National Testing Agency

Question Paper Name:

PLANT PATHOLOGY AND SOIL HEALTH 26th March 2021

Shift2

Subject Name: Plant Pathology and soil Health

Creation Date : 2021-03-26 20:01:33

Duration:180Number of Questions:100Total Marks:100Display Marks:Yes

PLANT PATHOLOGY AND SOIL HEALTH

Group Number:

Group Id: 512452230

Group Maximum Duration:

Group Minimum Duration:

Show Attended Group?:

No
Edit Attended Group?:

No
Break time:

Group Marks:

100
Is this Group for Examiner?:

No

PLANT PATHOLOGY AND SOIL HEALTH-1

Section Id: 512452916

Section Number:

Section type: Online

Mandatory or Optional: Mandatory

Number of Questions :100Number of Questions to be attempted :100Section Marks :100Mark As Answered Required? :YesSub-Section Number :1

Sub-Section Id: 5124521079

Question Shuffling Allowed: Yes

Question Number: 1 Question Id: 51245219496 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Which one of the following statements about viruses is correct?

- 1. Virus possess their own metabolic system
- 2. All viruses contain both RNA and DNA
- 3. Viruses are obligate parasites
- 4. Nucleic acid of viruses is known as capsid

Options:

51245264359. 1

51245264360, 2

51245264361.3

51245264362.4

Question Number: 2 Question Id: 51245219497 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

In horizontal type of transmission, the plant virus is transmitted as a result of a

- 1. External source
- 2. Internal source
- 3. Inherited source
- 4. Sexual source

Options:

51245264363. 1

51245264364. 2

51245264365.3

51245264366.4

Question Number: 3 Question Id: 51245219498 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Plant viruses are actively transmitted from infected to healthy plants by a living organism is called as

- 1. Transmitter
- 2. Vector
- 3. Translator
- 4. Carrier

Options:

51245264367.1

51245264368. 2

51245264369.3

51245264370.4

Question Number: 4 Question Id: 51245219499 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

The bacteria which is associated with stomach ulcer is

- 1. Vibrio cholerae
- 2. Helicobacter pylori
- 3. Xanthomonas campestris
- 4. Lacto bacillus

Options:

51245264372. 2

51245264373.3

51245264374.4

Question Number: 5 Question Id: 51245219500 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

A bacterial exudates emerging from the canker tissue of stone fruit is called as

- 1. Gummosis
- 2. Exudosis
- 3. Necrotic ring
- 4. Chlorotic ring

Options:

51245264375.1

51245264376. 2

51245264377.3

51245264378.4

Question Number: 6 Question Id: 51245219501 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Thread like structures of the body or mycelium of the fungus are known as

- 1. Thallus
- 2. Paraphyses
- 3. Hyphae
- 4. Rhizines

Options:

51245264379.1

51245264380.2

Question Number: 7 Question Id: 51245219502 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The mode of nutrition in all fungi is always

- 1. Autotrophic
- 2. Saprophytic
- 3. Parasitic
- 4. Heterotrophic

Options:

51245264383.1

51245264384. 2

51245264385.3

51245264386.4

Question Number: 8 Question Id: 51245219503 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The fungi which is used as bio-control agent is

- 1. Trichoderma
- 2. Aspergillus
- 3. Yeast
- 4. Candida

Options:

51245264387. 1

51245264388. 2

51245264389.3

Question Number: 9 Question Id: 51245219504 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The process of shedding the old skin or casting off the outer cuticle of the insect is

- 1. Metamorphosis
- 2. Ecdysis
- 3. Sloughing
- 4. Slipping

Options:

51245264391.1

51245264392. 2

51245264393.3

51245264394.4

Question Number: 10 Question Id: 51245219505 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The external covering of the insect egg is

- 1. Chondrian
- 2. Chorion
- 3. Cuticle
- 4. Cell wall

Options:

51245264395. 1

51245264396. 2

51245264397.3

51245264398.4

Question Number: 11 Question Id: 51245219506 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

The creatures like insect that have soft body and four pairs of legs are

- 1. Mites
- 2. Birds
- 3. Rodents
- 4. Butterflies

Options:

51245264399.1

51245264400.2

51245264401.3

51245264402.4

 $Question\ Number: 12\ Question\ Id: 51245219507\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

Pesticides that particularly kill ticks and mites are called as

- 1. Insecticide
- 2. Fungicide
- 3. Acaricide
- 4. Weedicide

Options:

51245264403.1

51245264404. 2

51245264405.3

51245264406.4

Question Number: 13 Question Id: 51245219508 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Among these, which chemical destroy insects body water balance by damaging their protective wax covering

- 1. Silica dust
- 2. Zinc dust
- 3. Calcium chloride
- 4. Sodium chloride

Options:

51245264407. 1

51245264408. 2

51245264409.3

51245264410.4

Question Number: 14 Question Id: 51245219509 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Botanical name of rice is

- 1. Mangifera indica
- 2. Zea mays
- 3. Oryza sativa
- 4. Triticum aestivum

Options:

51245264411.1

51245264412. 2

51245264413.3

51245264414.4

Question Number: 15 Question Id: 51245219510 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Termites belong to which insect order?

- 1. Hymenoptera
- 2. Coleoptera
- 3. Lepidoptera
- 4. Isoptera

Options:

51245264415.1

51245264416. 2

51245264417.3

51245264418.4

Question Number: 16 Question Id: 51245219511 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The scientific name of pigeon pea pod fly is

- 1. Melanogromyza obtuse
- 2. Helicoverpa armigera
- 3. Meladogyne incognita
- 4. Aphis craccivora

Options:

51245264419.1

51245264420.2

51245264421.3

51245264422.4

Question Number: 17 Question Id: 51245219512 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

The 'dead heart' which emits an offensive odour a symptom caused by shoot borer occurs in

- 1. Rice
- 2. Maize
- 3. Sugarcane
- 4. Sorghum

Options:

51245264423.1

51245264424. 2

51245264425.3

51245264426.4

Question Number: 18 Question Id: 51245219513 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The only grasshopper pest in the humid forest zone which causes damage on most crops, mainly cassava and also cotton is

- 1. Zonocerus variegatus
- 2. Austracris guttulosa
- 3. Chortoicetes terminifera
- 4. Pectinophora gossypiella

Options:

51245264427. 1

51245264428. 2

51245264429.3

51245264430.4

Question Number: 19 Question Id: 51245219514 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Match the following with correct answer

A. Cotton aphid	I. Zonocerus variegatus
B. Australian plague locust	II. Austracris guttulosa
C. Spur-throated locust	III. Chortoi-cetes terminifera
D. Variegated grasshopper	IV. Aphis gossypii

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

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

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

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

Options:

51245264431.1

51245264432. 2

51245264433.3

51245264434.4

Question Number: 20 Question Id: 51245219515 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Given below are two statements, one is labeled as Assertion A and the other is labeled as

Reason R

Assertion A: In pure lines, characters remain stable for several generations.

Reason R: Pure lines are obtained from homozygous parents by self-fertilization

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 but 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:

51245264435. 1

51245264436. 2

51245264437.3

51245264438.4

Question Number: 21 Question Id: 51245219516 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Among the following which one is used as bio-control agent for insects?

- 1. Trichoderma
- 2. Trichogramma
- 3. Fusarium
- 4. Triticum

Options:

51245264439. 1

51245264441.3

51245264442.4

Question Number: 22 Question Id: 51245219517 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Among these, which one is the strongest natural fibre?

- 1. Nylon
- 2. silk
- 3. woollen
- 4. cotton

Options:

51245264443.1

51245264444. 2

51245264445.3

51245264446.4

Question Number: 23 Question Id: 51245219518 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Entomology is the branch of zoology, dealing with the scientific study of

- 1. Insects
- 2. Fungi
- 3. Bacteria
- 4. Viruses

Options:

51245264447. 1

51245264448. 2

51245264449.3

Question Number: 24 Question Id: 51245219519 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Resinous secretion of insects which are useful in making varnishes and polishes are called as

- 1. Bac insects
- 2. Wasps
- 3. Lac insects
- 4. Aphids

Options:

- 51245264451.1
- 51245264452. 2
- 51245264453.3
- 51245264454.4

Question Number: 25 Question Id: 51245219520 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Caterpillars represents which stage?

- 1. Pupa
- 2. Larva
- 3. Egg
- 4. Adult

Options:

- 51245264455.1
- 51245264456. 2
- 51245264457. 3
- 51245264458.4

Question Number: 26 Question Id: 51245219521 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The crops grown in winter months from October to March month are called as

- 1. Rabi crop
- 2. Kharif crop
- 3. Zaid crop
- 4. Monsoon crop

Options:

51245264459. 1

51245264460.2

51245264461.3

51245264462.4

Question Number: 27 Question Id: 51245219522 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Tropical Crops grow well in

- 1. Humid climate
- 2. Cool climate
- 3. Misty climate
- 4. Warm and hot climate

Options:

51245264463. 1

51245264464. 2

51245264465. 3

51245264466.4

Question Number: 28 Question Id: 51245219523 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Crops which live for several years are called as

- 1. Annuals
- 2. Perennials
- 3. Biannuals
- 4. Ephemerals

Options:

51245264467.1

51245264468. 2

51245264469.3

51245264470.4

Question Number: 29 Question Id: 51245219524 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Western Dry zone which is characterized by hot sandy desert and scanty vegetation comprises of

- 1. Rajasthan
- 2. Gujarat
- 3. Maharashtra
- 4. Tamil Nadu

Options:

51245264471.1

51245264472. 2

51245264473.3

51245264474.4

Question Number: 30 Question Id: 51245219525 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

The soil size ranges from <2 to 0.05 mm is

- 1. Silt
- 2. Sand
- 3. Clay
- 4. Loam

Options:

51245264475. 1

51245264476. 2

51245264477.3

51245264478.4

 $Question\ Number: 31\ Question\ Id: 51245219526\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

The soil separates can become aggregated together into discrete structural units called

- 1. Horizons
- 2. Layers
- 3. Pores
- 4. Peds

Options:

51245264479.1

51245264480. 2

51245264481.3

51245264482.4

Question Number: 32 Question Id: 51245219527 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

The elements which plants require in relatively large amounts are called as

- 1. Trace elements
- 2. Micro nutrients
- 3. Macro nutrients
- 4. Large elements

Options:

51245264483. 1

51245264484. 2

51245264485.3

51245264486.4

Question Number: 33 Question Id: 51245219528 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The Kjeldahl method is the most commonly used method for measuring

- 1. Total nitrogen
- 2. Total calcium
- 3. Total potassium
- 4. Total magnesium

Options:

51245264487.1

51245264488. 2

51245264489.3

51245264490.4

Question Number: 34 Question Id: 51245219529 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Match the following and choose the correct combination from the given options

A. Sulphur	I.Cholorophyll
B. Zinc	II. Nitroginase
C. Magnesium	III. Methionine
D. Molybdenum	IV. Auxin

Options:

51245264491.1

51245264492. 2

51245264493.3

51245264494.4

Question Number: 35 Question Id: 51245219530 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Pesticides that enter the body of the pest through the mouth during feeding into the digestive tract are called as

- 1. Stomach poison
- 2. Systemic poison
- 3. Contact poison
- 4. unsystemic poison

Options:

51245264495.1

51245264497.3

51245264498.4

 $Question\ Number: 36\ Question\ Id: 51245219531\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

Nicotine is extracted from

- 1. Tobacco
- 2. Opium
- 3. Cannabis
- 4. Betel nut

Options:

51245264499. 1

51245264500.2

51245264501.3

51245264502.4

 $Question\ Number: 37\ Question\ Id: 51245219532\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

The pesticide which is used as 'flushing agents' causing insects to come out of hiding is

- 1. Azadirachtin
- 2. Salannin
- 3. Pyrethrine
- 4. Nicotine

Options:

51245264503.1

51245264504. 2

51245264505.3

Question Number: 38 Question Id: 51245219533 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The pesticide primarily to preserve wood from rot and decay is

- 1. Boric acid
- 2. Arsenic
- 3. Lead
- 4. Elemental sulphur

Options:

51245264507.1

51245264508. 2

51245264509.3

51245264510.4

Question Number: 39 Question Id: 51245219534 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The micro fine sulphur formulation in aqueous suspension form is called as

- 1. Flowable sulphur
- 2. Colloidal sulphur
- 3. Dust sulphur
- 4. Micro ionized sulphur

Options:

- 51245264511.1
- 51245264512. 2
- 51245264513.3
- 51245264514.4

Question Number: 40 Question Id: 51245219535 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

A mixture of finely divided, solid particles dispersed in a liquid is

- 1. Solution
- 2. Sorption
- 3. Emulsion
- 4. Suspension

Options:

51245264515. 1

51245264516. 2

51245264517.3

51245264518.4

Question Number: 41 Question Id: 51245219536 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

The gaseous insecticides usually packaged under pressure and stored as liquids are called as

- 1. Fumigants
- 2. Aerosol
- 3. Emulsifiable Concentrate
- 4. Soluble Powder

Options:

51245264519. 1

51245264520. 2

51245264521.3

51245264522.4

 $Question\ Number: 42\ Question\ Id: 51245219537\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Chemicals that can boost the pesticidal activity of an active ingredient are called as

- 1. Emulsifiers
- 2. Synergists
- 3. Fumigants
- 4. Aerosols

Options:

51245264523.1

51245264524. 2

51245264525.3

51245264526.4

Question Number: 43 Question Id: 51245219538 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Organophosphate toxicity is diagnosed and treated with

- 1. Atropine and 2-PAM
- 2. Benedrin
- 3. Paracetamol
- 4. Rantidine

Options:

51245264527. 1

51245264528. 2

51245264529.3

51245264530.4

Question Number: 44 Question Id: 51245219539 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

A non-leaching non-volatile pyrethroid insecticide is

- 1. Fluvalinate
- 2. Fenvalerate
- 3. Salonnin
- 4. Vinblastine

Options:

51245264531.1

51245264532. 2

51245264533.3

51245264534.4

Question Number: 45 Question Id: 51245219540 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The purest form of deltamethrin a pyrethroid insecticide is

- 1. Green in colour
- 2. Brown in colour
- 3. Colourless
- 4. Blue in colour

Options:

51245264535.1

51245264536. 2

51245264537.3

51245264538.4

Question Number: 46 Question Id: 51245219541 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Among these which one is highly toxic to fish and tadpoles?

- 1. Pyrethrins
- 2. Pyrethroid
- 3. Fenvalerate
- 4. Permethrin

Options:

51245264539.1

51245264540. 2

51245264541.3

51245264542.4

Question Number: 47 Question Id: 51245219542 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The single most important clue used by mosquitoes for locating a source of blood is

- 1. Nitrogen
- 2. Carbon -di-oxide
- 3. Oxygen
- 4. Hydrogen

Options:

51245264543.1

51245264544. 2

51245264545.3

51245264546.4

Question Number: 48 Question Id: 51245219543 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Neem urea coating agent helps to retard the activity and growth of the bacteria responsible for

- 1. Nitrification
- 2. Denitrification
- 3. Ammonification
- 4. Nitrogen fixation

Options:

51245264547. 1

51245264548. 2

51245264549.3

51245264550.4

Question Number : 49 Question Id : 51245219544 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks: 1 Wrong Marks: 0

Neem in Sanskrit is called as

- 1. Brahmi
- 2. Shatavari
- 3. Manjishta
- 4. Arista

Options:

51245264551.1

51245264552. 2

51245264553.3

51245264554.4

Question Number: 50 Question Id: 51245219545 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Among the following which one is not an insect repellent?

- 1. Groundnut oil
- 2. Soyabean oil
- 3. Citronella oil
- 4. Eucalyptus oil

Options:

51245264555. 1

51245264556. 2

51245264557.3

51245264558.4

Question Number: 51 Question Id: 51245219546 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Toxicity producing sudden and dramatic symptoms from a single dose of pesticide is known as.

- 1. Active ingredient
- 2. Acute toxicity
- 3. Slow toxicity
- 4. Oral toxicity

Options:

51245264559.1

51245264560. 2

51245264561.3

51245264562.4

Question Number: 52 Question Id: 51245219547 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

The term used to indicate a plant species on which a plant-parasitic species can feed and reproduce is

- 1. Pathogen
- 2. Host
- 3. Substrate
- 4. Spore

Options:

51245264563.1

51245264564. 2

51245264565.3

51245264566.4

Question Number: 53 Question Id: 51245219548 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The resistance exhibited by lines which are phenotypically and genetically similar is called as

- 1. Vertical resistance
- 2. Horizontal resistance
- 3. Pureline resistance
- 4. Multiline resistance

Options:

51245264567. 1

51245264568. 2

51245264569.3

51245264570.4

Question Number: 54 Question Id: 51245219549 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

The type of resistance in which the host plant causes injury, death, reduced reproduction of the pest is

- 1. Antibiosis
- 2. Antixenosis
- 3. Tolerance
- 4. Cross Resistance

Options:

51245264571.1

51245264572. 2

51245264573.3

51245264574.4

Question Number: 55 Question Id: 51245219550 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No Correct Marks: 1 Wrong Marks: 0

Pesticides that can be moved from soil by runoff and leaching, thereby polluting the drinking water are called as

- 1. Hydrophobic pesticides
- 2. Polar pesticides
- 3. Accumable pesticides
- 4. Persistant pesticides

Options:

51245264575. 1

51245264576. 2

51245264577.3

51245264578.4

 $Question\ Number: 56\ Question\ Id: 51245219551\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

When a pesticide turns into a gas or vapour after it has been sprayed, allowing it to travel through the air and spread to different pieces of land is called

- 1. Sanitization
- 2. Vaporization
- 3. Volatilization
- 4. Vernalization

Options:

51245264579.1

51245264580. 2

51245264581.3

51245264582.4

Question Number: 57 Question Id: 51245219552 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Association of fungi with the roots of higher plants is called as

- 1. Phycorrhiza
- 2. Mycorrhiza
- 3. Lichens
- 4. Algae

Options:

51245264583.1

51245264584. 2

51245264585.3

51245264586.4

Question Number: 58 Question Id: 51245219553 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

The total amount of water in the world which is available for drinking is

- 1.3%
- 2.1%
- 3.5%
- 4.10%

Options:

- 51245264587. 1
- 51245264588. 2
- 51245264589. 3
- 51245264590.4

Question Number: 59 Question Id: 51245219554 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The movement of pesticides into water through the soil is

- 1. Bleaching
- 2. Leaching
- 3. Running
- 4. Drain flow

Options:

51245264591.1

51245264592. 2

51245264593.3

51245264594.4

Question Number: 60 Question Id: 51245219555 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Which country is the world's third largest user of "agrotoxic" substances?

- 1. America
- 2. Brazil
- 3. Australia
- 4. India

Options:

51245264595.1

51245264596. 2

51245264597.3

51245264598.4

 $Question\ Number: 61\ Question\ Id: 51245219556\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

Pesticides with a typical soil half-life of 30 to 100 days are called

- 1. Resistant
- 2. Persistant
- 3. Non-persistant
- 4. Moderately persistant

Options:

51245264599. 1

51245264600. 2

51245264601.3

51245264602.4

Question Number: 62 Question Id: 51245219557 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

In general, pesticides with which vapour pressure index values have a low potential to volatilize

- 1. Less than 10
- 2. Between 11-20
- 3. Between 21-25
- 4. Between 25-35

Options:

- 51245264603.1
- 51245264604. 2
- 51245264605.3
- 51245264606.4

Question Number: 63 Question Id: 51245219558 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The binding of pesticides to soil particles is called as

- 1. Vaporization
- 2. Adsorption
- 3. Sorption
- 4. Absorption

Options:

51245264607.1

51245264608. 2

51245264609.3

51245264610.4

Question Number: 64 Question Id: 51245219559 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Photo-degradation is the breakdown of pesticides by

- 1. Chemicals
- 2. Micro-organisms
- 3. Sunlight
- 4. Wind

Options:

51245264611.1

51245264612. 2

51245264613.3

51245264614.4

Question Number: 65 Question Id: 51245219560 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Chromatographic technique used to separate the components of a mixture using a thin stationary phase supported by an inert backing is

- 1. TLC
- 2. HPLC
- 3. MS
- 4. FTIR

Options:

51245264615. 1

51245264616. 2

51245264617.3

51245264618.4

Question Number: 66 Question Id: 51245219561 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

A form of volumetric analysis in which the formation of a coloured complex is used to indicate the end point of a titration is

- 1. Gravimetric titrations
- 2. Redox titration
- 3. Acid-base titration
- 4. Complexometric titrations

Options:

51245264619. 1

51245264620. 2

51245264621. 3

51245264622.4

Question Number: 67 Question Id: 51245219562 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Expansion of ICAR is

- 1. Indian Council of Agricultural Research
- 2. International Council of Agro Research
- 3. Indian Council of Agro Rice
- 4. International Council of Agro Rice

Options:

51245264623. 1

51245264624. 2

51245264625.3

51245264626.4

Question Number: 68 Question Id: 51245219563 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

The well-known example of a somatic hybrid is

- 1. Botato
- 2. Pomato
- 3. Potato
- 4. Tomato

Options:

51245264627. 1

51245264628. 2

51245264629.3

51245264630.4

 $Question\ Number: 69\ Question\ Id: 51245219564\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

The mature stage of embryo during the developmental stages of embryo is

- 1. Globular
- 2. Heart shaped
- 3. Torpedo
- 4. Both 1 and 2

Options:

51245264631.1

51245264632. 2

51245264633.3

51245264634.4

Question Number: 70 Question Id: 51245219565 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Bordeaux Mixture is popularly used to control

- 1. Fungi
- 2. Weeds
- 3. Insects
- 4. Aphids

Options:

51245264635.1

51245264636. 2

51245264637.3

51245264638.4

Question Number: 71 Question Id: 51245219566 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Which type of control is utilised to specific crop production practices to reduce pest populations or avoid pest injury to crops?

- 1. Biological control
- 2. Cultural control
- 3. Chemical control
- 4. Mechanical control

Options:

51245264639. 1

51245264640. 2

51245264641.3

51245264642.4

Question Number: 72 Question Id: 51245219567 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Which cyanobacteria harbours in Azolla leaf?

- 1. Nostoc
- 2. Anabaena
- 3. Oscillatoria
- 4. Spirulina

Options:

51245264643.1

51245264644. 2

51245264645.3

51245264646.4

Question Number: 73 Question Id: 51245219568 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Example for anerobic free-living nitrogen fixing bacteria is

- 1. Rhizobium
- 2. Azotobacter
- 3. Bejeirinkia
- 4. Both 2 and 3

Options:

51245264647. 1

51245264648. 2

51245264649.3

51245264650.4

Question Number: 74 Question Id: 51245219569 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

A biological fertilization technique consisting the use of earthworms metabolism to produce humus is

- 1. Green manuring
- 2. Vermicomposting
- 3. Green composting
- 4. Tissue culture

Options:

51245264651.1

51245264652. 2

51245264653.3

51245264654.4

 $Question\ Number: 75\ Question\ Id: 51245219570\ Question\ Type: MCQ\ Option\ Shuffling: No\ Is\ Question\ Mandatory: No\ Shuffling: No\ Sh$

Correct Marks: 1 Wrong Marks: 0

Chemical weed management achieved without causing damage to the crop is referred to as

- 1. Selective herbicides
- 2. Residual herbicides
- 3. Systemic herbicides
- 4. Contact herbicides

Options:

51245264655. 1

51245264656. 2

51245264657.3

51245264658.4

Question Number: 76 Question Id: 51245219571 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

An international body founded by the agrochemical industry to supporting a cooperative approach to the management of herbicide resistance is

- 1. HRAC
- 2. ICAR
- 3. NABARD
- 4. FRAC

Options:

51245264659.1

51245264660. 2

51245264661.3

51245264662.4

Question Number: 77 Question Id: 51245219572 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Systemic fungicides are also known as

- 1. Penetrants
- 2. Protectants
- 3. Preservants
- 4. Perforants

Options:

51245264663. 1

51245264664. 2

51245264665.3

51245264666.4

Question Number: 78 Question Id: 51245219573 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Which fungicides are highly specific in their toxicity?

- 1. Protectant
- 2. Systemics
- 3. Single site
- 4. Multi-site

Options:

51245264667. 1

51245264668. 2

51245264669.3

51245264670.4

Question Number: 79 Question Id: 51245219574 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

One of the first commercialized and extensively studied slow release fertilizers are

- 1. Sulphur coated urea
- 2. Silica coated urea
- 3. NPK
- 4. Manure

Options:

51245264671.1

51245264672. 2

51245264673.3

51245264674.4

Question Number: 80 Question Id: 51245219575 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

In herbicides adjuvant activators helps to increase the

- 1. Physical activity of herbicides
- 2. Chemical activity of herbicides
- 3. Biological activity of herbicides
- 4. Mechanical activity of herbicides

Options:

51245264675. 1

51245264676. 2

51245264677.3

51245264678.4

Question Number: 81 Question Id: 51245219576 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Oxygen drop conditions which become lethal for insects is

- 1. Below 1%
- 2. Below 2.5%
- 3. Below 5%
- 4. Below 7.5%

Options:

51245264679.1

51245264680. 2

51245264681.3

51245264682.4

Question Number: 82 Question Id: 51245219577 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Scientific name of Indian meal moth is

- 1. Cryptolestes species
- 2. Plodia interpunctella
- 3. Rhyzopertha dominica
- 4. Sitophilus granaries

Options:

51245264683.1

51245264684. 2

51245264685.3

51245264686.4

Question Number: 83 Question Id: 51245219578 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The bed bug belongs to the insect order

- 1. Dermaptera
- 2. Hymenoptera
- 3. Hemiptera
- 4. Coleoptera

Options:

51245264687.1

51245264688. 2

51245264689.3

51245264690.4

Question Number: 84 Question Id: 51245219579 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

The sucking human body louse is

- 1. Climax lectularius
- 2. Pediculus capitis
- 3. Phthirus pubis
- 4. Pediculus humanus

Options:

51245264691.1

51245264692. 2

51245264693.3

51245264694.4

Question Number: 85 Question Id: 51245219580 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The shoot fly's entire life cycle is completed in

- 1. 21-25 days
- 2. 17-21 days
- 3. 27-30 days
- 4. 34-38 days.

Options:

51245264695.1

51245264696. 2

51245264697. 3

51245264698.4

Question Number: 86 Question Id: 51245219581 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

The protein coat of virus of called as

- 1. Capsid
- 2. Cosmid
- 3. Capsomere
- 4. Chromophore

Options:

51245264699.1

51245264700.2

51245264701.3

51245264702.4

Question Number: 87 Question Id: 51245219582 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The purpose of pesticide monitoring program is to ensure that the pesticides in fruits and vegetables do not exceed

- 1. Minimum residue levels
- 2. Minimum dosage levels
- 3. Maximum residue levels
- 4. Maximum application levels

Options:

51245264703.1

51245264704. 2

51245264705.3

51245264706.4

Question Number: 88 Question Id: 51245219583 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

The study of adverse effects of chemical, physical or biological agents on people, animal or environment is called

- 1. Multi residue analysis
- 2. Palynology
- 3. Toxicology
- 4. Pathology

Options:

51245264707.1

51245264708. 2

51245264709.3

51245264710.4

Question Number: 89 Question Id: 51245219584 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

An agent or factor which causes malformation of an embryo is called

- 1. Oncogene
- 2. Mutagen
- 3. Fusogen
- 4. Teratogen

Options:

51245264711.1

51245264712. 2

51245264713.3

51245264714.4

Question Number: 90 Question Id: 51245219585 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Group of bee colonies kept in one location are known as.

- 1. Apiary
- 2. Honey comb
- 3. Honeydew
- 4. Honey sump

Options:

51245264715.1

51245264716. 2

51245264717. 3

51245264718.4

Question Number: 91 Question Id: 51245219586 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Pesticides derived from plants is called

- 1. Chemical pesticide
- 2. Zoological pesticide
- 3. Botanical pesticide
- 4. Artificial pesticide

Options:

51245264719.1

51245264720. 2

51245264721.3

51245264722.4

Question Number: 92 Question Id: 51245219587 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Compound microscope was invented by

- 1. John Needham
- 2. Robert Hooke
- 3. Carolus Linnaeus
- 4. P.A Micheli

Options:

51245264723.1

51245264724. 2

51245264725.3

51245264726.4

Question Number: 93 Question Id: 51245219588 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The important methods of applying pesticides are

- 1. Dusting and spraying
- 2. Adding to irrigation system
- 3. Applying to roots
- 4. Applying to stem

Options:

51245264727.1

51245264728. 2

51245264729.3

51245264730.4

Question Number: 94 Question Id: 51245219589 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Who has written the book "Silent Spring"?

- 1. Smith
- 2. A.E. Michelbacher
- 3. Stephen A. Forbes
- 4. Rachel Carson

Options:

51245264731.1

51245264732. 2

51245264733.3

51245264734.4

Question Number: 95 Question Id: 51245219590 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

VRIKSHAYURVEDA was written by

- 1. Aristotle
- 2. Surapal
- 3. Charaka
- 4. Theophrastus

Options:

51245264735.1

51245264736. 2

51245264737.3

51245264738.4

Question Number: 96 Question Id: 51245219591 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Polarography was invented by

- 1. Arnold Beckman
- 2. Martin & James
- 3. Mikhali S. Tswett
- 4. Jaroslav Heyrovsky

Options:

51245264739.1

51245264740. 2

51245264741.3

51245264742.4

Question Number: 97 Question Id: 51245219592 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

The health of a plant is determined by its

- 1. Soil
- 2. Irrigation system
- 3. Environment
- 4. Intensity of sun light

Options:

51245264743.1

51245264744. 2

51245264745.3

51245264746.4

Question Number: 98 Question Id: 51245219593 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Agro-ecosystem Analysis was originated in the year

- 1.1970
- 2. 1907
- 3. 1977
- 4, 1797

Options:

51245264747. 1

51245264748. 2

51245264749.3

51245264750.4

Question Number: 99 Question Id: 51245219594 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Correct Marks: 1 Wrong Marks: 0

Who adopted the word ecology and applied ecological studies for insect studies in agricultural crops?

- 1. Charles W. Woodworth
- 2. A.E. Michelbacher
- 3. Stephen A. Forbes
- 4. Smith

Options:

51245264751.1

51245264752. 2

51245264753.3

51245264754.4

Question Number: 100 Question Id: 51245219595 Question Type: MCQ Option Shuffling: No Is Question Mandatory: No

Which nozzle is used largely for broadcast spraying?

- 1. Flat fan nozzles
- 2. Double swivel nozzles
- 3. Cut-off Valves
- 4. Double swivel nozzles

Options:

- 51245264755. 1
- 51245264756. 2
- 51245264757. 3
- 51245264758. 4