [Option ID = 10420]

6) Which genus of the virus has a single-stranded positive RNA and rod-shaped particles?

[Question ID = 2606][Question Description = 106_110_BCS_SEP22_Q06]

- 1. *Tobamovirus* [Option ID = 10421]
- 2. *Comovirus* [Option ID = 10422]
- 3. *Caulimovirus* [Option ID = 10423]
- 4. *Tospovirus* [Option ID = 10424]

7) Given below are two statements

Statement I : Satellite viruses do not cause infection to the plant, in absence of helper viruses.

Statement II. Satellite viruses act like parasites of the associated helper virus.

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

[Question ID = 2607][Question Description = 107_110_BCS_SEP22_Q07]

- 1. Both statements I and statement II are correct [Option ID = 10425]
- 2. Both statements I and statement II are incorrect [Option ID = 10426]
- 3. Statement I is correct and statement II is incorrect [Option ID = 10427]
- 4. Statement I is incorrect and statement II is correct [Option ID = 10428]

8) Match list I with list II

List I	List II
A. <i>Erwinia trachiefila</i>	I. <i>Xiphinema americanum</i>
B. Tomato ringspot virus	II. <i>Polymixa graminis</i>
C. Barley yellow dwarf virus	III. <i>Acalymma vittata</i>
D. Cucumber mosaic virus	IV. <i>Aphis gossypi</i>

Choose the correct answer from the options below:

[Question ID = 2608][Question Description = 108_110_BCS_SEP22_Q08]

- 1. A - IV, B - I, C - II, D - III
[Option ID = 10429]
- 2. A - III, B - I, C - II, D - IV
[Option ID = 10430]
- 3. A - II, B - III, C - IV, D - I
[Option ID = 10431]
- 4. A - I, B - II, C - IV, D - III
[Option ID = 10432]

9) In which crop, PRO- PLANT expert system has been developed for the management of diseases and insects?

- A. Tomato
- B. Potato

C. Mango

D. Sugar beet

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

[Question ID = 2609][Question Description = 109_110_BCS_SEP22_Q09]

1. A and B only [Option ID = 10433]
2. A, B and C only [Option ID = 10434]
3. A, C and D only [Option ID = 10435]
4. B and D only [Option ID = 10436]

10) Given below are two statements

Statement I : Biotroph can live and multiply only on another living organism.

Statement II : Plant diseases caused by a biotrophic pathogen cause necrosis.

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

[Question ID = 2610][Question Description = 110_110_BCS_SEP22_Q10]

1. Both statements I and statement II are correct
[Option ID = 10437]
2. Both statements I and statement II are incorrect
[Option ID = 10438]
3. Statement I is correct and statement II is incorrect
[Option ID = 10439]
4. Statement I is incorrect and statement II is correct
[Option ID = 10440]

11) Which disease is under the category of monocyclic?

- A. Wilt
- B. Blight
- C. Loose smut
- D. Rust

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

[Question ID = 2611][Question Description = 111_110_BCS_SEP22_Q11]

1. A and B only [Option ID = 10441]
2. A and C only [Option ID = 10442]
3. A, C and D only [Option ID = 10443]
4. B and D only [Option ID = 10444]

12) Which is not a component of a master mixture of PCR reaction?

[Question ID = 2612][Question Description = 112_110_BCS_SEP22_Q12]

1. Buffer [Option ID = 10445]
2. Sodium chloride [Option ID = 10446]
3. Taq polymerase [Option ID = 10447]
4. Magnesium chloride [Option ID = 10448]

13) Match list I with list II

List I	List II
A. Dichlone	I. Acylalanines
B. Metalaxyl	II. Morpholines
C. Tridemorph	III. Cyclohexamide
D. Actidione	IV. Quinone

Choose the correct answer from the options below:

[Question ID = 2613][Question Description = 113_110_BCS_SEP22_Q13]

1. A - IV, B - I, C - II, D - III [Option ID = 10449]

2. A - III, B - IV, C - I, D - II [Option ID = 10450]
3. A - III, B - IV, C - II, D - I [Option ID = 10451]
4. A - II, B - IV, C - I, D - IV [Option ID = 10452]

14) Which are the selective toxins produced by fungal pathogens?

- A. PM- toxin
- B. Marticin
- C. Tentoxin
- D. Victorin

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

[Question ID = 2614][Question Description = 114_110_BCS_SEP22_Q14]

1. A and B only [Option ID = 10453]
2. A, B and C only [Option ID = 10454]
3. A and D only [Option ID = 10455]
4. C and D only [Option ID = 10456]

15) What is the source of "Clandosan 618" a natural nematicide?[Question ID = 2615][Question Description = 115_110_BCS_SEP22_Q15]

1. Sesame freshly harvested seeds [Option ID = 10457]
2. Neem leaf water extract [Option ID = 10458]
3. Crabs and shrimp shells [Option ID = 10459]
4. Semi-decomposed wood biomass [Option ID = 10460]

16) In which year first report on *Heterodera avenae* was made in India?[Question ID = 2616][Question Description = 116_110_BCS_SEP22_Q16]

1. 1955 [Option ID = 10461]
2. 1958 [Option ID = 10462]
3. 1961 [Option ID = 10463]
4. 1962 [Option ID = 10464]

17) Which of the following nematodes, lack median bulb of oesophagus?

[Question ID = 2617][Question Description = 117_110_BCS_SEP22_Q17]

1. *Anguina* [Option ID = 10465]
2. *Subanguina* [Option ID = 10466]
3. *Nothanguina* [Option ID = 10467]
4. *Ditylenchus* [Option ID = 10468]

18) Given below are two statements

Statement I: 3rd and 4th stage juveniles of root-knot nematodes are non-feeding

Statement II: Only mature female of root-knot nematode is the feeding stage

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

[Question ID = 2618][Question Description = 118_110_BCS_SEP22_Q18]

1. Both Statement I and Statement II are true [Option ID = 10469]
2. Both Statement I and Statement II are false [Option ID = 10470]
3. Statement I is true but Statement II is false [Option ID = 10471]
4. Statement I is false but Statement II is true [Option ID = 10472]

19) Given below are two statements

Statement I: Bursal rays are present in *Aphelenchus avenae*

Statement II: Bursal rays are absent in *Aphelenchus avenae*

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

[Question ID = 2619][Question Description = 119_110_BCS_SEP22_Q19]

1. Both Statement I and Statement II are true [Option ID = 10473]
2. Both Statement I and Statement II are false [Option ID = 10474]
3. Statement I is true but Statement II is false [Option ID = 10475]
4. Statement I is false but Statement II is true [Option ID = 10476]

20) Match List I with List II

List I	List II
A. <i>Meloidogyne</i>	I. Potato
B. <i>Globodera</i>	II. Ring nematode
C. <i>Nacobbus</i>	III. Giant cells
D. <i>Criconeema</i>	IV. False root-knot nematode

Choose the correct answer from the options given below:

[Question ID = 2620][Question Description = 120_110_BCS_SEP22_Q20]

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

[Option ID = 10477]

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

[Option ID = 10478]

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

[Option ID = 10479]

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

[Option ID = 10480]

21) Match List I with List II

List I	List II
A. <i>Heterodera glycines</i>	I. Dry rot
B. <i>Ditylenchus angustus</i>	II. Yellow dwarf
C. <i>Bursaphelenchus xylophilus</i>	III. Pine wilt
D. <i>Scutellonema bradys</i>	IV. Ufra

Choose the correct answer from the options given below:

[Question ID = 2621][Question Description = 121_110_BCS_SEP22_Q21]

1. A-IV, B-III, C-I, D-II [Option ID = 10481]

2. A-I, B-IV, C-III, D-II [Option ID = 10482]

3. A-III, B-II, C-IV, D-I [Option ID = 10483]

4. A-II, B-IV, C-III, D-I [Option ID = 10484]

22) How long the second stage juvenile (J2) of *Anguina tritici* can survive in wheat galls?

[Question ID = 2622][Question Description = 122_110_BCS_SEP22_Q22]

1. 25 years

[Option ID = 10485]

2. 22 years

[Option ID = 10486]

3. 32 years

[Option ID = 10487]

4. 15 years

[Option ID = 10488]

23) Given below are two statements

Statement I: In *Pratylenchus* oesophageal glands overlap intestine ventrally

Statement II: In *Pratylenchus* oesophageal glands overlap intestine dorsally

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

[Question ID = 2623][Question Description = 123_110_BCS_SEP22_Q23]

1. Both Statement I and Statement II are true [Option ID = 10489]

2. Both Statement I and Statement II are false [Option ID = 10490]

3. Statement I is true but Statement II is false [Option ID = 10491]

4. Statement I is false but Statement II is true [Option ID = 10492]

24) Given below are two statements

Statement I: "Fenwick can" is used to extract large sized nematodes from soil

Statement II: "Fenwick can" is used to extract nematode eggs from soil

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

[Question ID = 2624][Question Description = 124_110_BCS_SEP22_Q24]

1. Both Statement I and Statement II are true [Option ID = 10493]
2. Both Statement I and Statement II are false [Option ID = 10494]
3. Statement I is true but Statement II is false [Option ID = 10495]
4. Statement I is false but Statement II is true [Option ID = 10496]

25) Which of the following nematodes lack 'bursa'?

[Question ID = 2625][Question Description = 125_110_BCS_SEP22_Q25]

1. *Atylenchus* [Option ID = 10497]
2. *Tylenchus* [Option ID = 10498]
3. *Basiria* [Option ID = 10499]
4. *Malenchus* [Option ID = 10500]

26) Given below are two statements

Statement I: The term Gamergate is referred to the unmated workers of Ponerinae

Statement II: The term Gamergate is referred to the mated workers of Formicinae

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

[Question ID = 2626][Question Description = 126_110_BCS_SEP22_Q26]

1. Both Statement I and Statement II are correct [Option ID = 10501]
2. Both Statement I and Statement II are incorrect [Option ID = 10502]
3. Statement I is correct but Statement II is incorrect [Option ID = 10503]
4. Statement I is incorrect but Statement II is correct [Option ID = 10504]

27) The mass production of EPN's is widely undertaken on the larvae of:

A. *Ephestia*

B. *Corcyra*

C. *Galleria*

D. *Phthorimoea*

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

[Question ID = 2627][Question Description = 127_110_BCS_SEP22_Q27]

1. A and B only [Option ID = 10505]
2. B and D only [Option ID = 10506]
3. A and D only [Option ID = 10507]
4. C only [Option ID = 10508]

28) 28. Given below are two statements

Statement I: Indian Myna was shipped to Mauritius way back in 1762 from India, for the control of red locust

Statement II: Young baby of a house sparrow is fed by the great father sparrow

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

[Question ID = 2628][Question Description = 128_110_BCS_SEP22_Q28]

1. Both Statement I and Statement II are correct
[Option ID = 10509]
2. Both Statement I and Statement II are incorrect
[Option ID = 10510]
3. Statement I is correct but Statement II is incorrect
[Option ID = 10511]
4. Statement I is incorrect but Statement II is correct
[Option ID = 10512]

29) Given below are two statements

Statement I: The interval between the moulting at larval stage in insects is known as instar

Statement II: The skins casted by the insect larva are known as exuviae

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

[Question ID = 2629][Question Description = 129_110_BCS_SEP22_Q29]

- Both Statement I and Statement II are correct
[Option ID = 10513]
- Both Statement I and Statement II are incorrect
[Option ID = 10514]
- Statement I is correct but Statement II is incorrect
[Option ID = 10515]
- Statement I is incorrect but Statement II is correct
[Option ID = 10516]

30) Match List I with List II

List I	List II
A. Antixenosis	I. Utilization of non-vital parts
B. Antibiosis	II. Natural enemies
C. Tolerance	III. Adverse effect on progeny
D. Extrinsic resistance	IV. Reduced colonization

Choose the correct answer from the options given below:

[Question ID = 2630][Question Description = 130_110_BCS_SEP22_Q30]

- A-I, B-II, C-III, D-IV [Option ID = 10517]
- A-II, B-III, C-IV, D-I [Option ID = 10518]
- A-IV, B-III, C-I, D-II [Option ID = 10519]
- A-I, B-II, C-IV, D-III [Option ID = 10520]

31) Match List I with List II

List I	List II
A. Para-pheromone	I. Elicit dispersal away from crowded food sources
B. Pro-pheromone	II. Helps to prevent wrong mating
C. Anti-pheromone	III. Not found in insects (external source pheromone)
D. Spacing pheromone	IV. Photolabile adduct to protect pheromone

Choose the correct answer from the options given below:

[Question ID = 2631][Question Description = 131_110_BCS_SEP22_Q31]

- A-I, B-II, C-III, D-IV [Option ID = 10521]
- A-II, B-III, C-IV, D-I [Option ID = 10522]
- A-II, B-I, C-III, D-IV [Option ID = 10523]
- A-III, B-IV, C-II, D-I [Option ID = 10524]

32) The flies associated in corpse, useful in criminal investigation are:

[Question ID = 2632][Question Description = 132_110_BCS_SEP22_Q32]

- Fruit flies
[Option ID = 10525]
- Blow flies
[Option ID = 10526]
- Robber flies
[Option ID = 10527]
- Hover flies
[Option ID = 10528]

33) Many of the necklace ornamentations are derived from which group of insects?

[Question ID = 2633][Question Description = 133_110_BCS_SEP22_Q33]

- Springtails [Option ID = 10529]
- Bristletails [Option ID = 10530]
- Beetles [Option ID = 10531]
- Lacewings [Option ID = 10532]

34) Given below are two statements

Statement I: Eggs of *Chilo partellus* are laid in patches on the maize plants

Statement II: Eggs of *Sesamia inferens* are parasitized by Trichogrammatids

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

[Question ID = 2634][Question Description = 134_110_BCS_SEP22_Q34]

1. Both Statement I and Statement II are correct

[Option ID = 10533]

2. Both Statement I and Statement II are incorrect

[Option ID = 10534]

3. Statement I is correct but Statement II is incorrect

[Option ID = 10535]

4. Statement I is incorrect but Statement II is correct

[Option ID = 10536]

35) Match List I with List II

List I	List II
A. Shoot borer larva	I. with dark brown head and 5 dark violet strikes
B. Internode borer larva	II. smooth white or cream coloured with a red coloured mid-dorsal line
C. Top borer larva	III. yellowish brown with brown head
D. Maize borer larva	IV. with light brown head and 4 violet or pink stripes

Choose the correct answer from the options given below:

[Question ID = 2635][Question Description = 135_110_BCS_SEP22_Q35]

1. A-I, B-IV, C-II, D-III [Option ID = 10537]

2. A-II, B-III, C-IV, D-I [Option ID = 10538]

3. A-II, B-I, C-III, D-IV [Option ID = 10539]

4. A-I, B-II, C-IV, D-III [Option ID = 10540]

36) Match List I with List II

List I	List II
A. Brown soft scale	I. <i>Parasaissetia nigra</i>
B. Black scales	II. <i>Ceroplastes</i> spp.
C. Yellow white scale	III. <i>Saissetia coffeae</i>
D. Chocolate nymphs, adult females with white mealy substance	IV. <i>Nipaecoccus viridis</i>

Choose the correct answer from the options given below:

[Question ID = 2636][Question Description = 136_110_BCS_SEP22_Q36]

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

[Option ID = 10541]

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

[Option ID = 10542]

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

[Option ID = 10543]

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

[Option ID = 10544]

37) The wooly aphid, *Erisoma lanigerum* cause damage to apple trees like

A. death of young plants

B. galls on the roots

C. curling and yellowing of the tender shoots

D. cause white wooly patches on apple trunk

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

[Question ID = 2637][Question Description = 137_110_BCS_SEP22_Q37]

1. A, B and C only [Option ID = 10545]

2. A, B and D only [Option ID = 10546]

3. A, C and D only [Option ID = 10547]

4. B, C and D only [Option ID = 10548]

38) Match List I with List II

List I	List II
A. <i>Brevicoryne brassicae</i>	I. adults dark yellowish green and pear shaped
B. <i>Myzus persicae</i>	II. adults yellowish green to dark green on posterior side
C. <i>Aphis gossypii</i>	III. adults yellowish green with waxy filaments over the body
D. <i>Lipaphis erysimi</i>	IV. adults body egg shaped, posterior part rounded, dark patchy abdomen

Choose the correct answer from the options given below:

[Question ID = 2638][Question Description = 138_110_BCS_SEP22_Q38]

1. A-I, B-IV, C-II, D-III [Option ID = 10549]
2. A-II, B-III, C-IV, D-I [Option ID = 10550]
3. A-II, B-I, C-III, D-IV [Option ID = 10551]
4. A-III, B-IV, C-II, D-I [Option ID = 10552]

39) Given below are two statements

Statement I: "V-notching" of cotton leaf margin is due to feeding of white grub adults

Statement II: Eggs of *Sesamia inferens* are laid singly and not in patches on the substratum

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

[Question ID = 2639][Question Description = 139_110_BCS_SEP22_Q39]

1. Both Statement I and Statement II are correct
[Option ID = 10553]
2. Both Statement I and Statement II are incorrect
[Option ID = 10554]
3. Statement I is correct but Statement II is incorrect
[Option ID = 10555]
4. Statement I is incorrect but Statement II is correct
[Option ID = 10556]

40) The lady bird beetle that predominantly feeds on *Odium* spp is:

[Question ID = 2640][Question Description = 140_110_BCS_SEP22_Q40]

1. *Henosepilachna vigintioctopunctata*
[Option ID = 10557]
2. *Propylea dissecta*
[Option ID = 10558]
3. *Illeis cincta*
[Option ID = 10559]
4. *Adonia variegata*
[Option ID = 10560]

41) Given below are two statements

Statement I: CSRTI, Mysuru deals with various silkworm races of *Bombyx mori*

Statement II: CSRTI, Pampore deals with Bivoltine silkworm races of *Bombyx mori*

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

[Question ID = 2641][Question Description = 141_110_BCS_SEP22_Q41]

1. Both Statement I and Statement II are correct [Option ID = 10561]
2. Both Statement I and Statement II are incorrect [Option ID = 10562]
3. Statement I is correct but Statement II is incorrect [Option ID = 10563]
4. Statement I is incorrect but Statement II is correct [Option ID = 10564]

42) Given below are two statements

Statement I: Female larva of mulberry silk worm is identified by the presence of Ishiwata's glands

Statement II: *Bombyx mori* attains diapause at egg stage

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

[Question ID = 2642][Question Description = 142_110_BCS_SEP22_Q42]

- Both Statement I and Statement II are correct
[Option ID = 10565]
- Both Statement I and Statement II are incorrect
[Option ID = 10566]
- Statement I is correct but Statement II is incorrect
[Option ID = 10567]
- Statement I is incorrect but Statement II is correct
[Option ID = 10568]

43) Given below are two statements

Statement I: The term “Queen of Textiles” is referred to the superior quality & fineness of silkworm filaments

Statement II: “Queen of Textiles” is referred to the superior quality & fineness of artificial silk thread and fabric

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

[Question ID = 2643][Question Description = 143_110_BCS_SEP22_Q43]

- Both Statement I and Statement II are correct
[Option ID = 10569]
- Both Statement I and Statement II are incorrect
[Option ID = 10570]
- Statement I is correct but Statement II is incorrect
[Option ID = 10571]
- Statement I is incorrect but Statement II is correct
[Option ID = 10572]

44) Match List I with List II

List I	List II
A. CTRTI	I. Tamil Nadu
B. CMERTI	II. Jharkhand
C. CSRTI	III. Assam
D. CSGRC	IV. Karnataka

Choose the correct answer from the options given below:

[Question ID = 2644][Question Description = 144_110_BCS_SEP22_Q44]

- A-I, B-II, C-III, D-IV
[Option ID = 10573]
- A-II, B-I, C-IV, D-III
[Option ID = 10574]
- A-II, B-III, C-IV, D-I
[Option ID = 10575]
- A-I, B-II, C-IV, D-III
[Option ID = 10576]

45) Match List I with List II

List I	List II
A. Muga silk worm	I. Sal
B. Tasar silk worm	II. Castor
C. Chinese tasar silk worm	III. Som
D. Eri silk worm	IV. Oak

Choose the correct answer from the options given below:

[Question ID = 2645][Question Description = 145_110_BCS_SEP22_Q45]

- A-I, B-II, C-III, D-IV [Option ID = 10577]
- A-II, B-IV, C-I, D-III [Option ID = 10578]
- A-III, B-I, C-IV, D-II [Option ID = 10579]
- A-II, B-I, C-III, D-IV [Option ID = 10580]

46) Pebrine infected larvae of muga silk worm are due to:

[Question ID = 2646][Question Description = 146_110_BCS_SEP22_Q46]

1. Bacteria
[Option ID = 10581]
2. Virus
[Option ID = 10582]
3. Protozoa
[Option ID = 10583]
4. Fungi
[Option ID = 10584]

47) Match List I with List II

List I	List II
A. Calcified cocoon	I. Uzi fly, a parasitoid of silk worm larvae
B. Tachinid	II. Rough silk enveloping a silkworm's cocoon
C. Dinear	III. Fungus
D. Floss	IV. Thickness of the filament

Choose the correct answer from the options given below:

[Question ID = 2647][Question Description = 147_110_BCS_SEP22_Q47]

1. A-I, B-II, C-III, D-IV [Option ID = 10585]
2. A-II, B-IV, C-I, D-III [Option ID = 10586]
3. A-II, B-I, C-III, D-IV [Option ID = 10587]
4. A-III, B-I, C-IV, D-II [Option ID = 10588]

48) The oval shaped cocoon of silk worm is a characteristic feature of

[Question ID = 2648][Question Description = 148_110_BCS_SEP22_Q48]

1. Japanese breeds [Option ID = 10589]
2. European breeds [Option ID = 10590]
3. Indian breeds [Option ID = 10591]
4. Chinese breeds [Option ID = 10592]

49) Juvenile hormone is secreted by

[Question ID = 2649][Question Description = 149_110_BCS_SEP22_Q49]

1. Sub oesophageal ganglion [Option ID = 10593]
2. Corpora allata [Option ID = 10594]
3. Corpora cardiaca [Option ID = 10595]
4. Neurosecretory cells [Option ID = 10596]

50) Commercially exploited mulberry varieties in India belongs to

[Question ID = 2650][Question Description = 150_110_BCS_SEP22_Q50]

1. *Morus indica* [Option ID = 10597]
2. *Morus serrata* [Option ID = 10598]
3. *Morus alba* [Option ID = 10599]
4. *Morus lavigata* [Option ID = 10600]

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1) Given below are two statements

Statement I: Tropical Tasar silkworm, *Antheraea mylitta* pupate in the moist soil

Statement I: Daba, Laria, Modia and Sarihan are ecoraces of *A. mylitta*

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

[Question ID = 2801][Question Description = 101_109_SER_SEP22_Q01]

1. Both Statement I and Statement II are correct [Option ID = 11201]
2. Both Statement I and Statement II are incorrect [Option ID = 11202]
3. Statement I is correct but Statement II is incorrect [Option ID = 11203]
4. Statement I is incorrect but Statement II is correct [Option ID = 11204]

2) Given below are two statements

Statement I: The bark and wood of plants are neatly cut all around the mulberry tree due to ravages of girdle beetle

Statement II: Girdles are made by the male having strong mandibles and typical antennae

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

[Question ID = 2802][Question Description = 102_109_SER_SEP22_Q02]

1. Both Statement I and Statement II are correct [Option ID = 11205]
2. Both Statement I and Statement II are incorrect [Option ID = 11206]
3. Statement I is correct but Statement II is incorrect [Option ID = 11207]
4. Statement I is incorrect but Statement II is correct [Option ID = 11208]

3) Given below are two statements

Statement I: Silk Mark Organisation of India (SMOI) is a registered society under the Karnataka Society Act

Statement II: SMOI was established in the year 1960

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

[Question ID = 2803][Question Description = 103_109_SER_SEP22_Q03]

1. Both Statement I and Statement II are correct [Option ID = 11209]
2. Both Statement I and Statement II are incorrect [Option ID = 11210]
3. Statement I is correct but Statement II is incorrect [Option ID = 11211]
4. Statement I is incorrect but Statement II is correct [Option ID = 11212]

4) Given below are two statements

Statement I: “dealer” means a person who carries on the business of buying and selling, export or import of silk-worm seed, cocoons, chawkie reared silk-worms and includes an agent of a dealer

Statement II: “Charkha raw silk” means raw silk reeled from silk worm cocoons with the help of any instrument not run by power

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

[Question ID = 2804][Question Description = 104_109_SER_SEP22_Q04]

1. Both Statement I and Statement II are correct [Option ID = 11213]
2. Both Statement I and Statement II are incorrect [Option ID = 11214]
3. Statement I is correct but Statement II is incorrect [Option ID = 11215]
4. Statement I is incorrect but Statement II is correct [Option ID = 11216]

5) Given below are two statements

Statement I: Mulberry, *Morus alba*, is a dioecious plant

Statement II: Propagation of mulberry is mainly through stem cuttings

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

[Question ID = 2805][Question Description = 105_109_SER_SEP22_Q05]

1. Both Statement I and Statement II are correct [Option ID = 11217]
2. Both Statement I and Statement II are incorrect [Option ID = 11218]
3. Statement I is correct but Statement II is incorrect [Option ID = 11219]
4. Statement I is incorrect but Statement II is correct [Option ID = 11220]

6) Given below are two statements

Statement I: National Silkworm Seed Organization (NSSO) is the largest and most-wide spread institution under the Ministry of Textiles, Govt. of India

Statement II: The headquarter of NSSO is situated in the Central Silk Board Complex, Bengaluru

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

[Question ID = 2806][Question Description = 106_109_SER_SEP22_Q06]

1. Both Statement I and Statement II are correct [Option ID = 11221]
2. Both Statement I and Statement II are incorrect [Option ID = 11222]
3. Statement I is correct but Statement II is incorrect [Option ID = 11223]
4. Statement I is incorrect but Statement II is correct [Option ID = 11224]

7) Match List I with List II

List I	List II
A. Mulberry silk	I. Yellowish-golden tint
B. Tasar silk	II. Woolly white
C. Muga silk	III. Pure white
D. Eri silk	IV. Copperish

Choose the correct answer from the options given below:

[Question ID = 2807][Question Description = 107_109_SER_SEP22_Q07]

1. A-I, B-II, C-III, D-IV [Option ID = 11225]
2. A-II, B-I, C-IV, D-III [Option ID = 11226]
3. A-III, B-IV, C-I, D-II [Option ID = 11227]
4. A-I, B-II, C-IV, D-III [Option ID = 11228]

8) Match List I with List II

List I	List II
A. Silkworm thoracic leg	I. 1
B. Silkworm abdominal leg	II. 2
C. Silkworm anal leg	III. 6
D. Caudal horn	IV. 8

Choose the correct answer from the options given below:

[Question ID = 2808][Question Description = 108_109_SER_SEP22_Q08]

1. A-I, B-II, C-III, D-IV [Option ID = 11229]
2. A-II, B-I, C-IV, D-III [Option ID = 11230]
3. A-II, B-I, C-III, D-IV [Option ID = 11231]
4. A-III, B-IV, C-II, D-I [Option ID = 11232]

9) Match List I with List II

List I	List II
A. Eri silkworm	I. 4237 MT
B. Tasar silk	II. 2619 MT
C. Eri silk	III. Polyvoltine
D. Muga silk worm	IV. Endemic to Assam

Choose the correct answer from the options given below:

[Question ID = 2809][Question Description = 109_109_SER_SEP22_Q09]

1. A-III, B-II, C-I, D-IV [Option ID = 11233]
2. A-II, B-I, C-IV, D-III [Option ID = 11234]
3. A-I, B-II, C-III, D-IV [Option ID = 11235]
4. A-III, B-IV, C-II, D-I [Option ID = 11236]

10) Match List I with List II

List I	List II
A. Neutral soil	I. <5.5 pH
B. Acidic soil	II. >7.5 pH
C. Alkaline	III. 5.6 to 6.5 pH
D. Strongly acidic	IV. 6.5 to 7.5 pH

Choose the correct answer from the options given below:

[Question ID = 2810][Question Description = 110_109_SER_SEP22_Q10]

1. A-IV, B-III, C-II, D-I
[Option ID = 11237]
2. A-III, B-I, C-IV, D-II
[Option ID = 11238]
3. A-II, B-I, C-III, D-IV
[Option ID = 11239]
4. A-II, B-III, C-I, D-IV
[Option ID = 11240]

11) Match List I with List II

List I	List II
A. <i>Bombyx mori</i>	I. $n=15$ to 49
B. <i>Antheraea mylitta</i>	II. $2n=56$
C. <i>Samia cynthia</i>	III. $n=15$
D. <i>Antheraea assamensis</i>	IV. $2n=25$ to 28

Choose the correct answer from the options given below:

[Question ID = 2811][Question Description = 111_109_SER_SEP22_Q11]

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

[Option ID = 11241]

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

[Option ID = 11242]

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

[Option ID = 11243]

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

[Option ID = 11244]

12) Which of the following is most suitable host plant (s) for rearing the Eri silk worm, *Samia ricini*?

A. Polyphagous

B. Kesseru and castor

C. Arjun and asan

D. Som and Sualu

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

[Question ID = 2812][Question Description = 112_109_SER_SEP22_Q12]

1. A and B [Option ID = 11245]

2. A and D [Option ID = 11246]

3. A and C [Option ID = 11247]

4. B and D [Option ID = 11248]

13) Male silk worm moth can easily be distinguished from female based on certain field characters:

A. Smaller body size

B. Head with longer antennae

C. More active

D. Caudal end bears a pair of hook like projections

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

[Question ID = 2813][Question Description = 113_109_SER_SEP22_Q13]

1. A, B and C [Option ID = 11249]

2. A, B and D [Option ID = 11250]

3. B, C and D [Option ID = 11251]

4. A, C and D [Option ID = 11252]

14) What are/is the salient feature of a female *Bombyx mori* larva?

A. Presence of Herold's glands on mid-posterior 8th abdominal segment on dorsal side

B. Presence of Herold's glands on mid-posterior 8th abdominal segment on ventral side

C. Presence of Ishiwata's glands on lateral side of the 8th abdominal segment on ventral side

D. Presence of Ishiwata's glands on lateral side of 9th abdominal segment on the ventral side

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

[Question ID = 2814][Question Description = 114_109_SER_SEP22_Q14]

1. A, B and C [Option ID = 11253]

2. A, C and D [Option ID = 11254]

3. B, C and D [Option ID = 11255]

4. D only [Option ID = 11256]

15) Castor plants are often attacked by:

- A. *Dichocrocis punctiferalis*
- B. *Scirtothrips dorsalis*
- C. *Bactocera dorsalis*
- D. *Spodoptera litura*

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

[Question ID = 2815][Question Description = 115_109_SER_SEP22_Q15]

- 1. A, B and C [Option ID = 11257]
- 2. A, B and D [Option ID = 11258]
- 3. B, C and D [Option ID = 11259]
- 4. C and D only [Option ID = 11260]

16) Mulberry plants are often attacked by:

- A. *Maconellicoccus hirsutus*
- B. *Microtermes* spp.
- C. *Spodoptera litura*
- D. *Oberiopsis* sp.

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

[Question ID = 2816][Question Description = 116_109_SER_SEP22_Q16]

- 1. A, B and C [Option ID = 11261]
- 2. A, B and D [Option ID = 11262]
- 3. B, C and D [Option ID = 11263]
- 4. C and D only [Option ID = 11264]

17) "Hopper burn" in mulberry tree is caused by:[Question ID = 2817][Question Description = 117_109_SER_SEP22_Q17]

- 1. *Empoasca biguttula* [Option ID = 11265]
- 2. *Empoasca flavescens* [Option ID = 11266]
- 3. *Empoasca fabae* [Option ID = 11267]
- 4. *Empoasca kerri* [Option ID = 11268]

18) The "Silk Route" earned its name due to highly valued trade of

[Question ID = 2818][Question Description = 118_109_SER_SEP22_Q18]

- 1. Japanese silk [Option ID = 11269]
- 2. Cordyceps [Option ID = 11270]
- 3. Chinese silk [Option ID = 11271]
- 4. Kashmiri silk [Option ID = 11272]

19) The silkworm caterpillars may be fed on artificial diets for the development of :

[Question ID = 2819][Question Description = 119_109_SER_SEP22_Q19]

- 1. Neonates and 2nd instar [Option ID = 11273]
- 2. 3rd instar [Option ID = 11274]
- 3. 4th instar [Option ID = 11275]
- 4. 5th instar [Option ID = 11276]

20) Woolly bear infesting castor is:

[Question ID = 2820][Question Description = 120_109_SER_SEP22_Q20]

- 1. *Pericallia ricini* [Option ID = 11277]
- 2. *Euproctis fratena* [Option ID = 11278]
- 3. *Orgyia postica* [Option ID = 11279]
- 4. *Parasa lepida* [Option ID = 11280]

21) Tasar filaments show the greatest length among the non- mulberry silks, sometimes up to:

[Question ID = 2821][Question Description = 121_109_SER_SEP22_Q21]

- 1. 150mm [Option ID = 11281]
- 2. 300 mm [Option ID = 11282]

3. 500mm [Option ID = 11283]
4. 700mm [Option ID = 11284]

22) Which of the following is the major producer of oak tasar, *Antheraea proylei* and *A. pernyi* ?[Question ID = 2822]
[Question Description = 122_109_SER_SEP22_Q22]

1. Japan [Option ID = 11285]
2. China [Option ID = 11286]
3. India [Option ID = 11287]
4. Thailand [Option ID = 11288]

23) The process of "Yarn" conversion from cone or cheese to hank is called:

[Question ID = 2823][Question Description = 123_109_SER_SEP22_Q23]

1. Reeling [Option ID = 11289]
2. Threading [Option ID = 11290]
3. Spinning [Option ID = 11291]
4. Swiftling [Option ID = 11292]

24) The term "Black Boxing" in sericulture is used in relation to facilitate total darkness so as to incubate eggs for a period of :

[Question ID = 2824][Question Description = 124_109_SER_SEP22_Q24]

1. 40-49 hrs
[Option ID = 11293]
2. 50-60 hrs
[Option ID = 11294]
3. 61-70 hrs
[Option ID = 11295]
4. 71-80 hrs
[Option ID = 11296]

25) Muga Silkworm Seed Organization (MSSO) is situated at:

[Question ID = 2825][Question Description = 125_109_SER_SEP22_Q25]

1. Imphal [Option ID = 11297]
2. Guwahati [Option ID = 11298]
3. Lahdoigarh [Option ID = 11299]
4. Jorhat [Option ID = 11300]

26) Given below are two statements

Statement I: The Aryan discovered silkworm in sub-Himalayas beyond Kashmir

Statement II: Oak tasar is produced by *Antherea frithii* and *A. proylei*

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

[Question ID = 2826][Question Description = 126_109_SER_SEP22_Q26]

1. Both Statement I and Statement II are correct [Option ID = 11301]
2. Both Statement I and Statement II are incorrect [Option ID = 11302]
3. Statement I is correct but Statement II is incorrect [Option ID = 11303]
4. Statement I is incorrect but Statement II is correct [Option ID = 11304]

27) Given below are two statements

Statement I: *Morus indica* is a deciduous tree mainly grown in temperate and sub-tropical region

Statement II: *Morus alba*, a fast growing tree is popularly known as silkworm mulberry

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

[Question ID = 2827][Question Description = 127_109_SER_SEP22_Q27]

1. Both Statement I and Statement II are correct [Option ID = 11305]
2. Both Statement I and Statement II are incorrect [Option ID = 11306]
3. Statement I is correct but Statement II is incorrect [Option ID = 11307]
4. Statement I is incorrect but Statement II is correct [Option ID = 11308]

28) Given below are two statements

Statement I: Stiffing is a process to toughen the cocoon for the recovery of quality filaments

Statement II: Stiffing is a process to kill the pupa inside the cocoon to avoid filament damage

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

[Question ID = 2828][Question Description = 128_109_SER_SEP22_Q28]

1. Both Statement I and Statement II are correct [Option ID = 11309]
2. Both Statement I and Statement II are incorrect [Option ID = 11310]
3. Statement I is correct but Statement II is incorrect [Option ID = 11311]
4. Statement I is incorrect but Statement II is correct [Option ID = 11312]

29) Given below are two statements

Statement I: Mandibulate type of mouth parts are present in the silk moth

Statement II: Ecdysone is a hormone responsible for moulting in the silk worm larva

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

[Question ID = 2829][Question Description = 129_109_SER_SEP22_Q29]

1. Both Statement I and Statement II are correct [Option ID = 11313]
2. Both Statement I and Statement II are incorrect [Option ID = 11314]
3. Statement I is correct but Statement II is incorrect [Option ID = 11315]
4. Statement I is incorrect but Statement II is correct [Option ID = 11316]

30) Degumming of silk worm strands improves the:

- A. Lusture of silk
- B. Color of silk
- C. Texture of silk
- D. Strength of silk

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

[Question ID = 2830][Question Description = 130_109_SER_SEP22_Q30]

1. A, B and D [Option ID = 11317]
2. A, B and C [Option ID = 11318]
3. A, C and D [Option ID = 11319]
4. B, C and D [Option ID = 11320]

31) The most popular cross breed of *B. mori* used for commercial silkworm rearing is/are:

- A. Multivoltine x Bivoltine
- B. Bivoltine x Bivoltine
- C. Bivoltine x Multivoltine
- D. Multivoltine x Multivoltine

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

[Question ID = 2831][Question Description = 131_109_SER_SEP22_Q31]

1. A and B [Option ID = 11321]
2. A and C [Option ID = 11322]
3. A and D [Option ID = 11323]
4. B only [Option ID = 11324]

32) Sericulture is a labour intensive agro-industry, which involves:

- A. Food plant cultivation and silk worm rearing
- B. Silk reeling and manufacturing of silk-crafts
- C. Silk reeling, twisting and weaving
- D. Commercialization of silk based products

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

[Question ID = 2832][Question Description = 132_109_SER_SEP22_Q32]

1. A, B and D [Option ID = 11325]
2. A, B and C [Option ID = 11326]
3. A and C only [Option ID = 11327]

4. A and D only [Option ID = 11328]

33) The process of separation of defective cocoons from the cocoon lot in sericulture is referred to:

[Question ID = 2833][Question Description = 133_109_SER_SEP22_Q33]

1. Culling [Option ID = 11329]
2. Sorting [Option ID = 11330]
3. Stifling [Option ID = 11331]
4. Scoring [Option ID = 11332]

34) Kanva 2, a variety of mulberry has potential to yield foliage (20 to 60mt/ha/yr) in the:

- A. Eastern and NE plains and foot hills
- B. Southern Tropics, rain-fed
- C. Eastern and NE rain-fed, hills
- D. Southern Tropics, irrigated

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

[Question ID = 2834][Question Description = 134_109_SER_SEP22_Q34]

1. A, B and D [Option ID = 11333]
2. A, B and C [Option ID = 11334]
3. A and B only [Option ID = 11335]
4. A and D only [Option ID = 11336]

35) Univoltine silkworm (s) characterized by large larval body size and good-quality cocoon filament is/are due to their:

- A. Susceptibility to various disease causing pathogens
- B. Sensitivity to fluctuating weather conditions
- C. Sensitivity to availability of poor leaf quality as food
- D. Resistance to various disease causing pathogens

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

[Question ID = 2835][Question Description = 135_109_SER_SEP22_Q35]

1. A, B and D [Option ID = 11337]
2. A, B and C [Option ID = 11338]
3. B, C and D [Option ID = 11339]
4. A, C and D [Option ID = 11340]

36) Given below are two statements

Statement I: Silk fiber is a complex proteinous material comprising fibroin and sericin

Statement II: In order to get quality silk thread from the cocoon, removal of sericin is indispensable

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

[Question ID = 2836][Question Description = 136_109_SER_SEP22_Q36]

1. Both Statement I and Statement II are correct [Option ID = 11341]
2. Both Statement I and Statement II are incorrect [Option ID = 11342]
3. Statement I is correct but Statement II is incorrect [Option ID = 11343]
4. Statement I is incorrect but Statement II is correct [Option ID = 11344]

37) Given below are two statements

Statement I: Cocoonase is a proteolytic enzyme responsible to digest sericin at the anterior region of the cocoon

Statement II: Cocoonase is produced in silk worm during the larval-pupal transformation

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

[Question ID = 2837][Question Description = 137_109_SER_SEP22_Q37]

1. Both Statement I and Statement II are correct [Option ID = 11345]
2. Both Statement I and Statement II are incorrect [Option ID = 11346]
3. Statement I is correct but Statement II is incorrect [Option ID = 11347]
4. Statement I is incorrect but Statement II is correct [Option ID = 11348]

38) Match List I with List II

List I	List II
A. Pure Mysore silk worm race	I. Bivoltine
B. Kashmir silk worm race	II. Polyvoltine
C. Borapolu Silk worm (Extinct race)	III. Multivoltine
D. Ni x NB 4D2 race	IV. Univoltine

Choose the correct answer from the options given below:

[Question ID = 2838][Question Description = 138_109_SER_SEP22_Q38]

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

[Option ID = 11349]

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

[Option ID = 11350]

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

[Option ID = 11351]

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

[Option ID = 11352]

39) Match List I with List II

List I	List II
A. Daba eco-race	I. Odisha
B. Modal eco-race	II. Jharkhand
C. Raily eco-race	III. Chhattisgarh
D. Tira ceo-race	IV. West Bengal

Choose the correct answer from the options given below:

[Question ID = 2839][Question Description = 139_109_SER_SEP22_Q39]

1. A-I, B-II, C-III, D-IV [Option ID = 11353]

2. A-II, B-I, C-IV, D-III [Option ID = 11354]

3. A-II, B-I, C-III, D-IV [Option ID = 11355]

4. A-I, B-III, C-IV, D-II [Option ID = 11356]

40) Match List I with List II

List I	List II
A. Cottage basin	I. Improved version of Charkha
B. Charkha	II. Silk weaving
C. Multi-end reeling machine	III. Uneven thread of poor quality
D. Traditional power-looms	IV. Improved version of cottage basin

Choose the correct answer from the options given below:

[Question ID = 2840][Question Description = 140_109_SER_SEP22_Q40]

1. A-I, B-II, C-III, D-IV [Option ID = 11357]

2. A-II, B-I, C-IV, D-III [Option ID = 11358]

3. A-II, B-I, C-III, D-IV [Option ID = 11359]

4. A-I, B-III, C-IV, D-II [Option ID = 11360]

41) Given below are two statements

Statement I: There is no organized marketing channel for eri-silk worm. Traders purchase cocoons directly from the farmers' houses or occasionally from local weekly market

Statement II: Muga cocoons are sold through an organized market system in Brahmaputra valley of Asom and its surrounding hills

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

[Question ID = 2841][Question Description = 141_109_SER_SEP22_Q41]

1. Both Statement I and Statement II are correct [Option ID = 11361]

2. Both Statement I and Statement II are incorrect [Option ID = 11362]

3. Statement I is correct but Statement II is incorrect [Option ID = 11363]

4. Statement I is incorrect but Statement II is correct [Option ID = 11364]

42) Given below are two statements

Statement I: Handbook of Sericulture Technologies-2003 was published by Central Silk Board, GOI

Statement II: Handbook of Sericulture-1929 was published by Bengal Secretariat Book Depot

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

[Question ID = 2842][Question Description = 142_109_SER_SEP22_Q42]

- Both Statement I and Statement II are correct
[Option ID = 11365]
- Both Statement I and Statement II are incorrect
[Option ID = 11366]
- Statement I is correct but Statement II is incorrect
[Option ID = 11367]
- Statement I is incorrect but Statement II is correct
[Option ID = 11368]

43) Given below are two statements

Statement I: The Ministry of Textiles had allocated Rs 1,269 crore to Central Silk Board for its developmental activities during the 11th Five-Year Plan period

Statement II: The Catalytic Development Programme (CDP), a centrally-sponsored scheme is implemented in association with the state sericulture department and other related agencies.

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

[Question ID = 2843][Question Description = 143_109_SER_SEP22_Q43]

- Both Statement I and Statement II are correct [Option ID = 11369]
- Both Statement I and Statement II are incorrect [Option ID = 11370]
- Statement I is correct but Statement II is incorrect [Option ID = 11371]
- Statement I is incorrect but Statement II is correct [Option ID = 11372]

44) Given below are two statements

Statement I: Total mulberry silk production for the year 2021-22 was 23896 MT

Statement II: Total multivoltine mulberry silk production for the year 2020-21 was 17113MT

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

[Question ID = 2844][Question Description = 144_109_SER_SEP22_Q44]

- Both Statement I and Statement II are correct [Option ID = 11373]
- Both Statement I and Statement II are incorrect [Option ID = 11374]
- Statement I is correct but Statement II is incorrect [Option ID = 11375]
- Statement I is incorrect but Statement II is correct [Option ID = 11376]

45) Given below are two statements

Statement I: A highly valued caterpillar fungus, *Cordyceps* can be cultured on the pupae of silkworm as demonstrated by CSRTI Mysuru

Statement II: Some of the human population eats silkworm caterpillars and pupae, which are highly nutritious

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

[Question ID = 2845][Question Description = 145_109_SER_SEP22_Q45]

- Both Statement I and Statement II are correct [Option ID = 11377]
- Both Statement I and Statement II are incorrect [Option ID = 11378]
- Statement I is correct but Statement II is incorrect [Option ID = 11379]
- Statement I is incorrect but Statement II is correct [Option ID = 11380]

46) Given below are two statements

Statement I: The hand-loom weavers use raw-silk from oak tasar for preparation of sarees, shawls and other garments

Statement II: Coarse yarn of oak tasar is used in cataract surgery

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

[Question ID = 2846][Question Description = 146_109_SER_SEP22_Q46]

- Both Statement I and Statement II are correct [Option ID = 11381]
- Both Statement I and Statement II are incorrect [Option ID = 11382]
- Statement I is correct but Statement II is incorrect [Option ID = 11383]
- Statement I is incorrect but Statement II is correct [Option ID = 11384]

47) Given below are two statements

Statement I: Goshorami is of Japan origin variety of mulberry tree

Statement II: Goshorami is a popular variety of mulberry grown in Kashmir condition

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

[Question ID = 2847][Question Description = 147_109_SER_SEP22_Q47]

1. Both Statement I and Statement II are correct [Option ID = 11385]
2. Both Statement I and Statement II are incorrect [Option ID = 11386]
3. Statement I is correct but Statement II is incorrect [Option ID = 11387]
4. Statement I is incorrect but Statement II is correct [Option ID = 11388]

48) Match List I with List II

List I	List II
A. Pitambara	I. Silk cloths of Chinese origin
B. Chidambara	II. Silk cloths of Indian origin
C. Milk and silk grow together	III. Karnataka
D. Silk road	IV. Sikkim

Choose the correct answer from the options given below:

[Question ID = 2848][Question Description = 148_109_SER_SEP22_Q48]

1. A-I, B-II, C-III, D-IV [Option ID = 11389]
2. A-II, B-I, C-IV, D-III [Option ID = 11390]
3. A-II, B-I, C-III, D-IV [Option ID = 11391]
4. A-I, B-III, C-IV, D-II [Option ID = 11392]

49) Match List I with List II

List I	List II
A. 1 st 2 nd instar <i>B. mori</i>	I. 26°C and humidity 80%
B. 3 rd instar <i>B. mori</i>	II. 25°C and humidity <70%
C. 4 th instar <i>B. mori</i>	III. 24-25°C and humidity 75%
D. 5 th instar <i>B. mori</i>	IV. 23-24°C and humidity 70%

Choose the correct answer from the options given below:

[Question ID = 2849][Question Description = 149_109_SER_SEP22_Q49]

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

[Option ID = 11393]

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

[Option ID = 11394]

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

[Option ID = 11395]

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

[Option ID = 11396]

50) Match List I with List II

List I	List II
A. P2	I. Mysore
B. P3	II. Purnia
C. P4	III. Falkatta
D. P3A	IV. Tara

Choose the correct answer from the options given below:

[Question ID = 2850][Question Description = 150_109_SER_SEP22_Q50]

1. A-I, B-II, C-III, D-IV [Option ID = 11397]
2. A-II, B-I, C-IV, D-III [Option ID = 11398]
3. A-II, B-I, C-III, D-IV [Option ID = 11399]
4. A-I, B-III, C-IV, D-II [Option ID = 11400]

