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Notations :

- Options shown in **green** color and with  icon are correct.
- Options shown in **red** color and with  icon are incorrect.

Question Paper Name :	PC22272 AGRICULTURE AO 2227
Subject Name :	PC22272 AGRICULTURE AO2227
Actual Answer Key :	Yes
Calculator :	None
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console?	Yes
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No
Show Progress Bar :	No
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Is Section Default? :	null

Question Number : 1 Question Id : 630680220775 Option Shuffling : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which economy is based on the doctrine of Laissez Faire?

Options :

-  Socialism
-  Communism
-  Totalitarianism
-  Capitalism

Question Number : 2 Question Id : 630680220776 Option Shuffling : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

‘Crop cess, credit squeeze, price supports, subsidies etc. may be enforced or withdrawn without taking an individual farmer into confidence.’

The statement given above represents which category of uncertainties?

Options :

-  Biological
-  Technological
-  Institutional
-  Economic

Question Number : 3 Question Id : 630680220777 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following represents the correct order (first to last) of steps in Farm Planning?

Options :

1. ✓ I. Planning
II. Implementation
III. Control
2. ✗ I. Implementation
II. Control
III. Planning
3. ✗ I. Control
II. Implementation
III. Planning
4. ✗ I. Planning
II. Control
III. Implementation

Question Number : 4 Question Id : 630680220778 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which statement is correct in the context of Partial Budgeting?

- I. Partial budgeting refers to estimating the outcome or returns for the complete business, i.e., all the activities.
- II. Partial budgeting is used to calculate the expected change in profit for a proposed change in the farm business.

Options :

1. ✗ Only I
2. ✓ Only II
3. ✗ Both I and II
4. ✗ Neither I nor II

Question Number : 5 Question Id : 630680220779 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In which year, the All-Risk Comprehensive Crop Insurance Scheme was introduced in India?

Options :

1. ✗ 1995
2. ✗ 1980
3. ✗ 1978
4. ✓ 1985

Question Number : 6 Question Id : 630680220780 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

What is the time period of Medium-term credit provided by National Bank for Agricultural and Rural Development (NABARD)?

Options :

1. ✗ Up to 18 months
2. ✓ Between 18 months and 7 years
3. ✗ Up to a maximum of 25 years
4. ✗ Up to 6 months

Question Number : 7 Question Id : 630680220781 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In the context of Co-operative Agricultural Credit Structure, which of the following represents the correct sequence (from top to bottom) of three tier system of short-term credit?

- P. State/Central Co-operative Bank (SCB)
- Q. District Central Co-operative Bank (DCCB)
- R. Primary Agricultural Credit Society (PACS)

Options :

1. ✗ Q, R, P
2. ✗ Q, P, R
3. ✗ R, P, Q

4. ✓ P, Q, R

Question Number : 8 Question Id : 630680220782 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Which of the following are the examples of Single Commodity Co-operative Marketing Societies?

- I. Sugarcane Co-operative Marketing Society
- II. Cotton Co-operative Marketing Society
- III. Oilseed Growers Co-operative Marketing Society

Options :

1. ✗ Only II and III
2. ✗ Only I and II
3. ✓ I, II and III
4. ✗ Only III

Question Number : 9 Question Id : 630680220783 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Hedging is a risk management strategy in agricultural marketing. Which of the following statement is NOT correct regarding Hedging?

Options :

1. ✗ The purchases and sales in the cash and future markets are made to protect oneself against excessive price fluctuations.
2. ✓ The commodities are stored by the traders.
3. ✗ The activities of buyers and sellers are always opposed to each other.
4. ✗ It is obligatory to buy and sell the goods in equal quantities in the two markets.

Question Number : 10 Question Id : 630680220784 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

For the purpose of total agricultural advances, what are the targets and sub-targets set under priority sector lending for domestic commercial banks?

Options :

1. ✓ 18 percent of ANBC or credit equivalent amount of Off-Balance Sheet Exposure, whichever is higher
2. ✗ 32 percent of ANBC or credit equivalent amount of Off-Balance Sheet Exposure, whichever is higher
3. ✗ 28 percent of ANBC or credit equivalent amount of Off-Balance Sheet Exposure, whichever is higher
4. ✗ 30 percent of ANBC or credit equivalent amount of Off-Balance Sheet Exposure, whichever is higher

Question Number : 11 Question Id : 630680220785 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Arrange the following Orders as per the sequence of years (first to last) in which they were promulgated in India.

- P. Fruits Products Order
- Q. Milk and Milk Products Order
- R. The Pulses, Edible Oilseeds and Edible Oils (Storage) Order

Options :

1. ✓ R, Q, P
2. ✗ Q, P, R
3. ✗ Q, R, P
4. ✗ P, R, Q

Question Number : 12 Question Id : 630680220786 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Which of the following statements are correct about Extension Programme Planning for transfer of agricultural technology?

- I. It requires advance thinking
- II. It is a social action process
- III. It is built around content

Options :

1. ✗ Only I and III
2. ✗ Only II and III
3. ✗ Only I and II

4. ✓ I, II and III

Question Number : 13 Question Id : 630680220787 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct about Extension Education?

- I. Learners are homogenous with common goals.
- II. There is a fixed curriculum.

Options :

- 1. ✗ Only I
- 2. ✗ Only II
- 3. ✗ Both I and II
- 4. ✓ Neither I nor II

Question Number : 14 Question Id : 630680220788 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In India, the Community Development Programme was launched on _____.

Options :

- 1. ✓ October 2, 1952
- 2. ✗ October 2, 1948
- 3. ✗ October 2, 1950
- 4. ✗ October 2, 1962

Question Number : 15 Question Id : 630680220789 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is a function of the Gram Panchayat in India?

Options :

- 1. ✓ Construction and maintenance of roads, bridges, drains, etc.
- 2. ✗ Approval of Gram Panchayat budget.
- 3. ✗ Advise the Government for all the district rural development works.
- 4. ✗ Distribution of funds of Panchayat Union.

Question Number : 16 Question Id : 630680220790 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is a barrier to Entrepreneurship?

- I. Legal constraints and regulations
- II. Lack of seed capital

Options :

- 1. ✗ Only I
- 2. ✗ Only II
- 3. ✓ Both I and II
- 4. ✗ Neither I nor II

Question Number : 17 Question Id : 630680220791 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In the context of agricultural development programmes in India, what is the full form of IADP?

Options :

- 1. ✗ Integrated Agricultural District Programme
- 2. ✗ Incentive Agricultural Distric Programme
- 3. ✓ Intensive Agricultural District Programme
- 4. ✗ Intensive Agribusiness Development Programme

Question Number : 18 Question Id : 630680220792 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is NOT a principle underlying the philosophy of extension?

Options :

- ✘ Extension should help people to help themselves
- ✘ Extension should be based on felt needs and enlightened desires of the people
- ✘ Extension should reach the people where they are
- ✔ Extension should change both the people and subject matter

Question Number : 19 Question Id : 630680220793 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In India under Community Development Programme, in initial stage in 1952, there were _____ community projects

Options :

- ✘ 103
- ✘ 11
- ✔ 55
- ✘ 144

Question Number : 20 Question Id : 630680220794 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Breeding of Angoumois Grain Moth takes place from _____.

Options :

- ✘ January to March
- ✘ January to February
- ✔ April to October
- ✘ October to December

Question Number : 21 Question Id : 630680220795 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following taxonomic rank is positioned after family and before species?

Options :

- ✘ Order
- ✘ Kingdom
- ✔ Genus
- ✘ Phylum

Question Number : 22 Question Id : 630680220796 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Head of an insect is made up of how many body segments?

Options :

- ✘ Eight
- ✘ Nine
- ✘ Three
- ✔ Six

Question Number : 23 Question Id : 630680220797 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Biotic factors are one of the types of Environmental Resistance. Which of the following is included under Biotic Factors?

Options :

- ✔ Natural enemies (predators, parasites etc.)
- ✘ Moisture and water
- ✘ Temperature
- ✘ Light

Question Number : 24 Question Id : 630680220798 Option Shuffling : Yes Is Question Mandatory : No Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Silk is produced from the cocoons of how many types of silkworms?

Options :

1. ✓ Four
2. ✗ Six
3. ✗ Seven
4. ✗ Two

Question Number : 25 Question Id : 630680220799 Option Shuffling : Yes Is Question Mandatory : No Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statements are correct about Lac?

- I. It is used as a resin and a dye.
- II. It is also a component of shellac which is used to varnish wooden furniture.

Options :

1. ✗ Only I
2. ✗ Only II
3. ✓ Both I and II
4. ✗ Neither I nor II

Question Number : 26 Question Id : 630680220800 Option Shuffling : Yes Is Question Mandatory : No Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In the context of Integrated Pest Management, which of the following pair of type of methods is correct?

- I. Preventive: Natural Enemies
- II. Curative: Chemical Insecticide
- III. Curative: Legal Control (Plant Quarantine)

Options :

1. ✓ Only I and II
2. ✗ Only II and III
3. ✗ Only III
4. ✗ I, II and III

Question Number : 27 Question Id : 630680220801 Option Shuffling : Yes Is Question Mandatory : No Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

When some loss from an insect is unavoidable, what is the expression for Economic Injury Level (EIL)? [C = Cost of management activity per unit of production (Rs./ha); V = Market value per unit of product (Rs./kg); I = Crop injury per pest density; D = Damage per unit injury (kg reduction/ha); K = Proportionate reduction in injury]

Options :

1. ✗ $EIL = \frac{D}{V \times I \times C \times K}$
2. ✓ $EIL = \frac{C}{V \times I \times D \times K}$
3. ✗ $EIL = \frac{K}{V \times I \times D \times C}$
4. ✗ $EIL = \frac{C \times I}{V \times D \times K}$

Question Number : 28 Question Id : 630680220802 Option Shuffling : Yes Is Question Mandatory : No Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following plant pathogenic organisms is called prokaryotes?

Options :

1. ✘ Fungi
2. ✘ Protozoa
3. ✔ Spiroplasma
4. ✘ Algae

Question Number : 29 Question Id : 630680220803 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is NOT correct regarding Phytoplasma?

Options :

1. ✘ They are pleomorphic
2. ✘ The lack cell wall
3. ✘ They are bounded by a unit membrane
4. ✔ They have DNA but not RNA

Question Number : 30 Question Id : 630680220804 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Match the following.

	Type of Virus		Virus
I	Flexuous Rod	1	Potato Virus X (PVX)
II	Filamentous Rod	2	Cucumber Mosaic Virus (CMV)
III	Isometric	3	Rice Stripe Virus (RSV)

Options :

1. ✘ I-1, II-2, III-3
2. ✘ I-3, II-2, III-1
3. ✔ I-1, II-3, III-2
4. ✘ I-3, II-1, III-2

Question Number : 31 Question Id : 630680220805 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

How can we manage the Root-knot nematode ('Meloidogyne spp.') for Papaya?

- I. Hot water treatment of seedling roots at 50°C for 10 minutes.
- II. Nursery bed treatment with P.lilacinus and T.harzianum each at 100 g per bed.

Options :

1. ✘ Only I
2. ✘ Only II
3. ✔ Both I and II
4. ✘ Neither I nor II

Question Number : 32 Question Id : 630680220806 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Match the following.

	Insect Pest		Crop
I	Pink bollworm	1	Cotton
II	Mealy bug	2	Coconut
III	Rhinoceros beetle	3	Mango

Options :

1. ✘ I-3, II-2, III-1
2. ✔ I-1, II-3, III-2
3. ✘ I-3, II-1, III-2
4. ✘ I-1, II-2, III-3

Question Number : 33 Question Id : 630680220807 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding 'Flat Grain Beetle'?

- I. It is light to dark reddish-brown beetle.
- II. It lays white eggs loosely in flour, grain or crevices.

Options :

1. ✘ Only I
2. ✘ Only II
3. ✔ Both I and II
4. ✘ Neither I nor II

Question Number : 34 Question Id : 630680220808 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct about Red Spider Mite?

- I. This mite is active from March to October.
- II. It is not found in Punjab.
- III. It is known to feed on cotton, castor, and citrus.

Options :

1. ✘ Only III
2. ✘ Only II and III
3. ✔ Only I and III
4. ✘ I, II and III

Question Number : 35 Question Id : 630680220809 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In the context of grapevine crop, which of the following pair of Disease: Pesticide is correct?

- I. Anthracnose: Topsin-M
- II. Downy Mildew: Fytolan
- III. Dead-arm: Mancozeb

Options :

1. ✘ Only I and II
2. ✘ Only II and III
3. ✔ I, II and III
4. ✘ Only I and III

Question Number : 36 Question Id : 630680220810 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Match the following in the context of synthetic organic insecticides.

	Type of Insecticide		Insecticide
I	Organochlorines	1	Phorate
II	Organophosphorus	2	Aldrin
III	Carbamates	3	Isolan

Options :

1. ✘ I-3, II-2, III-1
2. ✘ I-1, II-2, III-3
3. ✘ I-2, II-3, III-1
4. ✔ I-2, II-1, III-3

Question Number : 37 Question Id : 630680220811 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In the context of Nematodes, arrange the following in hierarchical order.

- P. Nemata
Q. Adenophorea
R. Isolaimida
S. Enlopia

Options :

1. ✘ PQRS
2. ✔ PQSR
3. ✘ PRQS
4. ✘ PSQR

Question Number : 38 Question Id : 630680220812 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Arrange the following segments of an insect leg in a correct logical order.

Options :

1. ✔ Coxa, Trochanter, Femur, Tibia
2. ✘ Coxa, Trochanter, Tibia, Femur
3. ✘ Tibia, Trochanter, Femur, Coxa
4. ✘ Trochanter, Femur, Coxa, Tibia

Question Number : 39 Question Id : 630680220813 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In the context of classification of insects, arrange the following in hierarchical order.

- P. Pterygota
Q. Odanta
R. Dragonflies

Options :

1. ✘ P, R, Q
2. ✘ R, P, Q
3. ✔ P, Q, R
4. ✘ Q, P, R

Question Number : 40 Question Id : 630680220814 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Arrange the following parts of a simple eye of an insect in a correct logical order.

- P. Cornea
Q. Rhabdom
R. Ocellar Nerve

Options :

1. ✘ Q, R, P
2. ✘ P, R, Q
3. ✘ Q, P, R
4. ✔ P, Q, R

Question Number : 41 Question Id : 630680220815 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following are the benefits of Rainwater Harvesting?

- I. Groundwater level is decreased
- II. Improves moisture content in the soil
- III. Reduces crack formation in walls and structures

Options :

1. ✔ Only II and III
2. ✘ Only I
3. ✘ Only I and II
4. ✘ Only III

Question Number : 42 Question Id : 630680220816 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is NOT correct regarding Plane Table Survey?

- I. The measurements of survey lines of the traverse and their plotting to a suitable scale are not done simultaneously.
- II. Alidade and Plumbing fork are the only instruments required for plane table method.

Options :

1. ✔ Only I
2. ✘ Only II
3. ✘ Both I and II
4. ✘ Neither I nor II

Question Number : 43 Question Id : 630680220817 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Even span type greenhouse can accommodate how many rows of plant benches?

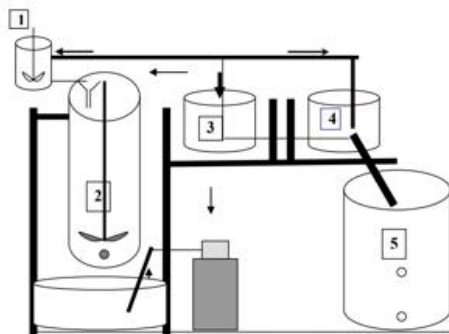
Options :

1. ✘ 9 or 10
2. ✘ 16 or 17
3. ✔ 2 or 3
4. ✘ 32 or 35

Question Number : 44 Question Id : 630680220818 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In the context of given Biodiesel pilot plant diagrammatic sketch, which of the following option describes the instrument numbered '1'?



Options :

1. ✘ Main reactor
2. ✘ Washing tank

3. ✘ Settling tank
4. ✔ Mixing tank for chemical

Question Number : 45 Question Id : 630680220819 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Match the following biomass resources with their conversion processes.

	Resources		Conversion Process
I	Oil crops	1	Digestion
II	Sugar and starch plants	2	Hydrolysis and fermentation
III	Wet biomass	3	Extraction and esterification

Options :

1. ✘ I-2, II-3, III-1
2. ✔ I-3, II-2, III-1
3. ✘ I-1, II-2, III-3
4. ✘ I-3, II-1, III-2

Question Number : 46 Question Id : 630680220820 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

How much volume of liquid can be handled by the High-Volume sprayer used in agriculture?

Options :

1. ✔ More than 400 litres/ha
2. ✘ 5 to 100 litres/ha
3. ✘ Less than 5 litres/ha
4. ✘ 150 to 200 litres/ha

Question Number : 47 Question Id : 630680220821 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In terms of wind energy, the wind speed that will turn an unloaded rotor is called _____.

Options :

1. ✔ Start-up wind speed
2. ✘ Cut-in wind speed
3. ✘ Rated wind speed
4. ✘ Furling wind speed

Question Number : 48 Question Id : 630680220822 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Establishment of Green/Polyhouses is a flagship programme which was launched in Telangana during _____.

Options :

1. ✘ 2017-18
2. ✔ 2014-15
3. ✘ 2020-21
4. ✘ 2019-20

Question Number : 49 Question Id : 630680220823 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following pair of 'fruit: pigment found in it' is correct?

- I. Mango : Carotenoids
II. Guava : Chlorophyll
III. Pear : Anthoxanthins

Options :

1. ✘ Only II and III
2. ✘ Only III
3. ✘ Only I and II
4. ✔ I, II and III

Question Number : 50 Question Id : 630680220824 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is a generic name for the substance which promotes cell division and it is also known as phytoakinin?

Options :

1. ✘ Auxin
2. ✔ Cytokinin
3. ✘ Gibberellins
4. ✘ Ethylene

Question Number : 51 Question Id : 630680220825 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Arrange the following steps involved in designing outdoor Landscapes through Computer Aided Designing in correct logical order.

- P. Conducting a site inventory and analysis
 Q. Determining needs
 R. Creating functional diagrams
 S. Developing conceptual design
 T. Drawing a final design plan

Options :

1. ✔ P, Q, R, S, T
2. ✘ Q, P, T, S, R
3. ✘ P, S, R, Q, T
4. ✘ P, Q, T, R, S

Question Number : 52 Question Id : 630680220826 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is also known as Flamingo Lily or Flamingo Flower?

Options :

1. ✘ Bird of Paradise
2. ✘ Jasmine
3. ✔ Anthurium
4. ✘ Carnation

Question Number : 53 Question Id : 630680220827 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Different stones are used to beautify surroundings of Japanese Hill gardens. Which stone resembles trunk of an animal?

Options :

1. ✘ Statue stone
2. ✔ Recumbent or OX stone
3. ✘ Arching stone
4. ✘ Low vertical stone

Question Number : 54 Question Id : 630680220828 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following are the advantages of sexual propagation of plants?

- I. Seedling plants produce yield of inferior quality.
 II. Seedling plants are long and gigantic in stature.

Options :

1. ✘ Only I
2. ✘ Only II
3. ✘ Both I and II

4. ✓ Neither I nor II

Question Number : 55 Question Id : 630680220829 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Which of the following is the disadvantage of vegetative propagation of plants?

- I. Vegetatively propagated plants are usually prone to suckering.
- II. It is a specialised task and requires technical skill.
- III. Vegetatively propagated plants come into bearing earlier than the seedling trees.

Options :

1. ✗ Only II and III
2. ✗ Only III
3. ✓ Only I and II
4. ✗ Only I

Question Number : 56 Question Id : 630680220830 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Sugar/acid ratio, TSS is the chemical criteria of maturity for harvesting of which fruit?

Options :

1. ✗ Papaya
2. ✓ Citrus
3. ✗ Mango
4. ✗ Apple

Question Number : 57 Question Id : 630680220831 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

In the context of cooling horticultural crops, which cooling takes place by evaporating water from the product at very low atmospheric pressure?

Options :

1. ✓ Vacuum cooling
2. ✗ Serpentine cooling
3. ✗ Tunnel-type forced air cooling
4. ✗ Cold wall

Question Number : 58 Question Id : 630680220832 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Vinegar made from which fruit juice is known as cider?

Options :

1. ✗ Banana
2. ✓ Apple
3. ✗ Jamun
4. ✗ Orange

Question Number : 59 Question Id : 630680220833 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

In the context of methods of training of an orchard, in central leader system the first branch is allowed to grow at how much height from the ground level?

Options :

1. ✗ 100 cm to 120 cm
2. ✗ 140 cm to 200 cm
3. ✓ 45 cm to 50 cm
4. ✗ 10 cm to 300 cm

Question Number : 60 Question Id : 630680220834 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Match the following.

	Methods of Pruning		Description
I	Thinning	1	Selective and complete removal of part of the plant
II	Heading Back	2	Removal of terminal portion of shoot leaving basal portion intact
III	Nicking	3	Making a notch below a bud by removing a wedge-shaped piece of bark

Options :

1. ✓ I-1, II-2, III-3
2. ✗ I-1, II-3, III-2
3. ✗ I-3, II-1, III-2
4. ✗ I-2, II-3, III-1

Question Number : 61 Question Id : 630680220835 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In Telangana, which pair regarding cultivars of ber is correct?

- I. Early Varieties : Kaithali
- II. Mid-season Varieties : Umran

Options :

1. ✗ Only I
2. ✗ Only II
3. ✓ Both I and II
4. ✗ Neither I nor II

Question Number : 62 Question Id : 630680220836 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Match the following.

	Crop		Variety of the crop
I	Large cardamom	1	Tenera
II	Oil palms	2	Ramsey
III	Arecanut	3	Mangala

Options :

1. ✗ I-2, II-3, III-1
2. ✓ I-2, II-1, III-3
3. ✗ I-1, II-2, III-3
4. ✗ I-3, II-2, III-1

Question Number : 63 Question Id : 630680220837 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which section of The Seeds Act, 1966 of India is concerned with the Central Seed Committee?

Options :

1. ✓ Section 3
2. ✗ Section 10
3. ✗ Section 7
4. ✗ Section 22

Question Number : 64 Question Id : 630680220838 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is NOT correct regarding Seed Production?

- I. Maintenance of genetic purity is important.
- II. Roguing is not practiced.
- III. Basic seed should be from an authentic source.

Options :

- 1. Only I and III
- 2. Only II
- 3. Only II and III
- 4. Only I

Question Number : 65 Question Id : 630680220839 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In the context of seed storage, bacteria require a minimum _____ relative humidity for their growth and development.

Options :

- 1. 10 per cent
- 2. 30 per cent
- 3. 15 per cent
- 4. 90 per cent

Question Number : 66 Question Id : 630680220840 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

The storage period of commercial seeds ranges from _____.

Options :

- 1. 36 to 44 months
- 2. 10 to 15 days
- 3. 8 to 9 months
- 4. 60 to 72 months

Question Number : 67 Question Id : 630680220841 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is the function of water in plant system?

- I. Water increases the rate of respiration.
- II. Water helps in translocation of solutes.

Options :

- 1. Only I
- 2. Only II
- 3. Both I and II
- 4. Neither I nor II

Question Number : 68 Question Id : 630680220842 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In the context of photosynthetic pigments, which of the following statement is correct?

- I. Chlorophylls and Carotenoids are insoluble in water.
- II. Carotenoids include carotenes but not xanthophylls.

Options :

- 1. Only I
- 2. Only II
- 3. Both I and II
- 4. Neither I nor II

Question Number : 69 Question Id : 630680220843 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which plant growth regulator stimulates the closure of stomata in the epidermis and increases the tolerance of plants to various kinds of stresses and this plant growth regulator is also called the stress hormone?

Options :

1. ✘ Auxins
2. ✔ Abscisic acid
3. ✘ Ethylene
4. ✘ Cytokinins

Question Number : 70 Question Id : 630680220844 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

'Culture of plant cells devoid of their cell walls.' This given statement represents which plant tissue culture?

Options :

1. ✔ Protoplast culture
2. ✘ Embryo culture
3. ✘ Callus culture
4. ✘ Seed culture

Question Number : 71 Question Id : 630680220845 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Due to genetic transformation, insect resistance was first reported in _____.

Options :

1. ✘ onion
2. ✘ cabbage
3. ✘ beans
4. ✔ tomato

Question Number : 72 Question Id : 630680220846 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Section 4 of the Seeds Act, 1966 is concerned with which of the following?

Options :

1. ✔ Central Seed Laboratory and State Seed Laboratory
2. ✘ Power to notify kinds or varieties of seeds
3. ✘ Regulation of sale of seeds of notified kinds or varieties
4. ✘ Certification agency

Question Number : 73 Question Id : 630680220847 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Lactose is a reducing disaccharide found only in _____.

Options :

1. ✘ fruits
2. ✘ meat
3. ✔ milk
4. ✘ egg

Question Number : 74 Question Id : 630680220848 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

What is the shape of mesophyll cells?

Options :

1. ✘ Cuboidal and elongated
2. ✘ Round and biconcave
3. ✘ Long and narrow
4. ✔ Round and oval

Question Number : 75 Question Id : 630680220849 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Acoustillite is used as a sound absorbent to control noise pollution. It is made up of _____.

Options :

1. ✘ coarse cotton fibers
2. ✘ gypsum
3. ✔ compressed wood pulp
4. ✘ pieces of corks treated with linseed oil

Question Number : 76 Question Id : 630680220850 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which biofertilizer is used for leguminous crops?

Options :

1. ✘ Azospirillum
2. ✘ Arbuscular mycorrhiza
3. ✘ Azolla
4. ✔ Rhizobium

Question Number : 77 Question Id : 630680220851 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In prokaryotes, ribosomes are associated with which part of the cell?

Options :

1. ✘ Cell wall
2. ✘ Nucleus
3. ✔ Plasma membrane
4. ✘ Cytoplasm

Question Number : 78 Question Id : 630680220852 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

The anaerobic bacteria having the ability to fix molecular nitrogen can come under the genera of _____.

Options :

1. ✔ Chromatium
2. ✘ Mycobacterium
3. ✘ Azospirillum
4. ✘ Derxia

Question Number : 79 Question Id : 630680220853 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Bacterial flagellum is composed of how many parts?

Options :

1. ✘ Five
2. ✔ Three
3. ✘ Two
4. ✘ Four

Question Number : 80 Question Id : 630680220854 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

The degradation of the carbon skeletons of 20 amino acids converges to _____ metabolic intermediates.

Options :

1. ✘ Six
2. ✘ Nine
3. ✘ Four
4. ✔ Seven

Question Number : 81 Question Id : 630680220855 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statements is correct regarding the air pollutant Carbon Monoxide?

- I. It is a colourless, odourless and tasteless gas.
- II. It interferes with the blood's ability to carry oxygen to the cells of the body.

Options :

1. ✘ Only I
2. ✘ Only II
3. ✔ Both I and II
4. ✘ Neither I nor II

Question Number : 82 Question Id : 630680220856 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statements is correct regarding Golgi Apparatus in a cell?

- I. They are made up of many flat, disc shaped sacs which are stacked parallel to each other.
- II. It principally performs the function of packaging materials.

Options :

1. ✘ Only I
2. ✘ Only II
3. ✔ Both I and II
4. ✘ Neither I nor II

Question Number : 83 Question Id : 630680220857 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statements is correct regarding the bacteria pesticide called Bacillus thuringiensis (Bt)?

- I. It is a gram-positive bacterium.
- II. These can be used in controlling mosquitoes and blackflies.

Options :

1. ✘ Only I
2. ✘ Only II
3. ✔ Both I and II
4. ✘ Neither I nor II

Question Number : 84 Question Id : 630680220858 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statements is correct with respect to the presence of Actinomycetes in soil?

- I. 70 percent of soil actinomycetes are Streptomyces.
- II. Their population decreases with depth of soil.
- III. They are numerous and widely distributed in soil.

Options :

1. ✘ I, II and III
2. ✘ II and III
3. ✘ Only I
4. ✔ I and III

Question Number : 85 Question Id : 630680220859 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statements is correct regarding the greenhouse effect?

- I. The greenhouse effect adds 33°C of warming to the surface of the earth.
- II. Radiatively active gases that absorb wavelengths longer than 4 μm are called greenhouse gases.
- III. Carbon dioxide is a greenhouse gas that is confined to the troposphere.

Options :

1. ✔ I, II and III
2. ✘ I and III
3. ✘ Only III
4. ✘ II and III

Question Number : 86 Question Id : 630680220860 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Match the following common spoilage organisms and their food products they spoil.

	Organism		Food product
A	Clostridium	1	Milk
B	Lactococcus	2	High sugar foods
C	Acinetobacter	3	Fresh meat, poultry, and seafood

Options :

1. ✖ A-1, B-3, C-2
2. ✔ A-2, B-1, C-3
3. ✖ A-1, B-2, C-3
4. ✖ A-2, B-3, C-1

Question Number : 87 Question Id : 630680220861 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Considering the heavy metal pollution, match the following heavy metals with their effects.

	Metal		Effects
A	Mercury	1	Itai Itai disease
B	Cadmium	2	Blackening in fish
C	Lead	3	Minamoto disease

Options :

1. ✖ A-1, B-3, C-2
2. ✔ A-3, B-1, C-2
3. ✖ A-2, B-1, C-3
4. ✖ A-3, B-2, C-1

Question Number : 88 Question Id : 630680220862 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Considering the classification of protein amino acids, which of the following pairs is correct?

- I. Non-polar aromatic R groups: Glutamic acid
- II. Charged R groups: Tyrosine

Options :

1. ✖ Only I
2. ✖ Only II
3. ✖ Both I and II
4. ✔ Neither I nor II

Question Number : 89 Question Id : 630680220863 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 0.0

Correct Marks : 2 Wrong Marks : 0

Consider the following pairs of Azotobacter species and their diagnostic features. Choose the correct pair.

- I. Macrocytogenes : Pink soluble pigments
- II. Chroococcum : Green insoluble pigments
- III. Insignis : Yellow brown pigments

Options :

1. ✔ I and III

2. ✖ I, II and III
3. ✖ Only II
4. ✖ Only I

Question Number : 90 Question Id : 630680220864 Option Shuffling : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Arrange the following five steps of the citric acid cycle in the correct order.

- A. Formation of citrate
- B. Oxidation of isocitrate to -ketoglutarate
- C. Formation of isocitrate via cis-aconitate
- D. Oxidation of -ketoglutarate to succinyl CoA
- E. Conversion of succinyl CoA to succinate

Options :

1. ✖ A, D, E, C, B
2. ✖ A, B, C, D, E
3. ✔ A, C, B, D, E
4. ✖ A, E, B, D, C

Question Number : 91 Question Id : 630680220865 Option Shuffling : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Name the process that uses microorganisms, fungi, green plants or their enzymes to return the environment altered by contaminants to its original condition.

Options :

1. ✖ Biostimulation
2. ✖ Biosequence
3. ✖ Bioaccumulation
4. ✔ Bioremediation

Question Number : 92 Question Id : 630680220866 Option Shuffling : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Alkali or sodic soil is defined as a soil having an exchangeable sodium percentage greater than _____.

Options :

1. ✔ 15
2. ✖ 20
3. ✖ 10
4. ✖ 8

Question Number : 93 Question Id : 630680220867 Option Shuffling : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

The concentration of a substance in eroded sediment divided by its concentration in the source soil prior to being eroded is called _____.

Options :

1. ✖ Saturation ratio
2. ✖ Soil cation ratio
3. ✖ C:N ratio
4. ✔ Enrichment ratio

Question Number : 94 Question Id : 630680220868 Option Shuffling : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 2 Wrong Marks : 0

Internal cracking in an apple occurs due to the deficiency of _____.

Options :

1. ✖ Iron
2. ✖ Manganese
3. ✔ Boron
4. ✖ Zinc

Question Number : 95 Question Id : 630680220869 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is an example of concentrated organic manure?

Options :

1. ✘ Groundnut husk
2. ✔ Blood meal
3. ✘ Ash coal
4. ✘ Linseed cake

Question Number : 96 Question Id : 630680220870 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In plants, under severe deficiency, rapid increase in growth with added nutrient can cause a small decrease in nutrient concentration due to dilution effect. This is called the _____.

Options :

1. ✔ Steenberg effect
2. ✘ Hidden hunger effect
3. ✘ Piper effect
4. ✘ Luxury consumption effect

Question Number : 97 Question Id : 630680220871 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

What is the principle defining feature of Gelisols?

Options :

1. ✔ Presence of a permafrost layer
2. ✘ Presence of volcanic ash
3. ✘ Presence of partially decomposed organic matter
4. ✘ Presence of iron and aluminium oxide

Question Number : 98 Question Id : 630680220872 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In blockline structure of soil, what is the range of blocky peds?

Options :

1. ✘ About 1 to 100 mm across
2. ✔ About 5 to 50 mm across
3. ✘ About 100 to 150 mm across
4. ✘ About 10 to 70 mm across

Question Number : 99 Question Id : 630680220873 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

While comparing native fertility of a soil, in experiments that are conducted at different locations, percent yield is used. What is the formula for calculating per cent yield?

Options :

1. ✘ $(\text{Yield in standard treatment} - \text{Yield without fertilizer nutrient} / \text{Maximum Yield attained}) * 100$
2. ✘ $(\text{Yield in standard treatment} / \text{Yield without fertilizer nutrient}) * 100$
3. ✔ $(\text{Yield without fertilizer nutrient} / \text{Yield in standard treatment}) * 100$
4. ✘ $(\text{Yield in standard treatment} + \text{Yield without fertilizer nutrient} / \text{Maximum Yield attained}) * 100$

Question Number : 100 Question Id : 630680220874 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

The deficiency of Manganese (Mn) causes which of the following conditions in plants?

- I. Occurrence of Interveneal chlorosis.
- II. Aspartic acid decreases and glutamine increases.

Options :

1. ✓ Only I
2. ✗ Only II
3. ✗ Both I and II
4. ✗ Neither I nor II

Question Number : 101 Question Id : 630680220875 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following materials are found in the B horizon layer of soil?

- I. Coatings of iron and aluminium oxides
- II. A concentration of soluble salts

Options :

1. ✗ Only I
2. ✗ Only II
3. ✓ Both I and II
4. ✗ Neither I nor II

Question Number : 102 Question Id : 630680220876 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following factors govern the lime requirement in a soil?

- I. The required change in pH
- II. The fineness of the liming materials
- III. The buffer capacity of the soil to be limed

Options :

1. ✗ I and II
2. ✗ II and III
3. ✓ I, II and III
4. ✗ Only III

Question Number : 103 Question Id : 630680220877 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Match the following definition with their terms.

	Definition		Term
A	The matted, partly decomposed organic surface layer of forest soils.	1	Argillan
B	Thin, flat fragments of limestone, sandstone or schist up to 15 cm in major diameter.	2	Channery
C	A clay film	3	Duff

Options :

1. ✗ A-1, B-3, C-2
2. ✓ A-3, B-2, C-1
3. ✗ A-1, B-2, C-3
4. ✗ A-2, B-3, C-1

Question Number : 104 Question Id : 630680220878 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Consider the following pairs of plant species: their threshold salinity ($\text{dS}^{\text{m}^{-1}}$). Choose the correct pair.

- I. Cotton – 3.2
- II. Wheat – 6.0
- III. Rice – 3.0

Options :

1. ✘ I and II
2. ✔ II and III
3. ✘ I, II and III
4. ✘ Only III

Question Number : 105 Question Id : 630680220879 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Considering the classification of essential elements based on the role of element in plant system, choose the correct pair. (According to TRUOG, 1954).

- I. Accessory structural elements: N, P, S
- II. Regulator and carriers: Fe, Mn, Zn
- III. Catalyst and activators: K, Ca, Mg

Options :

1. ✘ I and II
2. ✘ I and III
3. ✘ II and III
4. ✔ Only I

Question Number : 106 Question Id : 630680220880 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Arrange the following major grades of fertilizers in decreasing order of their consumption in India.

- A. Nitrogenous
- B. Phosphatic
- C. Potassic

Options :

1. ✘ A, C, B
2. ✘ B, A, C
3. ✔ A, B, C
4. ✘ C, B, A

Question Number : 107 Question Id : 630680220881 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Arrange the following crops in the increasing order of their sodicity tolerance ratings.

- A. Rice
- B. Avocado
- C. Soybean
- D. Cotton

Options :

1. ✘ C, D, A, B
2. ✘ B, A, D, C
3. ✘ D, A, B, C
4. ✔ B, C, D, A

Question Number : 108 Question Id : 630680220882 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Considering the biochemical pathway followed during denitrification, which of the following is given in the correct order?

Options :

1. ✘ Nitrate → Nitric Oxide → Nitrite → Nitrous oxide → Nitrogen
2. ✘ Nitrate → Nitrous oxide → Nitrite → Nitric Oxide → Nitrogen
3. ✔ Nitrate → Nitrite → Nitric Oxide → Nitrous oxide → Nitrogen
4. ✘ Nitrogen → Nitrite → Nitric Oxide → Nitrous oxide → Nitrate

Question Number : 109 Question Id : 630680220883 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

What is the correct order (increasing order) of given soil types as per their bulk densities?

Options :

1. ✘ Cultivated clay – Histosols – Vertisols (when dry)
2. ✔ Histosols – Cultivated clay – Vertisols (when dry)
3. ✘ Vertisols (when dry) – Histosols – Cultivated clay
4. ✘ Histosols – Vertisols (when dry) – Cultivated clay

Question Number : 110 Question Id : 630680220884 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Considering the hierarchical categories of classification in soil taxonomy, which of the following is given in the correct order (top to bottom)?

- A. Suborder
- B. Great group
- C. Family
- D. Series
- E. Subgroup
- F. Order

Options :

1. ✔ F-A-B-E-C-D
2. ✘ F-B-E-A-C-D
3. ✘ A-B-E-C-D-F
4. ✘ A-F-B-E-C-D

Question Number : 111 Question Id : 630680220885 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Arrange the following sections of the Protection of Plant Varieties and Farmers' Rights act, 2001 on basis of increasing order of their section number.

- I. National register of Plant Varieties
- II. Breeder to deposit seeds or propagating material
- III. Establishment of authority
- IV. Appeals to Tribunal

Options :

1. ✘ III, II, I, IV
2. ✘ IV, III, I, II
3. ✔ III, I, II, IV
4. ✘ II, III, I, IV

Question Number : 112 Question Id : 630680220886 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

The Golgi apparatus is typically comprised of a series of five to eight cup-shaped, membrane covered sacs called _____.

Options :

1. ✔ Cisternae
2. ✘ Porin
3. ✘ Lumen
4. ✘ Vesicles

Question Number : 113 Question Id : 630680220887 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct about cytoplasm?

- I. Part of plant cells outside the nucleus is called cytoplasm.
- II. Cytoplasm includes all the organelles such as mitochondria, chloroplasts etc.

Options :

1. ✘ Only I
2. ✘ Only II
3. ✔ Both I and II
4. ✘ Neither I nor II

Question Number : 114 Question Id : 630680220888 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statements is NOT correct about chromoplasts?

- I. They are red, yellow or orange in colour due to the two pigments, carotene and xanthophyll.
 II. They are found in petals of flowers.

Options :

1. ✘ Only I
2. ✘ Only II
3. ✘ Both I and II
4. ✔ Neither I nor II

Question Number : 115 Question Id : 630680220889 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

'Hinderance to self-pollination due to physical barriers such as presence of hyline membrane around the anther.' This given statement represents which mechanism that promotes cross-pollination?

Options :

1. ✘ Dicliny
2. ✘ Dichogamy
3. ✘ Heterostyly
4. ✔ Herkogamy

Question Number : 116 Question Id : 630680220890 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

As per Mendel's experiments, what is the dihybrid ratio of yellow round, yellow wrinkled, green round and green wrinkled in generation F₂?

Options :

1. ✘ 3 : 3 : 3 : 1
2. ✘ 9 : 1 : 1 : 3
3. ✔ 9 : 3 : 3 : 1
4. ✘ 9 : 1 : 3 : 1

Question Number : 117 Question Id : 630680220891 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In the context of Mendel's law of inheritance, which pair is correct for maize plant?

Options :

1. ✘ Recessive character – Starchy seeds
2. ✔ Recessive character – Shrunken Endosperm
3. ✘ Dominant character – Colourless pericarp
4. ✘ Dominant character – Starchy seeds

Question Number : 118 Question Id : 630680220892 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following are the effects of inbreeding?

- I. Increase in homozygosity
 II. Reduction in vigour: appearance of dwarf plants
 III. Increment in yield

Options :

1. ✔ Only I and II
2. ✘ Only III
3. ✘ I, II and III
4. ✘ Only II and III

Question Number : 119 Question Id : 630680220893 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Based on the degree of inbreeding depression, arrange the following in the correct order from high to low.

P. Carrot

Q. Sunflower
R. Jowar

Options :

1. ✘ P, Q, R
2. ✔ P, R, Q
3. ✘ Q, P, R
4. ✘ R, P, Q

Question Number : 120 Question Id : 630680220894 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 0.0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct in context of types of Heterosis?

- I. Heterobeltiosis refers to superiority of F_1 over the better parent.
- II. Average heterosis is the heterosis where F_1 is superior to mid parent value.

Options :

1. ✘ Only I
2. ✘ Only II
3. ✔ Both I and II
4. ✘ Neither I nor II

Question Number : 121 Question Id : 630680220895 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In the context of Drought Resistance, which of the following comes under Drought Avoidance mechanism?

Options :

1. ✘ Root growth
2. ✘ Cuticular resistance
3. ✘ Stomal control
4. ✔ Xeromorphic traits

Question Number : 122 Question Id : 630680220896 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following represents the nature of Insect resistance of crops?

- I. Hairiness of leaves
- II. Thickness of plant tissue
- III. Presence of silica in plant body

Options :

1. ✘ Only II and III
2. ✔ I, II and III
3. ✘ Only II
4. ✘ Only I and II

Question Number : 123 Question Id : 630680220897 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

'Compulsory variety denomination' comes under which section of the Protection of Plant Varieties and Farmers' Right Act, 2001?

Options :

1. ✘ Section 5
2. ✘ Section 11
3. ✘ Section 13
4. ✔ Section 17

Question Number : 124 Question Id : 630680220898 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Chapter VI of the Protection of Plant Varieties and Farmers' Rights Act, 2001 is concerned with which of the following?

Options :

1. ✘ Finance, Accounts and Audit

2. ✘ Compulsory Licence
3. ✔ Farmers' Rights
4. ✘ Plant Varieties Protection Appellant Tribunal

Question Number : 125 Question Id : 630680220899 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is the characteristics of Pureline selection?

- I. All plants within a pure line have the same genotype
- II. The variation within a pureline is environmental and non-heritable
- III. Purelines become genetically variable with time due to natural hybridization, mutation and mechanical mixtures.

Options :

1. ✘ Only I and II
2. ✘ Only II and III
3. ✘ Only II
4. ✔ I, II and III

Question Number : 126 Question Id : 630680220900 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is the correct chronological order (first to last) of milestones of agricultural development in pre-independent India?

- I. Domestication of cattle.
- II. Construction of Krishnaraja sagar Project in Mysore.
- III. First headquarters of IMD started at Alipore, Kolkata.
- IV. Grafting technique was introduced by the Portuguese travellers in Goa.

Options :

1. ✔ I, IV, III, II
2. ✘ I, IV, II, III
3. ✘ I, III, IV, II
4. ✘ I, III, II, IV

Question Number : 127 Question Id : 630680220901 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In which year was the National Bank for Agriculture and Rural Development (NABARD) was established to undertake the agricultural credit related functions of the Reserve Bank of India?

Options :

1. ✘ 1978
2. ✔ 1982
3. ✘ 1986
4. ✘ 1974

Question Number : 128 Question Id : 630680220902 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following district of Telangana falls under the South Telangana Agroclimatic zone?

Options :

1. ✘ Adilabad
2. ✘ Warangal
3. ✔ Hyderabad
4. ✘ Nizamabad

Question Number : 129 Question Id : 630680220903 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

According to ICAR, how many Agroclimatic zones are there in India?

Options :

1. ✘ 10
2. ✘ 9

3. ✖ 7

4. ✔ 8

Question Number : 130 Question Id : 630680220904 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct?

- I. Winter rainfall is restricted more to Northern India and is received in the form of snow on the hills and as rains in the plains of Punjab, Rajasthan and Central India.
- II. Southwest monsoon is the most important as it contribute 80 – 95% of the total rainfall of India.

Options :

1. ✖ Only I
2. ✖ Only II
3. ✔ Both I and II
4. ✖ Neither I nor II

Question Number : 131 Question Id : 630680220905 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is the correct increasing order of the areas in terms of the rainfall received by them?

Options :

1. ✖ Arid, Semi-Arid, Humid, Sub-Arid
2. ✔ Arid, Semi-Arid, Sub-Arid, Humid
3. ✖ Humid, Arid, Semi-Arid, Sub-Arid
4. ✖ Humid, Sub-Arid, Arid, Semi-Arid

Question Number : 132 Question Id : 630680220906 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Narrow black lines on synoptic charts represent _____.

Options :

1. ✔ Isobars
2. ✖ Precipitation
3. ✖ Wind direction
4. ✖ Wind velocity

Question Number : 133 Question Id : 630680220907 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

As per 2019-20, which of the following shows the correct decreasing order of the area under the given crops in India?

Options :

1. ✖ Wheat, Rice, Oilseed, Sugarcane
2. ✔ Rice, Wheat, Oilseed, Sugarcane
3. ✖ Wheat, Rice, Sugarcane, Oilseed
4. ✖ Rice, Wheat, Sugarcane, Oilseed

Question Number : 134 Question Id : 630680220908 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

In Telangana which crop had the highest production among the following in year 2020 (Vanakalam and Yasangi combined)?

Options :

1. ✖ Ragi
2. ✖ Wheat
3. ✔ Paddy
4. ✖ Bajra

Question Number : 135 Question Id : 630680220909 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding principles of mixed cropping?

- I. Legumes should be sown with non-legumes examples arhar with jowar, gram with wheat.
- II. Tall growing crops should be sown with short growing crops.

Options :

1. ✘ Only I
2. ✘ Only II
3. ✔ Both I and II
4. ✘ Neither I nor II

Question Number : 136 Question Id : 630680220910 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding the cropping pattern in Telangana?

- I. In Telangana State, crops are grown in both Vanakalam and Yasangi seasons.
- II. During 2020-21, the area under agricultural crops during Vanakalam was 135.63 lakh acres.
- III. During 2020-21, the area under agricultural crops during Yasangi it is 68.16 lakh acres.

Options :

1. ✘ Only I and II
2. ✘ Only II and III
3. ✘ Only I and III
4. ✔ I, II and III

Question Number : 137 Question Id : 630680220911 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Negative Marks Display Text : 0.0

Correct Marks : 2 Wrong Marks : 0

As per the Economic Survey 2022-23 of India, which of the following is the correct increasing order in terms of yield per hectare in 2021-22?

Options :

1. ✔ Wheat, Bajra, Jowar
2. ✘ Wheat, Jowar, Bajra
3. ✘ Bajra, Wheat, Jowar
4. ✘ Bajra, Jowar, Wheat

Question Number : 138 Question Id : 630680220912 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

As per the Economic Survey 2022-23 of India, what was the yield per hectare of oilseeds in 2021-22?

Options :

1. ✘ 356
2. ✔ 1292
3. ✘ 3567
4. ✘ 5672

Question Number : 139 Question Id : 630680220913 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following statement is NOT correct regarding the cropping systems and patterns?

Options :

1. ✔ In Synergistic cropping the yield of one crop is not affected by the other. In other words, the yield of both the crops is equal to their pure crop.
2. ✘ Under the guard crops system of cropping, the main crop is grown in the centre, surrounded by hardy or thorny crops.
3. ✘ Relay cropping is analogous in a relay race where a crop hands over a baton (land) to the next crop in quick succession.
4. ✘ Growing plants of different heights in the same field at the same time is termed as multi-storeyed cropping.

Question Number : 140 Question Id : 630680220914 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is a characteristic of Sea Breeze?

Options :

1. ✘ Flows from land

2. ✓ Occurs in day time
3. ✗ Do not have more moisture
4. ✗ Produces cooler winters and warmer summers

Question Number : 141 Question Id : 630680220915 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Match the following methods of control of weeds with their respective types.

Method		Type	
1.	Hoeing	I.	Cultural
2.	Crop rotation	II.	Biological
3.	Parasite and pathogens	III.	Mechanical

Options :

1. ✓ 1 – III, 2 – I, 3 – II
2. ✗ 1 – III, 2 – II, 3 – I
3. ✗ 1 – II, 2 – I, 3 – III
4. ✗ 1 – II, 2 – III, 3 – I

Question Number : 142 Question Id : 630680220916 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

What percentage of total geographical area of Telangana is under forests?

Options :

1. ✗ 38.65%
2. ✓ 24.07%
3. ✗ 18.25%
4. ✗ 33.56%

Question Number : 143 Question Id : 630680220917 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Which of the following statement is correct regarding Alley Cropping?

- I. It involves managing rows of closely planted (within row) woody plants with annual crops planted in alleys in between hedges.
- II. Where nitrogen is required for crop production, nitrogen-fixing plants are the main components of this cropping.
- III. It is also known as Multispecies Tree Gardens.

Options :

1. ✗ Only I and III
2. ✗ Only II and III
3. ✓ Only I and II
4. ✗ I, II and III

Question Number : 144 Question Id : 630680220918 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 2 Wrong Marks : 0

Which of the following pair of crop – annual water requirement (mm) is correct?

- I. Banana : 1200 to 2200
- II. Potato : 500 to 700

Options :

1. ✗ Only I
2. ✗ Only II
3. ✓ Both I and II
4. ✗ Neither I nor II

Question Number : 145 Question Id : 630680220919 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

On basis of electrical conductivity, Class A₅ irrigation water is _____.

Options :

1. ✘ normal water
2. ✘ low salinity water
3. ✘ medium salinity water
4. ✔ high salinity water

Question Number : 146 Question Id : 630680220920 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is a type of sub surface drainage?

Options :

1. ✘ Gravity drainage
2. ✔ Mole drainage
3. ✘ Field surface drainage
4. ✘ Lift drainage

Question Number : 147 Question Id : 630680220921 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

_____ irrigation is the application of water in to the furrows intermittently in a series of relatively short ON and OFF times of irrigation cycle.

Options :

1. ✘ All furrow
2. ✘ Alternate furrow
3. ✔ Surge
4. ✘ Skip furrow

Question Number : 148 Question Id : 630680220922 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Consider the statements given below.

“The bare ground between plants is covered with a layer of organic matter like straw. It helps to retain soil moisture.”

Which type of soil conservation measure is being talked about here?

Options :

1. ✘ Rock dam
2. ✔ Mulching
3. ✘ Terrace Farming
4. ✘ Intercropping

Question Number : 149 Question Id : 630680220923 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is a type of uncultivable wasteland?

Options :

1. ✘ Undulating land without shrubs
2. ✘ Salt affected land
3. ✘ Degraded forestland
4. ✔ Snow covered and glacier lands

Question Number : 150 Question Id : 630680220924 Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Wrong Marks : 0

Which of the following is the correct formula for moisture content (on weight basis) of soil on basis of oven drying method?

Options :

1. ✔ $\frac{\text{Wet weight} - \text{Dry weight}}{\text{Dry weight}} \times 100$

2. ✘
$$\frac{\text{Wet weight} + \text{Dry weight}}{\text{Dry weight}} \times 100$$

3. ✘
$$\frac{\text{Wet weight} - \text{Dry weight}}{\text{Wet weight}} \times 100$$

4. ✘
$$\frac{\text{Wet weight} + \text{Dry weight}}{\text{Wet weight}} \times 100$$