

National Testing Agency

Question Paper Name: Biology of the silkworm Bombyx mori 09th November 2019 Shift 1
Subject Name: Biology of the silkworm Bombyx mori
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Biology of the silkworm Bombyx mori

Group Number : 1
Group Id : 709597101
Group Maximum Duration : 0
Group Minimum Duration : 120
Revisit allowed for view? : No
Revisit allowed for edit? : No
Break time: 0
Group Marks: 100

Biology of the silkworm Bombyx mori

Section Id : 709597102
Section Number : 1
Section type : Online
Mandatory or Optional: Mandatory
Number of Questions: 100
Number of Questions to be attempted: 100
Section Marks: 100
Display Number Panel: Yes
Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 709597111
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 7095979967 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Non-mulberry sericigenous fauna belonging to the family

- a) Bombycidae
- b) Eulophidae
- c) Permistidae
- d) Saturniidae

Question Number : 2 Question Id : 7095979968 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Tasar silk is mentioned in literature dating back to

- a) 1590 B.C.
- b) 1690 B.C.
- c) 1790 B.C.
- d) 1890 B.C.

Question Number : 3 Question Id : 7095979969 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Scientific name of mulberry silkworm

- a) *Antheraea mylitta*
- b) *Antheraea assama*
- c) *Bombyx mori*
- d) *Philosamia ricini*

Question Number : 4 Question Id : 7095979970 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The scientific name of chinese temperate tasar silkworm is

- a) *A. mylitta*
- b) *A. pernyi*
- c) *A. yamamai*
- d) *A. proylei*

Question Number : 5 Question Id : 7095979971 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Mulberry silk is produced by _____ on mulberry leaves.

- a) *Bombyx mori*
- b) *Antheraea mylitta*
- c) *Antheraea assamensis*
- d) *Samia Cynthia*

Question Number : 6 Question Id : 7095979972 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

95% of commercial silk produced in India is by _____

- a) Multivoltine female x bivoltine male
- b) Multivoltine female x multivoltine male
- c) Bivoltine female x bivoltine male
- d) Bivoltine female x multivoltine male

Question Number : 7 Question Id : 7095979973 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The cocoons are harvested on the _____.

- a) 7th or 8th
- b) 3rd or 4th
- c) 5th or 6th
- d) 9th or 10th

Question Number : 8 Question Id : 7095979974 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Specialized pollen-carrying structure "scopa" of bees are situated in

- a) Hind legs
- b) Lower abdomen
- c) Both (a) and (b)
- d) None of these

Question Number : 9 Question Id : 7095979975 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The most important pollinating insects is _____

- a) Honey bees
- b) Leaf cutter bees
- c) Bumble bees
- d) Orchard mason bees

Question Number : 10 Question Id : 7095979976 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Bubonic plague is transmitted by

- a) Black fly
- b) Tsetse fly
- c) Rat flea
- d) Mosquito

Question Number : 11 Question Id : 7095979977 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The "Royal Jelly" is secreted by

- a) Worker bee
- b) Drone bee
- c) Queen bee
- d) None of the above

Question Number : 12 Question Id : 7095979978 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

An animal that feed upon the other animals for its food

- a) Pathogen
- b) Predator
- c) Pest
- d) None of these

Question Number : 13 Question Id : 7095979979 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Non-reproductive females in the hive

- a) Worker bees
- b) Queen bees
- c) Drones
- d) None of these

Question Number : 14 Question Id : 7095979980 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Smallest unit of the taxonomy is

- a) Division
- b) Phylum
- c) Family
- d) Species

Question Number : 15 Question Id : 7095979981 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Silkworm *Bombyx mori* L. is belong to the order

- a) Lepidoptera
- b) Hymenoptera
- c) Diptera
- d) Orthoptera

Question Number : 16 Question Id : 7095979982 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Example for Hemitropic viviparity is

- a) Lizards and mammals
- b) Silk moth
- c) Cockroach
- d) Fish

Question Number : 17 Question Id : 7095979983 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Largest class in animal kingdom is _____.

- a) Nematoda
- b) Insecta
- c) Cestoda
- d) Turbellaria

Question Number : 18 Question Id : 7095979984 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Endopterygota contains

- a) Moderate yolk
- b) More yolk
- c) Less yolk
- d) None of the above

Question Number : 19 Question Id : 7095979985 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

At the time of oviposition, the egg cytoplasm forms a bounding layer called.

- a) Nucleus
- b) Germ plasm
- c) Periplasm
- d) Yolk

Question Number : 20 Question Id : 7095979986 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Hemiptera species have what type of ovarioles.

- a) Telotrophic
- b) Panoistic
- c) Paired
- d) All the above

Question Number : 21 Question Id : 7095979987 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Sperm enters egg through

- a) Chorion
- b) Micropyle
- c) Serosa
- d) All the above

Question Number : 22 Question Id : 7095979988 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Amnion layer in silkworm egg is derived from the margin of

- a) Cleavage
- b) Serosa
- c) Blastoderm
- d) Germ band

Question Number : 23 Question Id : 7095979989 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In *Bombyx mori*, the process of germ band formation is completed by

- a) 10 h of oviposition
- b) 20 h of oviposition
- c) 30 h of oviposition
- d) 40 h of oviposition

Question Number : 24 Question Id : 7095979990 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Number of abdominal segments visible in *Bombyx mori* at 72 – 96 h of oviposition is

- a) 8
- b) 9
- c) 10
- d) 11

Question Number : 25 Question Id : 7095979991 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

During embryogenesis, body pigmentation in silkworm egg is appears at

- a) 5th day of oviposition
- b) 7th day of oviposition
- c) 9th day of oviposition
- d) 11th day of oviposition

Question Number : 26 Question Id : 7095979992 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Insects are classified under the Phylum _____.

- a) Prolifera
- b) Annelida
- c) Chordata
- d) Arthropoda

Question Number : 27 Question Id : 7095979993 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Insects' body is divided in to _____ regions.

- a) 3
- b) 5
- c) 7
- d) 9

Question Number : 28 Question Id : 7095979994 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Lepidoptera means, wings with _____.

- a) Scent glands
- b) Scales
- c) Veins
- d) Cross veins

Question Number : 29 Question Id : 7095979995 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The body weight is more in the larvae of _____.

- a) Indian race
- b) European race
- c) Japanese race
- d) All the above

Question Number : 30 Question Id : 7095979996 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The _____ increase in number through cell division without enlargement of cells.

- a) Haemocytes
- b) Malpighan tubules
- c) Unoperated body
- d) Gonad

Question Number : 31 Question Id : 7095979997 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In hemimetabolous insects, immature stages are called _____

- a) Grabs
- b) Nymphs
- c) Adults
- d) Pupa

Question Number : 32 Question Id : 7095979998 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ cells in an insect's brain secrete a hormone.

- a) Neurosecretory
- b) Ecdysis
- c) Moulting
- d) All the above

Question Number : 33 Question Id : 7095979999 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

CSR₂ is a

- a) Multivoltine race
- b) Bivoltine race
- c) Univoltine race
- d) None of these

Question Number : 34 Question Id : 70959710000 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

CSR& TI stand for

- a) Central Sericulture Research and Training Institute
- b) Central Silkworm seed Research and Technological Institute
- c) Central Silkworm seed Research and Training Institute
- d) Central Silk Research and Training Institute

Question Number : 35 Question Id : 70959710001 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Bivoltine cocoon is

- a) Golden yellow colour
- b) Yellow colour
- c) Green colour
- d) White colour

Question Number : 36 Question Id : 70959710002 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Insects belong to the class _____.

- a) Arachnida
- b) Hexapoda
- c) Crustacea
- d) Diplopoda

Question Number : 37 Question Id : 70959710003 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In the word Arthropoda, poda refers to _____.

- a) Legs
- b) Antennae
- c) Abdomen
- d) Thorax

Question Number : 38 Question Id : 70959710004 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Pupae of butterfly are known as _____.

- a) Cocoon
- b) Obtect
- c) Chrysalis
- d) All of the above

Question Number : 39 Question Id : 70959710005 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Mulberry silkworm *Bombyx mori* passes through _____ morphologically different stages.

- a) One
- b) Two
- c) Three
- d) Four

Question Number : 40 Question Id : 70959710006 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The colour of the silk worm eggs change to _____ when they enter into diapause.

- a) Blue
- b) Pale yellow
- c) Deep brown
- c) Deep yellow

Question Number : 41 Question Id : 70959710007 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The protective covering of the egg is called _____

- a) Cuticulin
- b) Chorion
- c) Chitin
- d) None of the above

Question Number : 42 Question Id : 70959710008 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In silkworm larva abdomen is formed by _____ segments.

- a) 3
- b) 11
- c) 9
- d) 6

Question Number : 43 Question Id : 70959710009 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In silk moth each leg possess _____ segments.

- a) 5
- b) 3
- b) 9
- c) 11

Question Number : 44 Question Id : 70959710010 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Integument of the silkworm covered with a substance called

- a) Chitin
- b) Pectin
- c) Membrane
- d) Cutine

Question Number : 45 Question Id : 70959710011 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Removal of old skin and formation of new skin is referred as

- a) Apolysis
- b) Metamorphosis
- c) Sclerotization
- d) Moulting

Question Number : 46 Question Id : 70959710012 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Silk moth is a

- a) Endopterygota
- b) Apterigota
- c) Exopterygota
- d) None of these

Question Number : 47 Question Id : 70959710013 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The inner side of the primary and secondary cuticle, there is a layer of _____.

- a) Epidermal cells
- b) Endodermal cells
- c) Mesodermal cells
- d) none of the above

Question Number : 48 Question Id : 70959710014 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Sclerotization means.

- a) Hardening of Yolk
- b) Hardening of chorion
- c) Hardening of cuticle
- d) None of the above

Question Number : 49 Question Id : 70959710015 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Golgi complexes and the plasma membrane plaques, whose activities alternate to create.

- a) Tannin
- b) Wax
- c) Old cuticle
- d) New cuticle

Question Number : 50 Question Id : 70959710016 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Cuticle is digested by _____ enzymes.

- a) Proteinases
- b) Chitinases
- c) Amylase
- d) Both a) and b)

Question Number : 51 Question Id : 70959710017 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

PTG stands for

- a) Prothoracic glands
- b) Photo thoracic glands
- c) Prethoracic glands
- d) None of these

Question Number : 52 Question Id : 70959710018 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Each Corpus allatum is composed of

- a) 16-18 cells
- b) 18-20 cells
- c) 20-22 cells
- d) 21-25 cells

Question Number : 53 Question Id : 70959710019 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Moulting glands are present below the

- a) Larval skin
- b) Pupal skin
- c) Adult skin
- d) None of these

Question Number : 54 Question Id : 70959710020 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In insects nutrition is required for

- a) Growth
- b) Development
- c) Reproduction
- d) All the above

Question Number : 55 Question Id : 70959710021 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In insects proteins are used for structural purposes as

- a) Enzymes
- b) For transport
- c) Storage, and receptor molecules
- d) All the above

Question Number : 56 Question Id : 70959710022 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In insects, Amino acids are required for the production of _____.

- a) Tannin
- b) Wax
- c) Protein
- d) New cuticle

Question Number : 57 Question Id : 70959710023 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Metabolism in muscle cells is specifically concerned with production of large amounts of energy, in the form of

- a) NADP
- b) DTP
- c) ATP
- d) None of the above

Question Number : 58 Question Id : 70959710024 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Large amounts of fat also accumulate in the egg during

- a) Egg laying
- b) Embryogenesis
- c) Vitellogenesis
- d) All the above

Question Number : 59 Question Id : 70959710025 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

pH of Haemolymph in insects ranges from

- a) 6.4-6.8
- b) 7
- c) 10
- d) 5-6

Question Number : 60 Question Id : 70959710026 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Fluid plasma consists of

- a) Blood cells
- b) Haemocytes
- c) Organic compound
- d) Both a and b

Question Number : 61 Question Id : 70959710027 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Amino acid concentration in haemolymph of insects rise after _____

- a) Feeding
- b) Drinking
- c) Both a) and b)
- d) None of the above

Question Number : 62 Question Id : 70959710028 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ type of blood circulation in insects

- a) Closed type
- b) Open type
- c) Pulse type
- d) All the above

Question Number : 63 Question Id : 70959710029 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Blood occupying the body cavity of insects is known as

- a) Open blood
- b) Sinuses
- c) Diaphragms
- d) Haemocoel

Question Number : 64 Question Id : 70959710030 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Aristate antenna are seen in

- a) Butterflies
- b) House flies
- c) Ants
- d) None of these

Question Number : 65 Question Id : 70959710031 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Antennary muscles are present in

- a) Antennae
- b) Maxillae
- c) Labium
- d) Mandibles

Question Number : 66 Question Id : 70959710032 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Setaceous Antenna are seen in

- a) Butterflies
- b) Bees
- c) Dragonflies
- d) Ants

Question Number : 67 Question Id : 70959710033 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Transmission of incoming signal to nervous system is through

- a) Visual
- b) Mechanical
- c) Chemical
- d) All the above

Question Number : 68 Question Id : 70959710034 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The synaptic interaction of one neuron with another neuron mediated by a neurotransmitter known as

- a) Vitamin C
- b) o-quinone
- c) Lactose
- d) Neuromodulators

Question Number : 69 Question Id : 70959710035 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

PTTH is secreted by

- a) Neurosecretory cells
- b) Prothoracic gland
- c) Supra oesophageal ganglion
- d) None of these

Question Number : 70 Question Id : 70959710036 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Diapausing hormone is secreted by

- a) Prothoracic gland
- b) Corpora cardiac
- c) Brain
- d) Sub oesophageal ganglion

Question Number : 71 Question Id : 70959710037 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Silkworm *Bombyx mori* L. belong to

- a) Hemimetabolous
- b) Hypermetabolous
- c) Holometabolous
- d) None of these

Question Number : 72 Question Id : 70959710038 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Physiological, developmental and/or behavioral activities in insects are regulated by

- a) Vitamins
- b) Proteins
- c) Hormones
- d) Enzymes

Question Number : 73 Question Id : 70959710039 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Juvenile hormone is produced by

- a) Corpora allata
- b) Sub-oesophageal glands
- c) Prothoracic glands
- d) Corpora cardiac

Question Number : 74 Question Id : 70959710040 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The shape of the neurosecretory cells in the sub-oesophageal ganglion is

- a) Elliptic
- b) Spherical
- c) Cone
- d) Rectangular

Question Number : 75 Question Id : 70959710041 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Humoral encapsulation occurs without the involvement of

- a) Systole
- b) Haemocyts
- c) Proteins
- d) Harmones

Question Number : 76 Question Id : 70959710042 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Bacteria, Fungi and Nematodes encapsulated by

- a) Humoral encapsulation
- b) Encapsulation
- c) Hemocyts
- d) Phagocytosis

Question Number : 77 Question Id : 70959710043 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Insect connective tissues contain

- a) Haemocyts
- b) Proteins
- c) Collegen fibers
- d) All the above

Question Number : 78 Question Id : 70959710044 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Size of the Tracheoles is

- a) 1 μm diameter
- b) 2 μm diameter
- c) 5 μm diameter
- d) 10 μm diameter

Question Number : 79 Question Id : 70959710045 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Thickness of intima of Tracheoles is

- a) 20-27nm
- b) 16-20nm
- c) 8-9 nm
- d) None of the above

Question Number : 80 Question Id : 70959710046 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The distribution and abundance of tracheae and tracheoles reflects the demand of

- a) Blood
- b) Gas
- c) Water
- d) Oxygen

Question Number : 81 Question Id : 70959710047 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Malpighian tubles of insect present in

- a) Heart
- b) Junction of midgut and hindgut
- c) Brain
- d) digestive system

Question Number : 82 Question Id : 70959710048 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Length of malpighian tubules in insect ranges from

- a) 2-100mm
- b) 7-50 mm
- c) 10-20mm
- d) 5-6mm

Question Number : 83 Question Id : 70959710049 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which appears to be associated with ionic uptake of secretion?

- a) Sodium
- b) Chloride
- c) Phosphate
- d) Ileum and rectum

Question Number : 84 Question Id : 70959710050 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The diet of herbivores is deficient in

- a) Water
- b) Iron
- c) Sodium
- d) All the above

Question Number : 85 Question Id : 70959710051 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The perinephric membrane is impermeable to

- a) Enzyme
- b) Salt
- c) Water
- d) All the above

Question Number : 86 Question Id : 70959710052 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The cryptonephridial arrangement is present in

- a) Malpighian tubules
- b) Gut
- c) Brain
- d) Rectum

Question Number : 87 Question Id : 70959710053 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ is the organ of storage of food.

- a) Oesophagus
- b) Pharynx
- c) Mouth cavity
- d) Fore sphincter

Question Number : 88 Question Id : 70959710054 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The heart is attached to the body wall by eight pairs of _____

- a) Aorta
- b) Alary muscles
- c) Cardiac valve
- d) Pyloric valve

Question Number : 89 Question Id : 70959710055 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

ATP stands for

- a) Adenosine tetra phosphate
- b) Adenosine tetra pentose sugar
- c) Adenosine tri phosphate
- d) None of these

Question Number : 90 Question Id : 70959710056 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Muscle fibers contain

- a) Group of tissues
- b) Group of fibrils
- c) Group of proteins
- d) Group of organs

Question Number : 91 Question Id : 70959710057 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Volitinism refers to

- a) Number of generations / 1 year
- b) Number of generations / 1 month
- c) Number of generations / 10 months
- d) Number of generations / week

Question Number : 92 Question Id : 70959710058 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The prothoracic glands are stimulated by

- a) Corpora allatum
- b) Suboesophageal ganglion
- c) Corpora cardiacum
- d) Thoracic ganglion

Question Number : 93 Question Id : 70959710059 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Endocrine glands refers to

- a) Duct glands
- b) Ductless glands
- c) Tube glands
- d) Direct glands

Question Number : 94 Question Id : 70959710060 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Moulting refers to

- a) Removal of old skin
- b) Chitinization of body
- c) Removal of new skin
- d) Softening of body

Question Number : 95 Question Id : 70959710061 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The activity of prothoracic glands is controlled by

- a) Prothorax
- b) Sub-oesophageal ganglion
- c) Brain
- d) Corpus allatum

Question Number : 96 Question Id : 70959710062 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

_____ region of silk gland secretes fibroin

- a) Anterior
- b) Middle
- c) Posterior
- d) Spinneret

Question Number : 97 Question Id : 70959710063 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The posterior region of the silk gland approximately made up of _____ number of cells

- a) 100
- b) 200
- c) 250
- d) 500

Question Number : 98 Question Id : 70959710064 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The percentage of carbon in fibroin is

- a) 25
- b) 19
- c) 6.23
- d) 48.80

Question Number : 99 Question Id : 70959710065 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The silk moth has a pair of _____ eyes

- a) Simple
- b) Cellular
- c) Compound
- d) Ocelli

Question Number : 100 Question Id : 70959710066 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The dorsal blood vessel of the adult is _____

- a) Longer
- b) Thinner
- c) Thicker
- d) Shorter