

# National Testing Agency

**Question Paper Name :** Sericulture 12th Oct 2020 Shift 2  
**Subject Name :** Sericulture  
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**Total Marks :** 480  
**Display Marks:** Yes

## Sericulture

**Group Number :** 1  
**Group Id :** 21052996  
**Group Maximum Duration :** 0  
**Group Minimum Duration :** 120  
**Show Attended Group? :** No  
**Edit Attended Group? :** No  
**Break time :** 0  
**Group Marks :** 480  
**Is this Group for Examiner? :** No

## Part A General Knowledge

**Section Id :** 210529171  
**Section Number :** 1  
**Section type :** Online  
**Mandatory or Optional :** Mandatory  
**Number of Questions :** 20  
**Number of Questions to be attempted :** 20  
**Section Marks :** 80  
**Mark As Answered Required? :** Yes  
**Sub-Section Number :** 1  
**Sub-Section Id :** 210529422  
**Question Shuffling Allowed :** Yes

**Question Number : 1 Question Id : 21052912371 Question Type : MCQ Option Shuffling : No Is  
Question Mandatory : No  
Correct Marks : 4 Wrong Marks : 1**

The first areca nut to get the Geographical Indications (GI) tag is the Sirsi Supari. In which State is this Supari grown?

1. Karnataka
2. Bihar
3. Andhra Pradesh
4. Odisha

**Options :**

- 21052948761. 1
- 21052948762. 2
- 21052948763. 3
- 21052948764. 4

**Question Number : 2 Question Id : 21052912372 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements

**Statement I :** Two-thirds of India's population is engaged in agriculture.

**Statement II :** Agriculture is a secondary activity that produces most of the consumed foods.

Which of the following is correct?

1. Statements (I) and (II) both are correct
2. Statements (I) and (II) both are incorrect
3. Statement (I) is correct and (II) is incorrect
4. Statement (I) is incorrect and (II) is correct

**Options :**

- 21052948765. 1
- 21052948766. 2
- 21052948767. 3
- 21052948768. 4

**Question Number : 3 Question Id : 21052912373 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following has led to increased salinity in soil in Punjab and Haryana States of India?

1. Use of fertilizers leading to chemicals in soil
2. Over-irrigation leading to waterlogging
3. Over-cultivation leading to increased humus
4. Mineral processing for cement industry

**Options :**

21052948769. 1

21052948770. 2

21052948771. 3

21052948772. 4

**Question Number : 4 Question Id : 21052912374 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The term 'dual economy' is a mixture of which sectors?

1. Traditional agricultural sector and modern industrial sector
2. Industrial sector and manufacturing sector
3. State ownership of the means of production
4. Industrial sector and trading of goods obtained through import

**Options :**

21052948773. 1

21052948774. 2

21052948775. 3

21052948776. 4

**Question Number : 5 Question Id : 21052912375 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following statements is INCORRECT about Intensive Subsistence Agriculture?

1. High doses of biochemical inputs and irrigation are used
2. It is a labour intensive farming
3. The farmers continue to take maximum output from the limited land
4. It is practised in the area of low population pressure on land

**Options :**

21052948777. 1

21052948778. 2

21052948779. 3

21052948780. 4

**Question Number : 6 Question Id : 21052912376 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The present formula for food requirement while measuring the poverty line is based on the desired calorie requirement. What is the accepted average calorie requirement in India per person per day in rural areas?

1. 2100 calories
2. 2145 calories
3. 2400 calories
4. 2540 calories

**Options :**

- 21052948781. 1
- 21052948782. 2
- 21052948783. 3
- 21052948784. 4

**Question Number : 7 Question Id : 21052912377 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

India's natural vegetation has undergone many changes. Which of the following factors is not responsible for the change?

1. Growing demand for cultivated area
2. Development of industries and mining
3. Under-grazing of pastures
4. Urbanization

**Options :**

- 21052948785. 1
- 21052948786. 2
- 21052948787. 3
- 21052948788. 4

**Question Number : 8 Question Id : 21052912378 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

What is the most important role of economics in the management of the marine environment?

1. Integrated management of marine environment that necessitates the involvement of the broad range of stakeholders
2. To provide an important framework for the management of marine environment by potentially providing a common numeracies for the different stakeholder groups
3. To provide the benefit to an area in maintaining and enhancing biodiversity that needs to be compared with the cost of foregone previous activities in the area
4. To find where the similar environmental benefits can be realized from different approaches

**Options :**

- 21052948789. 1
- 21052948790. 2
- 21052948791. 3
- 21052948792. 4

**Question Number : 9 Question Id : 21052912379 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Among the following, which one is a 'hot spot' for biological diversity in India?

1. Eastern Ghat
2. Western Ghat
3. Chilika Lagoon
4. Sunderbans

**Options :**

- 21052948793. 1
- 21052948794. 2
- 21052948795. 3
- 21052948796. 4

**Question Number : 10 Question Id : 21052912380 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Human Development Report published by UNDP compares countries based on

- A. educational level of people
- B. working population
- C. sex ratio
- D. per capita income
- E. health issues

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

- 1. A, B and C
- 2. B, C and D
- 3. A, D and E
- 4. A, C and E

**Options :**

- 21052948797. 1
- 21052948798. 2
- 21052948799. 3
- 21052948800. 4

**Question Number : 11 Question Id : 21052912381 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The task of measuring GDP in India is taken by the

- 1. Finance Ministry
- 2. Central Government Ministry
- 3. State Government Ministry
- 4. Reserve Bank of India

**Options :**

- 21052948801. 1
- 21052948802. 2
- 21052948803. 3
- 21052948804. 4

**Question Number : 12 Question Id : 21052912382 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The ratio between the length and perimeter of a rectangular plot is 1: 3. What is the ratio between the length and breadth of the plot?

1. 1 : 2
2. 2 : 1
3. 3 : 2
4. Data inadequate

**Options :**

- 21052948805. 1
- 21052948806. 2
- 21052948807. 3
- 21052948808. 4

**Question Number : 13 Question Id : 21052912383 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Economies like Italy, Israel and Chile export high-value commodities. Which of the following are imported by these countries?

1. Fruits
2. Cereals
3. Olives
4. Speciality seeds

**Options :**

- 21052948809. 1
- 21052948810. 2
- 21052948811. 3
- 21052948812. 4

**Question Number : 14 Question Id : 21052912384 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which one of the following countries has a new Guinness World Record for organizing the highest altitude fashion show on the earth?

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

**Options :**

- 21052948813. 1
- 21052948814. 2
- 21052948815. 3
- 21052948816. 4

**Question Number : 15 Question Id : 21052912385 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

Which of the following States has the maximum net sown area in India?

- 1. Punjab
- 2. Odisha
- 3. Arunachal Pradesh
- 4. Manipur

**Options :**

- 21052948817. 1
- 21052948818. 2
- 21052948819. 3
- 21052948820. 4

**Question Number : 16 Question Id : 21052912386 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

Maintaining ecological balances in future will mainly depend upon

- 1. nature's own process of changes and interaction
- 2. adoption of all living species to the changes in climate
- 3. man's caution and ability to allow nature's own balance to continue
- 4. man's ability to maintain and develop species according to his needs

**Options :**

- 21052948821. 1
- 21052948822. 2
- 21052948823. 3
- 21052948824. 4

**Question Number : 17 Question Id : 21052912387 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**



The New Agricultural Policy was established in which year?

1. July 2000
2. March 2002
3. March 2004
4. January 2004

**Options :**

- 21052948825. 1
- 21052948826. 2
- 21052948827. 3
- 21052948828. 4

**Question Number : 18 Question Id : 21052912388 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Who of the following was appointed as the member of Monetary Policy Committee (MPC)?

1. Shubhendu Mishra
2. Janak Raj
3. Aishwarya Shukla
4. Arpit Gandhi

**Options :**

- 21052948829. 1
- 21052948830. 2
- 21052948831. 3
- 21052948832. 4

**Question Number : 19 Question Id : 21052912389 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Cattle-bone powder is used as fertilizer as it is rich in what type of contents?

1. Nitrogen
2. Phosphorous
3. Potassium
4. Sodium

**Options :**

- 21052948833. 1
- 21052948834. 2
- 21052948835. 3
- 21052948836. 4

**Question Number : 20 Question Id : 21052912390 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The term 'butterfly stroke' is referred to in which sports?

1. Wrestling
2. Volleyball
3. Tennis
4. Swimming

**Options :**

21052948837. 1

21052948838. 2

21052948839. 3

21052948840. 4

## **Part B Core Crop Sciences-II**

<b>Section Id :</b>	210529172
<b>Section Number :</b>	2
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	50
<b>Number of Questions to be attempted :</b>	50
<b>Section Marks :</b>	200
<b>Mark As Answered Required? :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	210529423
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 21 Question Id : 21052912391 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Phenolic compounds produced by a plant injured by insect to resist further attack are known as

1. Detoxifying enzymes
2. Phytotoxins
3. Phytoalexins
4. Phytoperenols

**Options :**

21052948841. 1

21052948842. 2

21052948843. 3

21052948844. 4

**Question Number : 22 Question Id : 21052912392 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Number of thermal days required to accomplish life events in insects, is referred as:

1. Average daily temperature
2. Developmental threshold
3. Density dependent factor
4. Thermal constant

**Options :**

21052948845. 1

21052948846. 2

21052948847. 3

21052948848. 4

**Question Number : 23 Question Id : 21052912393 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Stock lac is also called:

1. Chowri
2. Phunki
3. Kiri
4. Raw lac

**Options :**

21052948849. 1

21052948850. 2

21052948851. 3

21052948852. 4

**Question Number : 24 Question Id : 21052912394 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is field cum storage pest?

1. *Corcyra cephalonica*
2. *Cadra cautella*
3. *Lasioderma serricornis*
4. *Phthorimaea operculella*

**Options :**

- 21052948853. 1
- 21052948854. 2
- 21052948855. 3
- 21052948856. 4

**Question Number : 25 Question Id : 21052912395 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following is the chitin synthesis inhibitor?

1. Fipronil
2. Buprofezin
3. Chlorantraniprole
4. Spinosad

**Options :**

- 21052948857. 1
- 21052948858. 2
- 21052948859. 3
- 21052948860. 4

**Question Number : 26 Question Id : 21052912396 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Extra oral digestion is most common in the larva of

1. Ant lion
2. Trichogramma
3. Praying mantis
4. Silver fish

**Options :**

- 21052948861. 1
- 21052948862. 2
- 21052948863. 3
- 21052948864. 4

**Question Number : 27 Question Id : 21052912397 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Dead heart symptom in less than 30 days old sorghum seedlings is due to

1. *Chilo partellus*
2. *Atherigona soccata*
3. *Sesamia inferens*
4. *Contarinia sorghicola*

**Options :**

- 21052948865. 1
- 21052948866. 2
- 21052948867. 3
- 21052948868. 4

**Question Number : 28 Question Id : 21052912398 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

A chordotonal organ on the proximal tibia that detects substrate vibration is called

1. Subgenual organ
2. Tympanum
3. Johnston's organ
4. Scolopidia

**Options :**

- 21052948869. 1
- 21052948870. 2
- 21052948871. 3
- 21052948872. 4

**Question Number : 29 Question Id : 21052912399 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following DO NOT produce honey?

1. Bombidae
2. Meliponidae
3. Apidae
4. Coccidae

**Options :**

- 21052948873. 1

21052948874. 2

21052948875. 3

21052948876. 4

**Question Number : 30 Question Id : 21052912400 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

A distinct part of the adult coleopterous labium with fused prementum lobes is called as

1. Ligula
2. Lingual
3. Labella
4. Flabellum

**Options :**

21052948877. 1

21052948878. 2

21052948879. 3

21052948880. 4

**Question Number : 31 Question Id : 21052912401 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Specific gravity (gm/cc) of pure honey ranges between

1. 1.14–1.24
2. 1.24–1.34
3. 1.34–1.44
4. 1.44–1.54

**Options :**

21052948881. 1

21052948882. 2

21052948883. 3

21052948884. 4

**Question Number : 32 Question Id : 21052912402 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In bird scarer device, which of the following is used to produce noise?

1. Acetylene
2. Calcium carbide
3. Barium sulphate
4. Magnesium chloride

**Options :**

- 21052948885. 1
- 21052948886. 2
- 21052948887. 3
- 21052948888. 4

**Question Number : 33 Question Id : 21052912403 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Release of natural enemies that are expected to colonize and spread throughout an area naturally is called

1. Inoculative
2. Accretive
3. Inundative
4. Prophylactic

**Options :**

- 21052948889. 1
- 21052948890. 2
- 21052948891. 3
- 21052948892. 4

**Question Number : 34 Question Id : 21052912404 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Integrated control was first defined by

1. Hoskins et al (1939)
2. Michelbacher and Bacon (1952)
3. Stern et al (1959)
4. Geier and Claric (1961)

**Options :**

- 21052948893. 1
- 21052948894. 2
- 21052948895. 3
- 21052948896. 4

**Question Number : 35 Question Id : 21052912405 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

Alarm pheromone *Aphis gossypii* is:

1. Polyvinyl chloride (PVC)
2. (E) - b – farnesene (EBF)
3. Piperinyl Butoxide (PPO)
4. P – hydroxyl benzaldehyde (PHB)

**Options :**

- 21052948897. 1
- 21052948898. 2
- 21052948899. 3
- 21052948900. 4

**Question Number : 36 Question Id : 21052912406 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

The size of plant parasitic nematodes ranges between

1. 2mm and 50 mm
2. 0.25 and 12 mm
3. 2 - 5 cm
4. More than 5 cm

**Options :**

- 21052948901. 1
- 21052948902. 2
- 21052948903. 3
- 21052948904. 4

**Question Number : 37 Question Id : 21052912407 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

Slow decline of citrus is mainly caused by

1. *Rotylenchulus reniformis*
2. *Tylenchulus semipenetrans*
3. *Radopholus similis*
4. *Meloidogyne indica*

**Options :**



21052948905. 1  
21052948906. 2  
21052948907. 3  
21052948908. 4

**Question Number : 38 Question Id : 21052912408 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

'Black head' disease of banana is caused by

1. *Radopholus* sp. and *Fusarium* sp.
2. *Pratylenchus* sp. and *Fusarium* sp.
3. Root knot nematode and *Fusarium* sp.
4. *Helicotylenchus* sp. and *Fusarium* sp.

**Options :**

21052948909. 1  
21052948910. 2  
21052948911. 3  
21052948912. 4

**Question Number : 39 Question Id : 21052912409 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Viable eggs in a dead female insect can survive for many years under unfavourable conditions as

1. Cyst
2. Gall
3. Knot
4. Root – knot

**Options :**

21052948913. 1  
21052948914. 2  
21052948915. 3  
21052948916. 4

**Question Number : 40 Question Id : 21052912410 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

An egg parasitic fungus used to control root knot nematode, is

1. *Trichoderma viride*
2. *Purpureocillium lilacinum*
3. *Trichoderma harzianum*
4. *Aspergillus* spp.

**Options :**

21052948917. 1  
21052948918. 2  
21052948919. 3  
21052948920. 4

**Question Number : 41 Question Id : 21052912411 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

'Kufri Swarna' is the cyst nematode resistant variety of

1. Sweet potato
2. Irish potato
3. Tapioca
4. Yam

**Options :**

21052948921. 1  
21052948922. 2  
21052948923. 3  
21052948924. 4

**Question Number : 42 Question Id : 21052912412 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

'Elephantiasis' is caused by

1. *Ascaris lumbricoides*
2. *Wucheraria bancrofti*
3. *Ancylostoma duodenale*
4. *Enterobius vermicularis*

**Options :**

21052948925. 1  
21052948926. 2  
21052948927. 3  
21052948928. 4

**Question Number : 43 Question Id : 21052912413 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

'Floral melody' in tuberose is caused by

1. *Tylenchorynchus brevilineatus*
2. *Tylenchulus semipenetrans*
3. *Rotylenchulus remiformis*
4. *Aphelenchoides besseyi*

**Options :**

- 21052948929. 1
- 21052948930. 2
- 21052948931. 3
- 21052948932. 4

**Question Number : 44 Question Id : 21052912414 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

Nematode used as biological model is

1. *Anguina tritici*
2. *Ascaris sp.*
3. *Caenorhabditis elegans*
4. *Ancylostoma duodenale*

**Options :**

- 21052948933. 1
- 21052948934. 2
- 21052948935. 3
- 21052948936. 4

**Question Number : 45 Question Id : 21052912415 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

Systems absent in nematode are

1. Nervous and excretory
2. Reproductive and respiratory
3. Digestive and circulatory
4. Circulatory and respiratory

**Options :**

21052948937. 1  
21052948938. 2  
21052948939. 3  
21052948940. 4

**Question Number : 46 Question Id : 21052912416 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Destruction of pathogens after getting established in an area is known as

1. Eradication
2. Exclusion
3. Protection
4. Embargo

**Options :**

21052948941. 1  
21052948942. 2  
21052948943. 3  
21052948944. 4

**Question Number : 47 Question Id : 21052912417 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Precursor for the synthesis of Tryptophan is

1. Pyruvic acid
2. Shikimic acid
3. Oxaloacetic acid
4. Citric acid

**Options :**

21052948945. 1  
21052948946. 2  
21052948947. 3  
21052948948. 4

**Question Number : 48 Question Id : 21052912418 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Name of the structure formed by clustering of vesicle in true fungi with other structure is known as

1. Sclerotia
2. Chlamyospore
3. Cisternae
4. Spitzenkorper

**Options :**

- 21052948949. 1
- 21052948950. 2
- 21052948951. 3
- 21052948952. 4

**Question Number : 49 Question Id : 21052912419 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Antifungal antibiotic for the management of fungal pathogen is

1. Kasugamycin
2. Gentamycin
3. Streptomycin
4. Erythromycin

**Options :**

- 21052948953. 1
- 21052948954. 2
- 21052948955. 3
- 21052948956. 4

**Question Number : 50 Question Id : 21052912420 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Commercial success of pathogen derived resistance for control of plant virus using CP gene was achieved for

1. Papaya ring spot virus
2. Tobacco streak virus
3. TSWV
4. GBNV

**Options :**

- 21052948957. 1
- 21052948958. 2

21052948959. 3

21052948960. 4

**Question Number : 51 Question Id : 21052912421 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

R – Gene- XA13 against *Xanthomonas oryzae* pv.*oryzae* was discovered by

1. David L. Coplin
2. Frank F. White
3. Brian Staskawicz
4. Wesley W.C. Chun

**Options :**

21052948961. 1

21052948962. 2

21052948963. 3

21052948964. 4

**Question Number : 52 Question Id : 21052912422 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

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

List I	List II
A. Black rot of grapes	I. <i>Sclerotinia sclerotiorum</i>
B. Gummy stem blight	II. Discovered in Australia
C. Panama wilt of banana	III. <i>Phyllosticta ampellicida</i>
D. Stem rot of carnation	IV. <i>Didymella bryoniae</i>

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

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

**Options :**

21052948965. 1

21052948966. 2

21052948967. 3

21052948968. 4

**Question Number : 53 Question Id : 21052912423 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Authority for crown gall bacterium *Agrobacterium tumefaciens* is

1. Conn, 1942
2. Conn and Dimmick, 1947
3. Beijerinck, 1901
4. Beijerinck, 1898

**Options :**

- 21052948969. 1
- 21052948970. 2
- 21052948971. 3
- 21052948972. 4

**Question Number : 54 Question Id : 21052912424 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Wound dressing fungicide is

1. Captan
2. Thiram
3. Propiconazole
4. Bordeaux mixture

**Options :**

- 21052948973. 1
- 21052948974. 2
- 21052948975. 3
- 21052948976. 4

**Question Number : 55 Question Id : 21052912425 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Causal organism of wheat yellow rust is

1. *Puccinia graminis* f.sp. *tritici*
2. *Puccinia triticina*
3. *Puccinia recondita*
4. *Puccinia striiformis* f.sp. *tritici*

**Options :**

- 21052948977. 1
- 21052948978. 2

21052948979. 3

21052948980. 4

**Question Number : 56 Question Id : 21052912426 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Organism that multiplies without coding for any polypeptide is

1. Virus
2. Viroid
3. Mycoplasma
4. Phytoplasma

**Options :**

21052948981. 1

21052948982. 2

21052948983. 3

21052948984. 4

**Question Number : 57 Question Id : 21052912427 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The enzymes synthesizing tryptophan are activated by

1. Manganese
2. Potassium
3. Zinc
4. Sulphur

**Options :**

21052948985. 1

21052948986. 2

21052948987. 3

21052948988. 4

**Question Number : 58 Question Id : 21052912428 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Kinetosome comprises of

1. 9 Axoneme attached to centriole
2. 2 Axoneme attached to flagellum
3. Modified centriole
4. 9 + 2 axoneme of flagellum attached to modified centriole



**Options :**

- 21052948989. 1
- 21052948990. 2
- 21052948991. 3
- 21052948992. 4

**Question Number : 59 Question Id : 21052912429 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

A membranous structure present on either side of doliporeseptum is known as

- 1. Parenthosome
- 2. Ribosome
- 3. Septum
- 4. Coenocytic

**Options :**

- 21052948993. 1
- 21052948994. 2
- 21052948995. 3
- 21052948996. 4

**Question Number : 60 Question Id : 21052912430 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

In the context of plant protection, PRA is known as

- 1. Pest restricted area
- 2. Pest risk analysis
- 3. Pest reserved area
- 4. Pesticide risk analysis

**Options :**

- 21052948997. 1
- 21052948998. 2
- 21052948999. 3
- 21052949000. 4

**Question Number : 61 Question Id : 21052912431 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

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

<b>List I</b>	<b>List II</b>
A. CSR&TI	I. Ranchi
B. CTR&TI	II. Bengaluru
C. CSTRI	III. Ladoigarh
D. CMER&TI	IV. Mysuru

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

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

**Options :**

21052949001. 1
21052949002. 2
21052949003. 3
21052949004. 4

**Question Number : 62 Question Id : 21052912432 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The finest natural and earliest discovered fibre by man is

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

**Options :**

21052949005. 1
21052949006. 2
21052949007. 3
21052949008. 4

**Question Number : 63 Question Id : 21052912433 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which of the following voraciously feeds on castor being a primary host plant?

1. *Bombyx mori*
2. *Antheraea roylei*
3. *Antheraea perryi*
4. *Samia ricini*

**Options :**

- 21052949009. 1
- 21052949010. 2
- 21052949011. 3
- 21052949012. 4

**Question Number : 64 Question Id : 21052912434 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Pebrine is the most serious disease of silkworm caused by

1. Protozoa
2. Bacteria
3. Fungi
4. Viruses

**Options :**

- 21052949013. 1
- 21052949014. 2
- 21052949015. 3
- 21052949016. 4

**Question Number : 65 Question Id : 21052912435 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

During Chawki rearing of silkworm if samples reveal Pebrine disease, they should be

1. Immediately treated with streptomycin
2. Graded as poor quality for reel purpose
3. Burnt and not supplied to farmers
4. Fed on artificial diet to safeguard from disease cross infections

**Options :**

- 21052949017. 1
- 21052949018. 2
- 21052949019. 3
- 21052949020. 4

**Question Number : 66 Question Id : 21052912436 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

*Nesolynx thymus*, a parasitoid of uzi fly belongs to

1. Braconidae
2. Encyrtidae
3. Euphoridae
4. Chalcididae

**Options :**

21052949021. 1  
21052949022. 2  
21052949023. 3  
21052949024. 4

**Question Number : 67 Question Id : 21052912437 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

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

List I	List II
A. Kesseru	I. Tasar silkworm
B. Oak	II. Preservation
C. Seed cocoon	III. Eri silkworm
D. Muga	IV. Vanya silkworm

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

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

**Options :**

21052949025. 1  
21052949026. 2  
21052949027. 3  
21052949028. 4

**Question Number : 68 Question Id : 21052912438 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements

**Statement I :** Uzi fly is an ecto-parasitoid of pupa of *Bombyx mori*.

**Statement II :** Uzi fly, *Exorista sorbillans* parasitizes almost all Indian silkworm species except Eri.

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

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

**Options :**

21052949029. 1

21052949030. 2

21052949031. 3

21052949032. 4

**Question Number : 69 Question Id : 21052912439 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements

**Statement I :** The term 'Disease free layings' popularly known as 'dfls' is used in silkworm seed delivery system.

**Statement II :** Uzi fly is a parasitoid of Tasar silkworm.

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

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

**Options :**

21052949033. 1

21052949034. 2

21052949035. 3

21052949036. 4

**Question Number : 70 Question Id : 21052912440 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements

**Statement I :** *Antheraea proyle* has (n=49) number of chromosomes.

**Statement II :** *Antheraea frithi* has (n=31) number of chromosomes.

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

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

**Options :**

21052949037. 1

21052949038. 2

21052949039. 3

21052949040. 4

## Part C Sericulture

<b>Section Id :</b>	210529173
<b>Section Number :</b>	3
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	50
<b>Number of Questions to be attempted :</b>	50
<b>Section Marks :</b>	200
<b>Mark As Answered Required? :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	210529424
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 71 Question Id : 21052912441 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements

Statement I: Mulberry varieties are usually heterozygous.

Statement II : Ploidy varies hugely in mulberry genetic resources.

Choose the appropriate answer based on the facts of mulberry variety development programmes :

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 and Statement II is true

**Options :**

- 21052949041. 1
- 21052949042. 2
- 21052949043. 3
- 21052949044. 4

**Question Number : 72 Question Id : 21052912442 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements : one is labelled as Assertion A and the other is labelled as Reason R :

Assertion A : Feeding of 2% Carbendazim sprayed mulberry leaves without any safety period is recommended.

Reason R : Carbendazim is proven to be non-toxic to silkworm.

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

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

**Options :**

- 21052949045. 1
- 21052949046. 2
- 21052949047. 3
- 21052949048. 4

**Question Number : 73 Question Id : 21052912443 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

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

<b>List I</b>	<b>List II</b>
A. Root rot	I. <i>Myrothecium roridum</i>
B. Tukra	II. <i>Meloidogyne</i> spp.
C. Powdery mildew	III. <i>Maconellicoccus hirsutus</i>
D. Brown leaf spot	IV. <i>Phyllactina corylea</i>

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

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

**Options :**

21052949049. 1

21052949050. 2

21052949051. 3

21052949052. 4

**Question Number : 74 Question Id : 21052912444 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Salient features of mulberry are

- A. Dioecious
- B. Perennial
- C. Heterozygous
- D. Vegetative propagation

Choose the correct answer from the options given below :

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

**Options :**

21052949053. 1

21052949054. 2

21052949055. 3



21052949056. 4

**Question Number : 75 Question Id : 21052912445 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Moulting test is conducted for understanding

1. ash content of leaf
2. leaf quality
3. thickness of leaf
4. fibre content of leaf

**Options :**

21052949057. 1

21052949058. 2

21052949059. 3

21052949060. 4

**Question Number : 76 Question Id : 21052912446 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

*Elsenia foetide, Perionyx excavates, Eudrilus eugeniae and Lumbricus rubeliis* are species of

1. microsporidians
2. bacteria
3. earthworms
4. silkworms

**Options :**

21052949061. 1

21052949062. 2

21052949063. 3

21052949064. 4

**Question Number : 77 Question Id : 21052912447 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

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

<b>List I</b>	<b>List II</b>
A. NB4D2, CSR2, CSR4	I. Foundation crosses
B. PM, Nistari, Sarupat	II. Crossbreed
C. Kolar Gold	III. Multivoltine breeds
D. FC1, FC2	IV. Bivoltine breeds

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

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

**Options :**

21052949065. 1
21052949066. 2
21052949067. 3
21052949068. 4

**Question Number : 78 Question Id : 21052912448 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Polyvoltine, bivoltine and univoltine silkworms are varieties of which silkworms?

1. Tasar
2. Eri
3. Muga
4. Mulberry

**Options :**

21052949069. 1
21052949070. 2
21052949071. 3
21052949072. 4

**Question Number : 79 Question Id : 21052912449 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements

Statement I : Gynandromorphs exhibit male and female characters in the body.

Statement II: A characteristic of an individual whereby one half of the body is male and the other part is female (sex mosaic), is referred as Gynandromorphism.

Choose appropriate answer based on facts of uzi fly lifecycle :

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 and Statement II is true

**Options :**

21052949073. 1

21052949074. 2

21052949075. 3

21052949076. 4

**Question Number : 80 Question Id : 21052912450 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Which is the Active Germplasm Site for conservation of mulberry and mulberry silkworm?

1. NBAIR-Bengaluru
2. CSRTI-Mysore
3. NSSO-Bengaluru
4. CSGRC-Hosur

**Options :**

21052949077. 1

21052949078. 2

21052949079. 3

21052949080. 4

**Question Number : 81 Question Id : 21052912451 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Formation of a whole plant from few cells or part of a plant is termed as

1. explantation
2. polarity
3. totipotency
4. morphogenesis

**Options :**

- 21052949081. 1
- 21052949082. 2
- 21052949083. 3
- 21052949084. 4

**Question Number : 82 Question Id : 21052912452 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Breeding procedures utilized for identifying suitable crossbreeds involves which of the following processes?

- A. Diallele analysis
- B. Line × tester analysis
- C. Multiple trait evaluation index
- D. Weighted average index

Choose the correct answer from the options given below :

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

**Options :**

- 21052949085. 1
- 21052949086. 2
- 21052949087. 3
- 21052949088. 4

**Question Number : 83 Question Id : 21052912453 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Survival and quantitative traits in silkworms are usually

1. co-dominant
2. co-dominant
3. directly proportional
4. inversely proportional

**Options :**

- 21052949089. 1
- 21052949090. 2
- 21052949091. 3
- 21052949092. 4

**Question Number : 84 Question Id : 21052912454 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Where are the premier Mulberry Sericulture R&D institutes under Central Silk Board located?

1. Ranchi and Mysore
2. Lahdoigarh and Bengaluru
3. Mysore, Bengaluru, Pampore and Berhampore
4. Mysore, Bengaluru and Berhampore

**Options :**

- 21052949093. 1
- 21052949094. 2
- 21052949095. 3
- 21052949096. 4

**Question Number : 85 Question Id : 21052912455 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

*Bombyx mori* in general is a

1. trimoulter
2. tetramoulter
3. pentamoulter
4. bimoulter

**Options :**

- 21052949097. 1
- 21052949098. 2
- 21052949099. 3
- 21052949100. 4

**Question Number : 86 Question Id : 21052912456 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

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

**Assertion A** : Silkworm has ten pairs of pseudolegs.

**Reason R** : Silk moth does not fly far.

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

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

**Options :**

- 21052949101. 1
- 21052949102. 2
- 21052949103. 3
- 21052949104. 4

**Question Number : 87 Question Id : 21052912457 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

Given below are two statements

Statement I: Silk fibroin is hydrophobic.

Statement II : Silk sericin is also hydrophobic.

Choose appropriate answer based on facts of silk protein :

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 and Statement II is true

**Options :**

- 21052949105. 1
- 21052949106. 2
- 21052949107. 3

21052949108. 4

**Question Number : 88 Question Id : 21052912458 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Ecdysone is secreted by

1. prothoracic gland
2. salivary gland
3. thyroid gland
4. pituitary gland

**Options :**

21052949109. 1

21052949110. 2

21052949111. 3

21052949112. 4

**Question Number : 89 Question Id : 21052912459 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Surface disinfection is carried out by

1. 2% chlorine
2. 5% bleaching powder
3. 1% iodine
4. 2% formalin

**Options :**

21052949113. 1

21052949114. 2

21052949115. 3

21052949116. 4

**Question Number : 90 Question Id : 21052912460 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Pepper spotting is the uncommon symptom of which silkworm disease?

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

**Options :**

21052949117. 1  
21052949118. 2  
21052949119. 3  
21052949120. 4

**Question Number : 91 Question Id : 21052912461 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

What is the sequence of symptom appearance in nuclear polyhedrosis caused by BmNPV?

- A. Fragile epidermis
- B. Shiny larval skin
- C. Swollen inter-segmental regions
- D. Milky haemolymph
- E. Loss of caudal pseudoleg adhesion property

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

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

**Options :**

21052949121. 1  
21052949122. 2  
21052949123. 3  
21052949124. 4

**Question Number : 92 Question Id : 21052912462 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

Sex-limited character in silkworm occurs due to

- 1. substitution
- 2. deletion
- 3. insertion
- 4. translocation

**Options :**

21052949125. 1  
21052949126. 2  
21052949127. 3  
21052949128. 4



**Question Number : 93 Question Id : 21052912463 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

Bed disinfectants dusted on silkworms to prevent contamination of disease causative organisms are

- A. Vijetha
- B. Labex
- C. Ankush
- D. Resham Keet Ousadh

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

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

**Options :**

- 21052949129. 1
- 21052949130. 2
- 21052949131. 3
- 21052949132. 4

**Question Number : 94 Question Id : 21052912464 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

Given below are two statements

Statement I: Uzi fly is an endoparasite of *Bombyx mori*.

Statement II : Uzi maggots pupate outside the silkworm body.

Choose appropriate answer based on facts of uzi fly lifecycle :

- 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 and Statement II is true

**Options :**

- 21052949133. 1
- 21052949134. 2

21052949135. 3

21052949136. 4

**Question Number : 95 Question Id : 21052912465 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Significant carbohydrate metabolism in *Bombyx mori* is

1. glucose
2. sucrose
3. fructose
4. amylase

**Options :**

21052949137. 1

21052949138. 2

21052949139. 3

21052949140. 4

**Question Number : 96 Question Id : 21052912466 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Sericin is bye-product of silk industry and could be utilized for

- A. food industry
- B. silk industry
- C. cosmetic industry
- D. oil industry

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

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

**Options :**

21052949141. 1

21052949142. 2

21052949143. 3

21052949144. 4

**Question Number : 97 Question Id : 21052912467 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Stem borer in Tasar food plant is

1. Weevil
2. Beetle
3. *Aelosthes holosericea*
4. Gall

**Options :**

- 21052949145. 1
- 21052949146. 2
- 21052949147. 3
- 21052949148. 4

**Question Number : 98 Question Id : 21052912468 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

One KAHAN refers to how many numbers of Tasar cocoons?

1. 400
2. 40000
3. 10000
4. 1280

**Options :**

- 21052949149. 1
- 21052949150. 2
- 21052949151. 3
- 21052949152. 4

**Question Number : 99 Question Id : 21052912469 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Cocoonase is a proteolytic enzyme secreted by pupae of silkworms for

1. spinning of silkworm
2. egg laying by moth
3. emergence and softening of shell
4. moulting of silkworm

**Options :**

- 21052949153. 1
- 21052949154. 2
- 21052949155. 3
- 21052949156. 4

**Question Number : 100 Question Id : 21052912470 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

What is the chromosome number of Tasar silkworm?

1.  $n=31$
2.  $n=32$
3.  $n=21$
4.  $n=44$

**Options :**

- 21052949157. 1
- 21052949158. 2
- 21052949159. 3
- 21052949160. 4

**Question Number : 101 Question Id : 21052912471 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

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

**Assertion A :** Spun silk is the only silk obtained from eri silk cocoon.

**Reason R :** Open ended eri cocoon does not allow reeling of silk filament.

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

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

**Options :**

- 21052949161. 1
- 21052949162. 2
- 21052949163. 3
- 21052949164. 4

**Question Number : 102 Question Id : 21052912472 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

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

<b>List I</b>	<b>List II</b>
A. Daba	I. Assam
B. Modal	II. Chhattisgarh
C. Railey	III. Odisha
D. Muga	IV. Jharkhand

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

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

**Options :**

- 21052949165. 1
- 21052949166. 2
- 21052949167. 3
- 21052949168. 4

**Question Number : 103 Question Id : 21052912473 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Muga silkworms are collected and transferred to the new plant at

1. night
2. afternoon
3. morning
4. evening

**Options :**

- 21052949169. 1
- 21052949170. 2
- 21052949171. 3
- 21052949172. 4

**Question Number : 104 Question Id : 21052912474 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Tropical Tasar silkworm is available in

- A. India
- B. China
- C. Sri Lanka
- D. Thailand

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

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

**Options :**

- 21052949173. 1
- 21052949174. 2
- 21052949175. 3
- 21052949176. 4

**Question Number : 105 Question Id : 21052912475 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

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

**Assertion A :** Hot water processing is must for reeling *Bombyx mori* silk.

**Reason R :** Complete degumming is possible with hot water.

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

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

**Options :**

- 21052949177. 1
- 21052949178. 2
- 21052949179. 3
- 21052949180. 4

**Question Number : 106 Question Id : 21052912476 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Given below are two statements

Statement I: Warp silk is usually silk yarn with relatively more strength.

Statement II: Any silk yarn could be used as weft.

Choose appropriate answer based on facts of silk fabric manufacturing :

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 and Statement II is true

**Options :**

- 21052949181. 1
- 21052949182. 2
- 21052949183. 3
- 21052949184. 4

**Question Number : 107 Question Id : 21052912477 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Geographical Indicator (GI) tag is available for which silk sarees?

- A. Mysore
- B. Pochampalli
- C. Murshidabad
- D. Bhagalpur

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

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

**Options :**

- 21052949185. 1
- 21052949186. 2
- 21052949187. 3
- 21052949188. 4

**Question Number : 108 Question Id : 21052912478 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

The price of cocoons in mulberry silk cocoon markets of Karnataka is determined by

1. number of cocoons per kilogram
2. cocoon quality
3. dynamic open auction of cocoon lots
4. individual cocoon weight

**Options :**

21052949189. 1

21052949190. 2

21052949191. 3

21052949192. 4

**Question Number : 109 Question Id : 21052912479 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Serigraph is used to measure which characteristics of silk fibre?

- A. Cleanliness
- B. Neatness
- C. Tenacity
- D. Elongation
- E. Renditta

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

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

**Options :**

21052949193. 1

21052949194. 2

21052949195. 3

21052949196. 4

**Question Number : 110 Question Id : 21052912480 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**



Classification of raw silk for silk testing and grading is

1. 20 denier and below, 20–30 denier and 31 denier and above
2. 18 denier and below, 19–33 denier and 34 denier and above
3. 22 denier and below, 22–32 denier and 33 denier and above
4. 16 denier and below, 16–36 denier and 37 denier and above

**Options :**

- 21052949197. 1
- 21052949198. 2
- 21052949199. 3
- 21052949200. 4

**Question Number : 111 Question Id : 21052912481 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Standard size of silk skein is

1. 1 m
2. 1.5 m
3. 1.25 m
4. 2 m

**Options :**

- 21052949201. 1
- 21052949202. 2
- 21052949203. 3
- 21052949204. 4

**Question Number : 112 Question Id : 21052912482 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

BIS in silk testing and grading stands for

1. Bureau of Indian Silk
2. Bureau of International Standards
3. Bureau of International Silk
4. Bureau of Indian Standards

**Options :**

- 21052949205. 1
- 21052949206. 2
- 21052949207. 3
- 21052949208. 4

**Question Number : 113 Question Id : 21052912483 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

Polyvoltine based silkworm hybrids are utilised primarily in

- A. Japan
- B. India
- C. China
- D. Thailand
- E. Vietnam

Choose the most appropriate answer from the options given below:

- 1. A, B and C
- 2. B, C, D and E
- 3. A, B and D
- 4. B, C and D

**Options :**

- 21052949209. 1
- 21052949210. 2
- 21052949211. 3
- 21052949212. 4

**Question Number : 114 Question Id : 21052912484 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 4 Wrong Marks : 1**

Group mother moth examination for Pebrine monitoring in silkworm seed production is developed by

- 1. Louis Pasteur
- 2. Steinhaus
- 3. Fujiwara
- 4. Liu Shixian

**Options :**

- 21052949213. 1
- 21052949214. 2
- 21052949215. 3
- 21052949216. 4

**Question Number : 115 Question Id : 21052912485 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Crossbreeds are produced by crossing

1. multivoltine × multivoltine
2. bivoltine × bivoltine
3. multivoltine × bivoltine
4. univoltine × bivoltine

**Options :**

21052949217. 1

21052949218. 2

21052949219. 3

21052949220. 4

**Question Number : 116 Question Id : 21052912486 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Hybrid silkworm seed is supplied in the form of loose eggs in *Bombyx mori*. What is the fixed egg number for 100 dfls in South India?

1. 40000
2. 60000
3. 10000
4. 50000

**Options :**

21052949221. 1

21052949222. 2

21052949223. 3

21052949224. 4

**Question Number : 117 Question Id : 21052912487 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Acid treatment of bivoltine silkworm eggs to break hibernation is conducted at which temperature?

1. 48 °C
2. 50 °C
3. 55 °C
4. 46 °C

**Options :**

21052949225. 1

21052949226. 2

21052949227. 3

21052949228. 4

**Question Number : 118 Question Id : 21052912488 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

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

<b>List I</b>	<b>List II</b>
A. Bivoltine Tasar Silkworm	I. Facultative hibernation
B. Bivoltine Mulberry silkworm	II. Pupal hibernation
C. Eri Silkworm	III. Egg hibernation
D. Muga Silkworm	IV. Non-diapause

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

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

**Options :**

21052949229. 1

21052949230. 2

21052949231. 3

21052949232. 4

**Question Number : 119 Question Id : 21052912489 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

Mandate of National Silkworm Seed Organisation (NSSO) is to produce which type of silkworm seed?

- A. Muga
- B. Eri
- C. Tasar
- D. Mulberry

Choose the most appropriate answer from the options given below:

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

**Options :**

- 21052949233. 1
- 21052949234. 2
- 21052949235. 3
- 21052949236. 4

**Question Number : 120 Question Id : 21052912490 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 4 Wrong Marks : 1**

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

**Assertion A :** Bivoltine silkworm rearing is possible throughout the year in India.

**Reason R :** Acid treatment of eggs renders breakage of diapause.

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

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

**Options :**

- 21052949237. 1
- 21052949238. 2
- 21052949239. 3
- 21052949240. 4