

National Testing Agency

Question Paper Name :	Nematology 17th September Shift 2
Subject Name :	Nematology
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Duration :	120
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Display Marks:	Yes

Nematology

Group Number :	1
Group Id :	19088979
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 :	190889161
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory

Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	80
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	190889201
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 1908898782 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is the device used to measure the power and speed of the wind?

1. Avometer
2. Anemometer
3. Airometer
4. Aviontimeter

Options :

19088935021. 1
19088935022. 2
19088935023. 3
19088935024. 4

Question Number : 2 Question Id : 1908898783 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Optical fibre used the concept of which of the following?

1. Reflection
2. Refraction
3. Total internal reflection
4. Total internal refraction

Options :

- 19088935025. 1
- 19088935026. 2
- 19088935027. 3
- 19088935028. 4

Question Number : 3 Question Id : 1908898784 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Yellow vein mosaic is the viral disease of which of the following plants?

- 1. Ladyfinger
- 2. Papaya
- 3. Sugarcane
- 4. Banana

Options :

- 19088935029. 1
- 19088935030. 2
- 19088935031. 3
- 19088935032. 4

Question Number : 4 Question Id : 1908898785 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following organ(s) is affected by Mumps disease?

- 1. Entire body
- 2. Skin
- 3. Eye
- 4. Parotid

Options :

- 19088935033. 1
- 19088935034. 2
- 19088935035. 3

19088935036. 4

Question Number : 5 Question Id : 1908898786 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is the chemical name of vitamin B₂?

1. Riboflavin
2. Calciferol
3. Pyridoxin
4. Niacin

Options :

19088935037. 1

19088935038. 2

19088935039. 3

19088935040. 4

Question Number : 6 Question Id : 1908898787 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is not the input unit of the computer?

1. Mouse
2. Keyboard
3. Screen
4. Scanner

Options :

19088935041. 1

19088935042. 2

19088935043. 3

19088935044. 4

Question Number : 7 Question Id : 1908898788 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The digital computer operates on which of the following principle?

1. Measurement
2. Calculation
3. Logical
4. Electrification

Options :

19088935045. 1

19088935046. 2

19088935047. 3

19088935048. 4

Question Number : 8 Question Id : 1908898789 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The non-cooperation movement of Gandhiji was launched in which of the following year?

1. 1915
2. 1922
3. 1920
4. 1930

Options :

19088935049. 1

19088935050. 2

19088935051. 3

19088935052. 4

Question Number : 9 Question Id : 1908898790 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

An Islamic revivalist movement named Wahabi movement was founded by which of the following person?

1. Sian Saheb
2. Syed Ahmed
3. Haji Shariat-Allah
4. DaduMian

Options :

19088935053. 1

19088935054. 2

19088935055. 3

19088935056. 4

Question Number : 10 Question Id : 1908898791 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is considered as the “Magna Carta of England Education in India”?

1. Hunter education commission
2. Lord Macaulay’s Minute
3. Wood’s Despatch
4. Thomas Babington Macaulay

Options :

19088935057. 1

19088935058. 2

19088935059. 3

19088935060. 4

Question Number : 11 Question Id : 1908898792 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following nutrient does not come under the ambit of 'macro-nutrients in Soil Health Card?

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

Options :

19088935061. 1

19088935062. 2

19088935063. 3

19088935064. 4

Question Number : 12 Question Id : 1908898793 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Cole crops, root crops and legumes come under the ambit of which of the following?

1. Olericulture
2. Pomology
3. Viticulture
4. Arboriculture

Options :

19088935065. 1

19088935066. 2

19088935067. 3

19088935068. 4

Question Number : 13 Question Id : 1908898794 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The study of individual trees, shrubs, vines, and perennial woody plants is known as which of the following?

1. Turf management
2. Arboriculture
3. Pomology
4. Viticulture

Options :

19088935069. 1

19088935070. 2

19088935071. 3

19088935072. 4

Question Number : 14 Question Id : 1908898795 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The ministry is implementing MIDH (Mission for Integrated Development of Horticulture) with effect from which of the following year?

1. 2012-13
2. 2019-20
3. 2015-16
4. 2014-15

Options :

19088935073. 1

19088935074. 2

19088935075. 3

19088935076. 4

Question Number : 15 Question Id : 1908898796 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The interaction of soils with living things, particularly plants are well known as which of the following?

1. Edaphology
2. Pedology
3. Soil zoology
4. Pedogenesis

Options :

19088935077. 1

19088935078. 2

19088935079. 3

19088935080. 4

Question Number : 16 Question Id : 1908898797 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following systems has also incorporated social aspects in itself?

1. Landscaping
2. Permaculture
3. Horticulture
4. Forest gardening

Options :

19088935081. 1

19088935082. 2

19088935083. 3

19088935084. 4

Question Number : 17 Question Id : 1908898798 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

What do you term the phenomenon whereby the specific gene is added to the plant for producing a desirable phenotype?

1. Genetic manipulation
2. Genetic recombination
3. Genetic modification
4. Genetic hybridisation

Options :

19088935085. 1

19088935086. 2

19088935087. 3

19088935088. 4

Question Number : 18 Question Id : 1908898799 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

What is the focus of the participatory plant breeding program?

1. Scientists
2. Plants
3. Environment
4. Farmers

Options :

19088935089. 1

19088935090. 2

19088935091. 3

19088935092. 4

Question Number : 19 Question Id : 1908898800 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

How do you term the form of agriculture, in which, industrialized production of crops and animal products takes place?

1. Manufactured agriculture
2. Modern agriculture
3. Industrial agriculture
4. Mechanistic agriculture

Options :

19088935093. 1

19088935094. 2

19088935095. 3

19088935096. 4

Question Number : 20 Question Id : 1908898801 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Micro-irrigation fund of Rs. 5,000 crore has been placed with which of the following organization?

1. NABARD
2. IDBI
3. SBI
4. RRBs

Options :

19088935097. 1

19088935098. 2

19088935099. 3

19088935100. 4

Part B Core : Crop Sciences-II

Section Id : 190889162

Section Number : 2

Section type : Online

Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	190889202
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 1908898802 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Crown gall disease of plant is caused by *Agrobacterium tumefaciens*

Statement II: Ti-plasmid contains T-DNA where it integrates into the nuclear genome

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 :

19088935101. 1

19088935102. 2

19088935103. 3

19088935104. 4

Question Number : 22 Question Id : 1908898803 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. Apothecium	I. A group of conidiophores cemented together
B. Cleistothecium	II. A closed ascocarp with a pore at top
C. Synnema	III. A completely closed ascocarp
D. Perithecium	IV. An open ascocarp

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

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

Options :

19088935105. 1

19088935106. 2

19088935107. 3

19088935108. 4

Question Number : 23 Question Id : 1908898804 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

For the first time, copper sulphate was used as wheat seed treatment to control

1. Smut
2. Bunt
3. Yellow rot
4. Rust

Options :

19088935109. 1

19088935110. 2

19088935111. 3

19088935112. 4

Question Number : 24 Question Id : 1908898805 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: *Candidatus phytoplasma* is a wall-less prokaryote transmitted by leaf hopper

Statement II: *Candidatus phytoplasma* is highly sensitive to tetracycline antibiotic

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 :

19088935113. 1

19088935114. 2

19088935115. 3

19088935116. 4

Question Number : 25 Question Id : 1908898806 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Non-edible oyster mushroom is

1. *Pleurotus ostreatus*
2. *Pleurotus citrinopileatus*
3. *Pleurotus salmoneo*
4. *Pleurotus olearius*

Options :

19088935117. 1

19088935118. 2

19088935119. 3

19088935120. 4

Question Number : 26 Question Id : 1908898807 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The cell wall composition of oomycetes fungi is

1. Chitin
2. Cellulose
3. Glycogen
4. Chitosan

Options :

19088935121. 1

19088935122. 2

19088935123. 3

19088935124. 4

Question Number : 27 Question Id : 1908898808 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The term "Pathovar" is used in the taxonomy of plant pathogens belonging to

1. Mycoplasma
2. Fungi
3. Nematodes
4. Bacteria

Options :

19088935125. 1

19088935126. 2

19088935127. 3

19088935128. 4

Question Number : 28 Question Id : 1908898809 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. <i>Illeis cincta</i>	I. Wheat rust
B. <i>Brevenia rehi</i>	II. Plant viruses
C. IARI Regional Station, Pune	III. Stunted paddy in circular patches
D. IARI Regional Station, Wellington	IV. Mycophagous

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

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

Options :

19088935129. 1

19088935130. 2

19088935131. 3

19088935132. 4

Question Number : 29 Question Id : 1908898810 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. Tabtoxin	I. <i>Alternaria alternate</i>
B. Tentoxin	II. <i>Cochiobolus carbonum</i>
C. H C-Toxin	III. <i>Pseudomonas syringae</i>
D. P C-Toxin	IV. <i>Periconia circinta</i>

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

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

Options :

19088935133. 1

19088935134. 2

19088935135. 3

19088935136. 4

Question Number : 30 Question Id : 1908898811 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Aphid transmitted non-persistent virus is

A. Afamovirus

B. Nanovirus

C. Fabavirus

D. Potyvirus

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

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

Options :

19088935137. 1

19088935138. 2

19088935139. 3

19088935140. 4

Question Number : 31 Question Id : 1908898812 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Leaf streak disease of rice is caused by Xanthomonas oryzae.

Statement II: Leaf streak disease is a vascular disease.

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 :

19088935141. 1

19088935142. 2

19088935143. 3

19088935144. 4

Question Number : 32 Question Id : 1908898813 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Salicylic acid reacts with two major H_2O_2 -scavenging plant enzymes

- A. Catalase
- B. Ascorbate peroxidase
- C. Aconitase
- D. Cellulase

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

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

Options :

19088935145. 1

19088935146. 2

19088935147. 3

19088935148. 4

Question Number : 33 Question Id : 1908898814 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Aflatoxin in peanuts is caused by

1. *Aspergillus niger*
2. *Aspergillus fumigatus*
3. *Aspergillus flavus*
4. *Aspergillus nidulans*

Options :

19088935149. 1

19088935150. 2

19088935151. 3

19088935152. 4

Question Number : 34 Question Id : 1908898815 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Fungal pathogen produces enzyme to degrade cuticular wax

1. *Alternaria solani*
2. *Colletotrichum capsici*
3. *Puccinia hordei*
4. *Albugo nidulans*

Options :

19088935153. 1

19088935154. 2

19088935155. 3

19088935156. 4

Question Number : 35 Question Id : 1908898816 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: *Rhabditis plectus* and *Wilsonema otophorum* are entomopathogenic

Statement II: *Steinernema* and *Heterorhabditis* are entomopathogenic

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 :

19088935157. 1

19088935158. 2

19088935159. 3

19088935160. 4

Question Number : 36 Question Id : 1908898817 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Triethanolamine formalin is used as fixative to fix

1. Nematodes
2. Immature insects
3. Mites
4. Fish embryo

Options :

19088935161. 1

19088935162. 2

19088935163. 3

19088935164. 4

Question Number : 37 Question Id : 1908898818 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Following is characterized by having ribbed bursa

1. *Ditylenchus dipsaci*
2. *Helicotylenchus dihystra*
3. *Aphelenchus avenae*
4. *Pratylenchus penetrans*

Options :

19088935165. 1

19088935166. 2

19088935167. 3

19088935168. 4

Question Number : 38 Question Id : 1908898819 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: *Mononchus*, *Dorylaimus* and *Actimolaimus* are predatory soil inhabiting nematodes

Statement II: *Belonolaimus*, *Dolichodorus* and *Trichodorus* are plant parasite nematodes

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

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

Options :

19088935169. 1

19088935170. 2

19088935171. 3

19088935172. 4

Question Number : 39 Question Id : 1908898820 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Nurse cells at feeding site are induced by

1. *Tylenchuhus semipenetrans*
2. *Rotylenchulus reniformis*
3. *Heterodera avenae*
4. *Pratylenchus subpenetrans*

Options :

19088935173. 1

19088935174. 2

19088935175. 3

19088935176. 4

Question Number : 40 Question Id : 1908898821 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. Ufra	I. <i>Heterodera</i>
B. Cyst	II. <i>Meloidogyne</i>
C. Gall	III. <i>Dorylaimus</i>
D. Soil inhabitant	IV. <i>Ditylenchus</i>

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

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

Options :

19088935177. 1

19088935178. 2

19088935179. 3

19088935180. 4

Question Number : 41 Question Id : 1908898822 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Predatory soil nematodes act as a biocontrol agents against plant parasitic nematodes

Statement II: *Pratylenchus* and *Radopholus* are ectoparasitic on plant roots

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 :

19088935181. 1

19088935182. 2

19088935183. 3

19088935184. 4

Question Number : 42 Question Id : 1908898823 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Plants infected by *Meloidogyne incognita*, present above ground symptoms as

- A. Water and nutrient stress
- B. Hypertrophy and Hyperplasia
- C. Wilting and stunting
- D. Yellowing of plant

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

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

Options :

19088935185. 1

19088935186. 2

19088935187. 3

19088935188. 4

Question Number : 43 Question Id : 1908898824 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Heterodera avenae is an important pest of

1. Maize and sorghum
2. Pigeon pea, and Chickpea
3. Wheat and barley
4. Rice and Ragi

Options :

19088935189. 1

19088935190. 2

19088935191. 3

19088935192. 4

Question Number : 44 Question Id : 1908898825 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Scutellonema bradys is a pest of

1. Potato
2. Yam
3. Cowpea
4. Grapevine

Options :

19088935193. 1

19088935194. 2

19088935195. 3

19088935196. 4

Question Number : 45 Question Id : 1908898826 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

First plant parasite nematode, *Angutina tritici* was named *Vibrio tritici* by J.T. Needham in the year

1. 1853
2. 1743
3. 1756
4. 1734

Options :

19088935197. 1

19088935198. 2

19088935199. 3

19088935200. 4

Question Number : 46 Question Id : 1908898827 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. Mites in cotton	I. 1-2 nymphs/adults per leaf
B. Thrips in cotton	II. 10/cm per leaf
C. Whitefly in cotton	III. 5-10 per leaf
D. Aphids in cotton	IV. 15-20% of plants infested

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

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

Options :

19088935201. 1

19088935202. 2

19088935203. 3

19088935204. 4

Question Number : 47 Question Id : 1908898828 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The enzyme involved in melanogenesis is

1. Tyrosinase
2. Protenase
3. Lipase
4. Cellulase

Options :

19088935205. 1

19088935206. 2

19088935207. 3

19088935208. 4

Question Number : 48 Question Id : 1908898829 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: The interval between the moulting is known as instar

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

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 :

19088935209. 1

19088935210. 2

19088935211. 3

19088935212. 4

Question Number : 49 Question Id : 1908898830 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which vitamins are essential to insects?

1. Vitamin A & E
2. Vitamin B & D
3. Vitamin A & C
4. Vitamin C & D

Options :

19088935213. 1

19088935214. 2

19088935215. 3

19088935216. 4

Question Number : 50 Question Id : 1908898831 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is called obligate symbiosis?

1. Commensalism
2. Mutualism
3. Proto co-operation
4. Amensalism

Options :

19088935217. 1

19088935218. 2

19088935219. 3

19088935220. 4

Question Number : 51 Question Id : 1908898832 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which caste of the termite causes damage to crops?

1. King
2. Queen
3. Worker
4. Soldier

Options :

19088935221. 1

19088935222. 2

19088935223. 3

19088935224. 4

Question Number : 52 Question Id : 1908898833 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

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

Options :

19088935225. 1

19088935226. 2

19088935227. 3

19088935228. 4

Question Number : 53 Question Id : 1908898834 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Gas released from aluminium phosphide depletes ozone layer

Statement II: Gas released from methyl bromide does not deplete ozone layer

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

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

Options :

19088935229. 1

19088935230. 2

19088935231. 3

19088935232. 4

Question Number : 54 Question Id : 1908898835 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The droplet size in aerosol spray is

1. $>500\mu$
2. $300-500\mu$
3. $100-300\mu$
4. $<60\mu$

Options :

19088935233. 1

19088935234. 2

19088935235. 3

19088935236. 4

Question Number : 55 Question Id : 1908898836 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. Orifice plate	I. Prevents debris entering the orifice
B. Whirl plate	II. Prevents leakage
C. Spacer	III. Regulate the flow rate
D. Strainer	IV. Rotates the fluid

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

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

Options :

19088935237. 1

19088935238. 2

19088935239. 3

19088935240. 4

Question Number : 56 Question Id : 1908898837 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Field coverage of soil injecting gun (2lit cap) in case of nematicidal fumigant application is

1. 0.5 ha
2. 1.0 ha
3. 1.5 ha
4. 2.0 ha

Options :

19088935241. 1

19088935242. 2

19088935243. 3

19088935244. 4

Question Number : 57 Question Id : 1908898838 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. Bromadiolone	I. Contact and stomach poison
B. Sulphur	II. Contact and fumigant
C. Malathion	III. Contact poison
D. Dichlorvos	IV. Anticoagulant

Choose the correct answer from the options given below:

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

Options :

19088935245. 1

19088935246. 2

19088935247. 3

19088935248. 4

Question Number : 58 Question Id : 1908898839 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Following is the most dominating biocontrol agent of water hyacinth in India

1. *Neochetina* spp.
2. *Cyrtobagous salviniae*
3. *Agasicles hygrophila*
4. *Teleonemaia scrupulosa*

Options :

19088935249. 1

19088935250. 2

19088935251. 3

19088935252. 4

Question Number : 59 Question Id : 1908898840 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the termite caste is fertile?

1. Presoldiers
2. Alates
3. Worker
4. Soldiers

Options :

19088935253. 1

19088935254. 2

19088935255. 3

19088935256. 4

Question Number : 60 Question Id : 1908898841 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Powdery mildew in mulberry is caused by

1. *Phyllactina corylea*
2. *Meloidogyne incognita*
3. *Acidium mori*
4. *Cercospora moricola*

Options :

19088935257. 1

19088935258. 2

19088935259. 3

19088935260. 4

Question Number : 61 Question Id : 1908898842 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Uzi fly belongs to the family

1. Meloidae
2. Tachinidae
3. Saturnidae
4. Pyralidae

Options :

19088935261. 1

19088935262. 2

19088935263. 3

19088935264. 4

Question Number : 62 Question Id : 1908898843 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Covering of soil in-between rows of mulberry with organic waste is known as

1. Manuring
2. Mulching
3. Solarization
4. Flooding

Options :

19088935265. 1

19088935266. 2

19088935267. 3

19088935268. 4

Question Number : 63 Question Id : 1908898844 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Mulberry is largely pollinated by

1. Honey bees
2. Wind
3. Birds
4. Butterflies

Options :

19088935269. 1

19088935270. 2

19088935271. 3

19088935272. 4

Question Number : 64 Question Id : 1908898845 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Glands that discharge their products directly into blood stream are called

1. Endocrine
2. Secretary
3. Exocrine
4. Salivary

Options :

19088935273. 1

19088935274. 2

19088935275. 3

19088935276. 4

Question Number : 65 Question Id : 1908898846 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The silkworm respire through

1. Gills
2. Air sacs
3. Book lungs
4. Tracheae

Options :

19088935277. 1

19088935278. 2

19088935279. 3

19088935280. 4

Question Number : 66 Question Id : 1908898847 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The scientific name of castor is

1. *Morus alba*
2. *Carica papaya*
3. *Samia ricini*
4. *Ricinus communis*

Options :

19088935281. 1

19088935282. 2

19088935283. 3

19088935284. 4

Question Number : 67 Question Id : 1908898848 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Calcified cocoons are the ones destroyed by

1. Virus
2. Bacteria
3. Fungus
4. Protozoa

Options :

19088935285. 1

19088935286. 2

19088935287. 3

19088935288. 4

Question Number : 68 Question Id : 1908898849 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The recommended quantity of FYM/compost for irrigated mulberry garden/ha/year is

1. 40 MT
2. 30 MT
3. 20 MT
4. 10 MT

Options :

19088935289. 1

19088935290. 2

19088935291. 3

19088935292. 4

Question Number : 69 Question Id : 1908898850 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The hibernating eggs are preserved in

1. Cold storage
2. Oven
3. Incubator
4. Refrigerator

Options :

19088935293. 1

19088935294. 2

19088935295. 3

19088935296. 4

Question Number : 70 Question Id : 1908898851 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Most effective method of irrigation involving less wastage of water in moriculture is

1. Flood irrigation
2. Drip irrigation
3. Sprinkler irrigation
4. Furrow irrigation

Options :

19088935297. 1

19088935298. 2

19088935299. 3

19088935300. 4

Part C : Nematology

Section Id : 190889163

Section Number : 3

Section type : Online

Mandatory or Optional : Mandatory

Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	200
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	190889203
Question Shuffling Allowed :	Yes

Question Number : 71 Question Id : 1908898852 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Research on plant parasitic nematodes at G.B.P.U. Agric. & Technology, Pantnagar was initiated in

1. 1969
2. 1964
3. 1971
4. 1962

Options :

19088935301. 1
19088935302. 2
19088935303. 3
19088935304. 4

Question Number : 72 Question Id : 1908898853 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In which year "Ufra" disease of rice was first reported by Butler?

1. 1929
2. 1921
3. 1939
4. 1919

Options :

- 19088935305. 1
- 19088935306. 2
- 19088935307. 3
- 19088935308. 4

Question Number : 73 Question Id : 1908898854 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In which year Nematological Society of India was founded?

- 1. 1969
- 2. 1971
- 3. 1976
- 4. 1970

Options :

- 19088935309. 1
- 19088935310. 2
- 19088935311. 3
- 19088935312. 4

Question Number : 74 Question Id : 1908898855 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Causal organism of slow decline of citrus is?

- 1. *Radopholus similis*
- 2. *Pratylenchus penetrans*
- 3. *Tylenchulus semipenetrans*
- 4. *Rotylenchulus reniformis*

Options :

- 19088935313. 1
- 19088935314. 2
- 19088935315. 3

19088935316. 4

Question Number : 75 Question Id : 1908898856 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following nematode carries the symbiotic *Xenorhabdus*?

1. *Heterorhabditis*
2. *Steinerema*
3. *Rhabditis*
4. *Cephalobus*

Options :

19088935317. 1

19088935318. 2

19088935319. 3

19088935320. 4

Question Number : 76 Question Id : 1908898857 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is NOT a predatory nematode?

1. *Mononchoides*
2. *Sienura*
3. *Actinolaimus*
4. *Dolichodorus*

Options :

19088935321. 1

19088935322. 2

19088935323. 3

19088935324. 4

Question Number : 77 Question Id : 1908898858 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Cuticle is secreted by epidermal cells

Statement II: Cuticle is cellular living layer forming external covering of the nematode

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 :

19088935325. 1

19088935326. 2

19088935327. 3

19088935328. 4

Question Number : 78 Question Id : 1908898859 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: In "telogonic" gonad germ cells are produced along entire length of gonad

Statement II: In "telogonic" gonad germ cells proliferate only at apical end or tip of gonad

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 :

19088935329. 1

19088935330. 2

19088935331. 3

19088935332. 4

Question Number : 79 Question Id : 1908898860 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: In Aphelenchid nematodes dorsal oesophageal gland orifice opens in metacarpus

Statement II: In Aphelenchid nematodes metacarpus is angular in shape and occupying about 3/4 of corresponding body width

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 :

19088935333. 1

19088935334. 2

19088935335. 3

19088935336. 4

Question Number : 80 Question Id : 1908898861 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: *Aphelenchoides besseyi*, *Ditylenchus angustus* and *Anguina tritici* are both ecto- and endo- parasites of host plant

Statement II: *Aphelenchoides besseyi*, *Ditylenchus angustus* and *Anguina tritici* are only ecto-parasites of host plant

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 :

19088935337. 1

19088935338. 2

19088935339. 3

19088935340. 4

Question Number : 81 Question Id : 1908898862 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Pine wilt disease is caused by *Bursaphelenchus xylophilus*, which is vectored by *Rhynchophorus palmarum*

Statement II: Pine wilt disease is caused by *Bursaphelenchus xylophilus*, which is vectored by *Monochamus alternatus*

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 :

19088935341. 1

19088935342. 2

19088935343. 3

19088935344. 4

Question Number : 82 Question Id : 1908898863 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following system is absent in nematodes?

1. Nervous system
2. Digestive system
3. Circulatory system
4. Reproductive system

Options :

19088935345. 1

19088935346. 2

19088935347. 3

19088935348. 4

Question Number : 83 Question Id : 1908898864 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In which of the following genera sexual dimorphism occurs?

1. *Ditylenchus*
2. *Hoplolaimus*
3. *Anguina*
4. *Scutellonema*

Options :

19088935349. 1

19088935350. 2

19088935351. 3

19088935352. 4

Question Number : 84 Question Id : 1908898865 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In which of the following genera Monoprodelfic gonad is found?

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

Options :

19088935353. 1

19088935354. 2

19088935355. 3

19088935356. 4

Question Number : 85 Question Id : 1908898866 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In which of the following genera tail terminus is provided with a “mucro”?

1. *Pratylenchus subpenetrans*
2. *Hirschmanniella oryzae*
3. *Tylenchorhynchus claytoni*
4. *Hoplolaimus indicus*

Options :

19088935357. 1

19088935358. 2

19088935359. 3

19088935360. 4

Question Number : 86 Question Id : 1908898867 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following genera have adanal bursa?

1. *Dolichodorus*
2. *Tylenchus*
3. *Ditylenchus*
4. *Aphelenchus*

Options :

19088935361. 1

19088935362. 2

19088935363. 3

19088935364. 4

Question Number : 87 Question Id : 1908898868 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which type of gonad is present in female of *Radopholus*?

1. Mono-prodelphic
2. Mono-opisthodelphic
3. Didelphic-amphidelphic
4. Didelphic-prodelphic

Options :

19088935365. 1

19088935366. 2

19088935367. 3

19088935368. 4

Question Number : 88 Question Id : 1908898869 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is having stylet without knobs?

1. *Neopsilenchus*
2. *Aphelenchoides*
3. *Ditylenchus*
4. *Basiria*

Options :

19088935369. 1

19088935370. 2

19088935371. 3

19088935372. 4

Question Number : 89 Question Id : 1908898870 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following genera having "scutella"?

1. *Aorolaimus*
2. *Coslenchus*
3. *Rotylenchus*
4. *Criconema*

Options :

19088935373. 1

19088935374. 2

19088935375. 3

19088935376. 4

Question Number : 90 Question Id : 1908898871 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In which of the following genera cuticular sheath is present?

1. *Criconema*
2. *Ogma*
3. *Bakernema*
4. *Hemicycliphora*

Options :

19088935377. 1

19088935378. 2

19088935379. 3

19088935380. 4

Question Number : 91 Question Id : 1908898872 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which one of the following is parasitic mushroom?

1. *Ditylenchus destructor*
2. *Ditylenchulus dipsaci*
3. *Ditylenchulus composticola*
4. *Ditylenchulus angustus*

Options :

19088935381. 1

19088935382. 2

19088935383. 3

19088935384. 4

Question Number : 92 Question Id : 1908898873 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Nurse cells are induced by

1. *Heterodera* spp
2. *Rotylenchulus reniformis*
3. *Tylenchulus semipenetrans*
4. *Nacobbus batatiformis*

Options :

19088935385. 1

19088935386. 2

19088935387. 3

19088935388. 4

Question Number : 93 Question Id : 1908898874 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The infective stage of *Rotylenchulus reniformis* is

1. Second stage juvenile
2. Third stage juvenile
3. First stage juvenile
4. Immature female

Options :

19088935389. 1

19088935390. 2

19088935391. 3

19088935392. 4

Question Number : 94 Question Id : 1908898875 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following combination is most appropriate for hot water treatment of rice to control white tip nematode of rice?

1. 50°C for 40min
2. 52°C for 30min
3. 55°C for 20min
4. 54°C for 30min

Options :

19088935393. 1

19088935394. 2

19088935395. 3

19088935396. 4

Question Number : 95 Question Id : 1908898876 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which one is a quarantine nematode pest in India?

1. *Anguina agrostis*
2. *Anguina tritici*
3. *Aphelenchides besseyi*
4. *Bursaphelenchus minutus*

Options :

19088935397. 1

19088935398. 2

19088935399. 3

19088935400. 4

Question Number : 96 Question Id : 1908898877 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which one is most appropriate method to extract sluggish, dead and fixed nematode, and eggs from soil?

1. Baermann funnel technique
2. Combined screening & funnel technique
3. Mist extraction technique
4. Centrifugal flotation technique

Options :

19088935401. 1

19088935402. 2

19088935403. 3

19088935404. 4

Question Number : 97 Question Id : 1908898878 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Baermann funnel technique used to extract nematode cysts from soil

Statement II: Baermann funnel method is used to extract nematodes from soil and plant tissues

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 :

19088935405. 1

19088935406. 2

19088935407. 3

19088935408. 4

Question Number : 98 Question Id : 1908898879 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: If live nematodes placed into cold fixative, they are distorted and spoiled

Statement II: Best fixation results on nematodes are obtained with instant heat killing and fixation

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 :

19088935409. 1

19088935410. 2

19088935411. 3

19088935412. 4

Question Number : 99 Question Id : 1908898880 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: “Di Tera” is a natural nematocide

Statement II: The active substance of ‘Nemate IoG’ is Azadirachtin.

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 :

19088935413. 1

19088935414. 2

19088935415. 3

19088935416. 4

Question Number : 100 Question Id : 1908898881 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The first recorded nematode-fungus interaction was made by Atkinson in the year

1. 1902
2. 1894
3. 1892
4. 1890

Options :

19088935417. 1

19088935418. 2

19088935419. 3

19088935420. 4

Question Number : 101 Question Id : 1908898882 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following nematode is known as virus vector?

1. *Paratylenchus*
2. *Dorylaimus*
3. *Criconeema*
4. *Trichodorus*

Options :

19088935421. 1

19088935422. 2

19088935423. 3

19088935424. 4

Question Number : 102 Question Id : 1908898883 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Scutellonema bradys is an important plant parasitic nematode of which crop?

1. Sweet potato
2. Brinjal
3. Yams
4. Potato

Options :

19088935425. 1

19088935426. 2

19088935427. 3

19088935428. 4

Question Number : 103 Question Id : 1908898884 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following nematode species form 'eelworm wool'?

1. *Ditylenchus angustus*
2. *Ditylenchus dipsaci*
3. *Ditylenchus myceliophagus*
4. *Aphelenchoides besseyi*

Options :

19088935429. 1

19088935430. 2

19088935431. 3

19088935432. 4

Question Number : 104 Question Id : 1908898885 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Only hypertrophy occurs in syncytium cells induced by cyst nematodes

Statement II: Both Hypertrophy and hyperplasia occur in syncytium cells induced by cyst nematodes

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

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

Options :

19088935433. 1

19088935434. 2

19088935435. 3

19088935436. 4

Question Number : 105 Question Id : 1908898886 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which one is the scientific name of Pea cyst nematode?

1. *Heterodera goettingiana*
2. *Heterodera humuli*
3. *Heterodera ciceri*
4. *Heterodera devii*

Options :

19088935437. 1

19088935438. 2

19088935439. 3

19088935440. 4

Question Number : 106 Question Id : 1908898887 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Deep ploughing in the hot summer months reduce nematode infection

Statement II: The efficiency of summer ploughing can be improved by polyethylene mulching

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 :

19088935441. 1

19088935442. 2

19088935443. 3

19088935444. 4

Question Number : 107 Question Id : 1908898888 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Crop rotation is effective to control *Heterodera avenae*, because of its scanty hosts

Statement II: Crop rotation is not effective to control disease of wheat

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 :

19088935445. 1

19088935446. 2

19088935447. 3

19088935448. 4

**Question Number : 108 Question Id : 1908898889 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: 'Di Tera' approved for commercial use in USA in 2001

Statement II: 'Clandosan 610' is manufactured in Australia.

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 :

19088935449. 1

19088935450. 2

19088935451. 3

19088935452. 4

**Question Number : 109 Question Id : 1908898890 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: Disease complex in soil caused by *Meloidogyne* spp. and soil-borne pathogens reduce crop damage as compare to single pathogen.

Statement II: Infection of plant roots by *Meloidogyne* spp. cause root lesions

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 :

19088935453. 1

19088935454. 2

19088935455. 3

19088935456. 4

Question Number : 110 Question Id : 1908898891 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: *Pseudomonas fluorescence* and *Paenibacillus polymyxa* do not promote plant growth.

Statement II: *Pseudomonas fluorescence* and *Paenibacillus polymyxa* promote plant growth besides being biocontrol agent of nematode

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 :

19088935457. 1

19088935458. 2

19088935459. 3

19088935460. 4

Question Number : 111 Question Id : 1908898892 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Given below are two statements

Statement I: relationship between soil moisture and various nematode activities at field capacity provides optimal conditions

Statement II: Flooded field adversely affect nematode reproduction by lack of available pore space

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 :

19088935461. 1

19088935462. 2

19088935463. 3

19088935464. 4

Question Number : 112 Question Id : 1908898893 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The type species of *Pratylenchus* is

1. *Pratylenchus penetrans*
2. *Pratylenchus brachyurus*
3. *Pratylenchus pratensis*
4. *Pratylenchus neglectus*

Options :

19088935465. 1

19088935466. 2

19088935467. 3

19088935468. 4

**Question Number : 113 Question Id : 1908898894 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Which of the following nematode is sluggish?

1. *Aphelenchoides*
2. *Rotylenchus*
3. *Ditylenchus*
4. *Criconema*

Options :

19088935469. 1

19088935470. 2

19088935471. 3

19088935472. 4

**Question Number : 114 Question Id : 1908898895 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Which of the following stage of root-knot nematode lack stylet?

1. Second stage juvenile
2. Fourth stage juvenile
3. Adult female
4. Adult male

Options :

19088935473. 1

19088935474. 2

19088935475. 3

19088935476. 4

Question Number : 115 Question Id : 1908898896 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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

1. 3
2. 4
3. 2
4. 6

Options :

19088935477. 1

19088935478. 2

19088935479. 3

19088935480. 4

Question Number : 116 Question Id : 1908898897 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

During of crops resistance screening to root-knot nematode, designation of host status is based on

1. Number of root galls only
2. Number of egg masses only
3. Number of root galls and reproduction factor of nematode
4. Biomass of infected roots

Options :

19088935481. 1

19088935482. 2

19088935483. 3

19088935484. 4

Question Number : 117 Question Id : 1908898898 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Tubular oesophagus is found in

1. *Dorylaimus*
2. *Aphelenchus*
3. *Hoplolaimus*
4. *Mononchus*

Options :

19088935485. 1

19088935486. 2

19088935487. 3

19088935488. 4

Question Number : 118 Question Id : 1908898899 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Glycerol solution is used for

1. Mounting of nematodes
2. Dehydration of nematodes
3. Killing of nematodes
4. Fixation of nematods

Options :

19088935489. 1

19088935490. 2

19088935491. 3

19088935492. 4

Question Number : 119 Question Id : 1908898900 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Psylenchus differs from *Neopsylenchus* by

1. Stylet knobs
2. Bursa
3. Female gonad
4. Oesophagus

Options :

19088935493. 1

19088935494. 2

19088935495. 3

19088935496. 4

Question Number : 120 Question Id : 1908898901 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The term entomo-pathogenic nematode has an origin

1. Greek
2. Italian
3. Latin
4. Greece

Options :

19088935497. 1

19088935498. 2

19088935499. 3

19088935500. 4