

National Testing Agency

Question Paper Name :	Horticulture Eng 27th June 2023 Shift 1
Subject Name :	Horticulture Eng
Creation Date :	2023-06-27 16:28:03
Duration :	120
Total Marks :	400
Display Marks:	Yes

Horticulture

Group Number :	1
Group Id :	920906280
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	400
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Part A

Section Id :	920906559
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	21
Number of Questions to be attempted :	21
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	920906904
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Id : 92090628240 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (1 to 5)

Question Label : Comprehension

Read the passage carefully and answer the question that follows:

The island of Bombay was acquired by the East India Company from the British government in 1668 and was immediately fortified. In Bombay the English found a large and easy-to-defend port. For that reason, and because English trade was threatened at the time by the rising Maratha power, Bombay soon superseded Surat as the headquarters of the Company on the west coast.

In Eastern India, the English Company had opened its first stat factories in Orissa in 1633. In 1651 it was given permission to trade at Hugli in Bengal. It soon opened factories at Patna in Bihar, Balasore in Orissa and Dhaka and other places in Bengal. It now desired that in Bengal too it should have an independent settlement. It dreamt of establishing political power in India which would enable it to compel the Mughals to allow them a free hand in trade, to force Indians to sell cheap, and buy dear, to keep the rival European traders out and to make its trade independent of the policies for it to appropriate Indian revenues and thus to conquer the country with its own resources. Such plans were explicitly put forward at the time. In 1687, the directors advised the governor of Madras to:

...establish such a policy of civil and military power and create and secure such a large revenue to maintain both as may be the foundation of a large, well-grounded, secure English dominion in India for all time to come.

In 1689 they declared:

The increase of our revenue is the subject of our care, as much as our trade: 'tis that must maintain our force, when twenty accidents may interrupt our trade; 'tis that must make us a nation in India...

Sub questions

Question Number : 1 Question Id : 92090628241 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements :

Statement I : In 1687, the directors advised the governor of Madras to: establish such a policy of civil and military power and create and secure such a large revenue to maintain both as may be the foundation of a large, well-grounded, secure English dominion in India for all time to come.

Statement II : In 1689 they declared: The decrease of our revenue is the subject of our care as much as our trade.

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

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is true but Statement II is false
- (4) Statement I is false but Statement II is true

Options :

- 920906111601. 1
- 920906111602. 2
- 920906111603. 3
- 920906111604. 4

Question Number : 2 Question Id : 92090628242 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Fill in the blanks from the options given below :

English trade was threatened at the time by the rising _____ power, Bombay soon superseded _____ as the headquarters of the company on the west coast.

- | | |
|-------------------|--------------------|
| (1) Maratha, Pune | (2) Bengali, Hugli |
| (3) Mughal, Surat | (4) Maratha, Surat |

Options :

- 920906111605. 1
- 920906111606. 2
- 920906111607. 3
- 920906111608. 4

Question Number : 3 Question Id : 92090628243 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Find out one word for the following phrase :

'Provide with defensive works as protection against attack'

- | | |
|------------|-------------|
| (1) Fence | (2) Fortify |
| (3) Bridge | (4) Foster |

Options :

920906111609. 1
920906111610. 2
920906111611. 3
920906111612. 4

Question Number : 4 Question Id : 92090628244 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Where did the East India Company open its first factories in eastern India?

- | | |
|------------|-----------------|
| (1) Assam | (2) Hugli |
| (3) Orissa | (4) West Bengal |

Options :

920906111613. 1
920906111614. 2
920906111615. 3
920906111616. 4

Question Number : 5 Question Id : 92090628245 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Why did the East India Company fortify the Bombay island immediately after acquiring from British government?

- | | |
|------------------------------------|-------------------------------------|
| (1) Because of rising Mughal Power | (2) Because of rising Maratha Power |
| (3) Because of rising Rajput Power | (4) Because of rising Swaraj Power |

Options :

920906111617. 1
920906111618. 2
920906111619. 3

Question Id : 92090628240 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (1 to 5)

Question Label : Comprehension

Read the passage carefully and answer the question that follows:

The island of Bombay was acquired by the East India Company from the British government in 1668 and was immediately fortified. In Bombay the English found a large and easy-to-defend port. For that reason, and because English trade was threatened at the time by the rising Maratha power, Bombay soon superseded Surat as the headquarters of the Company on the west coast.

In Eastern India, the English Company had opened its first factories in Orissa in 1633. In 1651 it was given permission to trade at Hugli in Bengal. It soon opened factories at Patna in Bihar, Balasore in Orissa and Dhaka and other places in Bengal. It now desired that in Bengal too it should have an independent settlement. It dreamt of establishing political power in India which would enable it to compel the Mughals to allow them a free hand in trade, to force Indians to sell cheap, and buy dear, to keep the rival European traders out and to make its trade independent of the policies for it to appropriate Indian revenues and thus to conquer the country with its own resources. Such plans were explicitly put forward at the time. In 1687, the directors advised the governor of Madras to:

...establish such a policy of civil and military power and create and secure such a large revenue to maintain both as may be the foundation of a large, well-grounded, secure English dominion in India for all time to come.

In 1689 they declared:

The increase of our revenue is the subject of our care, as much as our trade: 'tis that must maintain our force, when twenty accidents may interrupt our trade; 'tis that must make us a nation in India...

Sub questions

Question Number : 1 Question Id : 92090628241 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements :

Statement I : In 1687, the directors advised the governor of Madras to: establish such a policy of civil and military power and create and secure such a large revenue to maintain both as may be the foundation of a large, well-grounded, secure English dominion in India for all time to come.

Statement II : In 1689 they declared: The decrease of our revenue is the subject of our care as much as our trade.

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

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is true but Statement II is false
- (4) Statement I is false but Statement II is true

Options :

- 920906111601. 1
- 920906111602. 2
- 920906111603. 3
- 920906111604. 4

Question Number : 2 Question Id : 92090628242 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Fill in the blanks from the options given below :

English trade was threatened at the time by the rising _____ power, Bombay soon superseded _____ as the headquarters of the company on the west coast.

- | | |
|-------------------|--------------------|
| (1) Maratha, Pune | (2) Bengali, Hugli |
| (3) Mughal, Surat | (4) Maratha, Surat |

Options :

- 920906111605. 1
- 920906111606. 2
- 920906111607. 3
- 920906111608. 4

Question Number : 3 Question Id : 92090628243 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Find out one word for the following phrase :

'Provide with defensive works as protection against attack'

- | | |
|------------|-------------|
| (1) Fence | (2) Fortify |
| (3) Bridge | (4) Foster |

Options :

- 920906111609. 1
- 920906111610. 2
- 920906111611. 3
- 920906111612. 4

Question Number : 4 Question Id : 92090628244 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Where did the East India Company open its first factories in eastern India?

- | | |
|------------|-----------------|
| (1) Assam | (2) Hugli |
| (3) Orissa | (4) West Bengal |

Options :

- 920906111613. 1
- 920906111614. 2
- 920906111615. 3
- 920906111616. 4

Question Number : 5 Question Id : 92090628245 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Why did the East India Company fortify the Bombay island immediately after acquiring from British government?

- | | |
|------------------------------------|-------------------------------------|
| (1) Because of rising Mughal Power | (2) Because of rising Maratha Power |
| (3) Because of rising Rajput Power | (4) Because of rising Swaraj Power |

Options :

- 920906111617. 1
- 920906111618. 2
- 920906111619. 3

920906111620. 4

Sub-Section Number :

2

Sub-Section Id :

920906905

Question Shuffling Allowed :

Yes

Is Section Default? :

null

Question Number : 6 Question Id : 92090628246 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Fill in the blanks with appropriate prepositions from the options given below:

Directive principles of state policy are ____ the form _____ instructions / guidelines ____ the governments _____ the center.

(1) in, of, to, at

(2) in, with, for, at

(3) in, at, with, for

(4) in, for, by, at

Options :

920906111621. 1

920906111622. 2

920906111623. 3

920906111624. 4

Question Number : 6 Question Id : 92090628246 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Fill in the blanks with appropriate prepositions from the options given below:

Directive principles of state policy are ____ the form _____ instructions / guidelines ____ the governments _____ the center.

(1) in, of, to, at

(2) in, with, for, at

(3) in, at, with, for

(4) in, for, by, at

Options :

920906111621. 1

920906111622. 2

920906111623. 3

920906111624. 4

Question Number : 7 Question Id : 92090628247 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II :

List I (Word)	List II (Synonym)
(A) Elevated	(I) Promoted
(B) Dubious	(II) Potence
(C) Efficacy	(III) Unclear
(D) Disavow	(IV) Refuse

Choose the correct answer from the options given below:

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

Options :

920906111625. 1
920906111626. 2
920906111627. 3
920906111628. 4

Question Number : 7 Question Id : 92090628247 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II :

List I (Word)	List II (Synonym)
(A) Elevated	(I) Promoted
(B) Dubious	(II) Potence
(C) Efficacy	(III) Unclear
(D) Disavow	(IV) Refuse

Choose the correct answer from the options given below:

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

Options :

920906111625. 1
920906111626. 2

920906111627. 3

920906111628. 4

Question Number : 8 Question Id : 92090628248 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II :

List I (Word)	List II (Antonym)
(A) Fertile	(I) Final
(B) Gloomy	(II) Barren
(C) Refusal	(III) Cheerful
(D) Preliminary	(IV) Consent

Choose the correct answer from the options given below:

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

Options :

920906111629. 1

920906111630. 2

920906111631. 3

920906111632. 4

Question Number : 8 Question Id : 92090628248 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II :

List I (Word)	List II (Antonym)
(A) Fertile	(I) Final
(B) Gloomy	(II) Barren
(C) Refusal	(III) Cheerful
(D) Preliminary	(IV) Consent

Choose the correct answer from the options given below:

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

Options :

920906111629. 1
920906111630. 2
920906111631. 3
920906111632. 4

Question Number : 9 Question Id : 92090628249 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

One word substitution

The scientific study of the moon :

- | | |
|--------------|----------------|
| (1) Ontology | (2) Selenology |
| (3) Oncology | (4) Astrology |

Options :

920906111633. 1
920906111634. 2
920906111635. 3
920906111636. 4

Question Number : 9 Question Id : 92090628249 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

One word substitution

The scientific study of the moon :

- | | |
|--------------|----------------|
| (1) Ontology | (2) Selenology |
| (3) Oncology | (4) Astrology |

Options :

920906111633. 1
920906111634. 2
920906111635. 3
920906111636. 4

Question Number : 10 Question Id : 92090628250 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Find out the correct spelling :

“Excessive self criticism”

- | | |
|-------------------------|------------------------|
| (1) Self – Flagelasion | (2) Slef – Flagilation |
| (3) Self – Flagellation | (4) Self – Flegalation |

Options :

920906111637. 1
920906111638. 2
920906111639. 3
920906111640. 4

Question Number : 10 Question Id : 92090628250 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Find out the correct spelling :

“Excessive self criticism”

- | | |
|-------------------------|------------------------|
| (1) Self – Flagelasion | (2) Slef – Flagilation |
| (3) Self – Flagellation | (4) Self – Flegalation |

Options :

920906111637. 1
920906111638. 2
920906111639. 3

Question Number : 11 Question Id : 92090628251 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The ratio of the sum of two numbers and their difference is 3:2. The ratio of the greater number to the smaller number is :

- | | |
|-----------|-----------|
| (1) 2 : 3 | (2) 1 : 5 |
| (3) 5 : 1 | (4) 2 : 1 |

Options :

- 920906111641. 1
- 920906111642. 2
- 920906111643. 3
- 920906111644. 4

Question Number : 11 Question Id : 92090628251 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The ratio of the sum of two numbers and their difference is 3:2. The ratio of the greater number to the smaller number is :

- | | |
|-----------|-----------|
| (1) 2 : 3 | (2) 1 : 5 |
| (3) 5 : 1 | (4) 2 : 1 |

Options :

- 920906111641. 1
- 920906111642. 2
- 920906111643. 3
- 920906111644. 4

Question Number : 12 Question Id : 92090628252 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A certain sum of money on compound interest amounts to ₹1,440 and ₹1,728 after two years and three years respectively. Find the rate of interest per annum.

- | | |
|---------|---------|
| (1) 5% | (2) 10% |
| (3) 12% | (4) 20% |

Options :

- 920906111645. 1
- 920906111646. 2
- 920906111647. 3
- 920906111648. 4

Question Number : 12 Question Id : 92090628252 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A certain sum of money on compound interest amounts to ₹1,440 and ₹1,728 after two years and three years respectively. Find the rate of interest per annum.

- | | |
|---------|---------|
| (1) 5% | (2) 10% |
| (3) 12% | (4) 20% |

Options :

- 920906111645. 1
- 920906111646. 2
- 920906111647. 3
- 920906111648. 4

Question Number : 13 Question Id : 92090628253 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Kaushal travelled for 2 hours 15 minutes at the speed of 40 km/h. At what speed should he travel to cover the same distance in 2 hours?

- | | |
|-------------|---------------|
| (1) 48 km/h | (2) 45 km/h |
| (3) 44 km/h | (4) 48.5 km/h |

Options :

- 920906111649. 1
- 920906111650. 2
- 920906111651. 3
- 920906111652. 4

Question Number : 13 Question Id : 92090628253 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Kaushal travelled for 2 hours 15 minutes at the speed of 40 km/h. At what speed should he travel to cover the same distance in 2 hours?

- | | |
|-------------|---------------|
| (1) 48 km/h | (2) 45 km/h |
| (3) 44 km/h | (4) 48.5 km/h |

Options :

920906111649. 1
920906111650. 2
920906111651. 3
920906111652. 4

Question Number : 14 Question Id : 92090628254 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A and B started a business by investing ₹48,000 and ₹60,000 respectively. At the end of the year B received ₹10,000 more than A as his share in the profit. Find the total profit.

- | | |
|-------------|-------------|
| (1) ₹98,600 | (2) ₹95,500 |
| (3) ₹94,000 | (4) ₹90,000 |

Options :

920906111653. 1
920906111654. 2
920906111655. 3
920906111656. 4

Question Number : 14 Question Id : 92090628254 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A and B started a business by investing ₹48,000 and ₹60,000 respectively. At the end of the year B received ₹10,000 more than A as his share in the profit. Find the total profit.

- | | |
|-------------|-------------|
| (1) ₹98,600 | (2) ₹95,500 |
| (3) ₹94,000 | (4) ₹90,000 |

Options :

920906111653. 1
920906111654. 2

920906111655. 3

920906111656. 4

Question Number : 15 Question Id : 92090628255 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Six years ago Shanti's age was 7 times the age of her only daughter. After 6 years from now her age will be 3 times the age of her daughter. Find the present age of her daughter.

(1) 10 years

(2) 11 years

(3) 12 years

(4) 13 years

Options :

920906111657. 1

920906111658. 2

920906111659. 3

920906111660. 4

Question Number : 15 Question Id : 92090628255 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Six years ago Shanti's age was 7 times the age of her only daughter. After 6 years from now her age will be 3 times the age of her daughter. Find the present age of her daughter.

(1) 10 years

(2) 11 years

(3) 12 years

(4) 13 years

Options :

920906111657. 1

920906111658. 2

920906111659. 3

920906111660. 4

Question Number : 16 Question Id : 92090628256 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Find the time between 3 and 4 O' clock at which the minute hand and the hour hand overlap.

(1) $16\frac{4}{11}$ min past 3

(2) $11\frac{5}{16}$ min past 3

(3) $16\frac{4}{11}$ min past 4

(4) $4\frac{11}{16}$ min past 4

Options :

920906111661. 1

920906111662. 2

920906111663. 3

920906111664. 4

Question Number : 16 Question Id : 92090628256 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Find the time between 3 and 4 O' clock at which the minute hand and the hour hand overlap.

(1) $16\frac{4}{11}$ min past 3

(2) $11\frac{5}{16}$ min past 3

(3) $16\frac{4}{11}$ min past 4

(4) $4\frac{11}{16}$ min past 4

Options :

920906111661. 1

920906111662. 2

920906111663. 3

920906111664. 4

Question Number : 17 Question Id : 92090628257 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Find the missing term in the following series :

2, 1, 2, 4, 4, 5, 6, 7, 8, 8, 10, 11, ?

(1) 11

(2) 12

(3) 10

(4) 8

Options :

- 920906111665. 1
- 920906111666. 2
- 920906111667. 3
- 920906111668. 4

Question Number : 17 Question Id : 92090628257 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Find the missing term in the following series :

2, 1, 2, 4, 4, 5, 6, 7, 8, 8, 10, 11, ?

- | | |
|--------|--------|
| (1) 11 | (2) 12 |
| (3) 10 | (4) 8 |

Options :

- 920906111665. 1
- 920906111666. 2
- 920906111667. 3
- 920906111668. 4

Question Number : 18 Question Id : 92090628258 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Rajesh ranks eighteenth from the top in a class. What is his rank from the last?

Statement I: there are 47 students in the class.

Statement II: Nitin, who ranks 10th in the same class, ranks 38th from the last.

Choose the correct answer from the following:

- (1) Data in Statement I alone is sufficient to answer the question.
- (2) Data either in Statement I alone or in Statement II alone is sufficient to answer the question.
- (3) Data given in both Statements I and II together is not sufficient to answer the question.
- (4) Data in Statement II alone is sufficient to answer the question.

Options :

- 920906111669. 1

920906111670. 2

920906111671. 3

920906111672. 4

Question Number : 18 Question Id : 92090628258 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Rajesh ranks eighteenth from the top in a class. What is his rank from the last?

Statement I: there are 47 students in the class.

Statement II: Nitin, who ranks 10th in the same class, ranks 38th from the last.

Choose the correct answer from the following:

- (1) Data in Statement I alone is sufficient to answer the question.
- (2) Data either in Statement I alone or in Statement II alone is sufficient to answer the question.
- (3) Data given in both Statements I and II together is not sufficient to answer the question.
- (4) Data in Statement II alone is sufficient to answer the question.

Options :

920906111669. 1

920906111670. 2

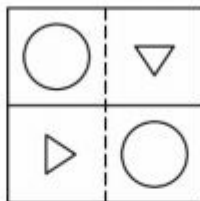
920906111671. 3

920906111672. 4

Question Number : 19 Question Id : 92090628259 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify which one of the following pattern resembles when the transparent sheet is folded along the dotted line.



Problem figure (x)



Options :

920906111673. 1

920906111674. 2

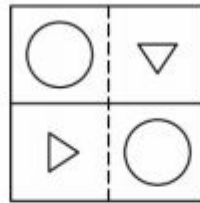
920906111675. 3

920906111676. 4

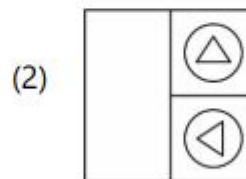
Question Number : 19 Question Id : 92090628259 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify which one of the following pattern resembles when the transparent sheet is folded along the dotted line.



Problem figure (x)



Options :

- 920906111673. 1
- 920906111674. 2
- 920906111675. 3
- 920906111676. 4

Question Number : 20 Question Id : 92090628260 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Five children were administered psychological tests to know their intellectual levels. In the report, psychologists pointed out that the child A is less intelligent than the child B. The child C is less intelligent than the child D. The child B is less intelligent than the child C and the child A is more intelligent than child E. Which child is most intelligent?

- | | |
|-------|-------|
| (1) A | (2) B |
| (3) D | (4) C |

Options :

- 920906111677. 1
- 920906111678. 2
- 920906111679. 3
- 920906111680. 4

Question Number : 20 Question Id : 92090628260 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Five children were administered psychological tests to know their intellectual levels. In the report, psychologists pointed out that the child A is less intelligent than the child B. The child C is less intelligent than the child D. The child B is less intelligent than the child C and the child A is more intelligent than child E. Which child is most intelligent?

- | | |
|-------|-------|
| (1) A | (2) B |
| (3) D | (4) C |

Options :

920906111677. 1
920906111678. 2
920906111679. 3
920906111680. 4

Question Number : 21 Question Id : 92090628261 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II :

List I (Important Days)	List II (Date)
(A) Indian Army Day	(I) 05 June
(B) National Science Day	(II) 15 January
(C) World Environment Day	(III) 28 February
(D) International Yoga Day	(IV) 21 June

Choose the correct answer from the options given below:

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

Options :

920906111681. 1
920906111682. 2
920906111683. 3

Question Number : 21 Question Id : 92090628261 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II :

List I (Important Days)	List II (Date)
(A) Indian Army Day	(I) 05 June
(B) National Science Day	(II) 15 January
(C) World Environment Day	(III) 28 February
(D) International Yoga Day	(IV) 21 June

Choose the correct answer from the options given below:

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

Options :

920906111681. 1
920906111682. 2
920906111683. 3
920906111684. 4

Question Number : 22 Question Id : 92090628262 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Tulsidas composed his 'Ramcharitmanasa' in the reign of _____.

- | | |
|---------------|------------------------|
| (1) Babur | (2) Akbar |
| (3) Aurangzeb | (4) Bahadur Shah Zafar |

Options :

920906111685. 1
920906111686. 2
920906111687. 3
920906111688. 4

Question Number : 22 Question Id : 92090628262 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Tulsidas composed his 'Ramcharitmanasa' in the reign of _____.

- | | |
|---------------|------------------------|
| (1) Babur | (2) Akbar |
| (3) Aurangzeb | (4) Bahadur Shah Zafar |

Options :

- 920906111685. 1
- 920906111686. 2
- 920906111687. 3
- 920906111688. 4

Question Number : 23 Question Id : 92090628263 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements :

Statement I : Renewable resources are available in limited quantity and end, after a limited period of time if used excessively.

Statement II : Renewable resources are coal, petroleum etc.

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

- (1) Both Statement I and Statement II are true.
- (2) Both Statement I and Statement II are false.
- (3) Statement I is true but Statement II is false.
- (4) Statement I is false but Statement II is true.

Options :

- 920906111689. 1
- 920906111690. 2
- 920906111691. 3
- 920906111692. 4

Question Number : 23 Question Id : 92090628263 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements :

Statement I : Renewable resources are available in limited quantity and end, after a limited period of time if used excessively.

Statement II : Renewable resources are coal, petroleum etc.

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

- (1) Both Statement I and Statement II are true.
- (2) Both Statement I and Statement II are false.
- (3) Statement I is true but Statement II is false.
- (4) Statement I is false but Statement II is true.

Options :

920906111689. 1
920906111690. 2
920906111691. 3
920906111692. 4

Question Number : 24 Question Id : 92090628264 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

How many Articles are there in the Indian Constitution?

- (1) 395
- (2) 396
- (3) 398
- (4) 399

Options :

920906111693. 1
920906111694. 2
920906111695. 3
920906111696. 4

Question Number : 24 Question Id : 92090628264 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

How many Articles are there in the Indian Constitution?

- | | |
|---------|---------|
| (1) 395 | (2) 396 |
| (3) 398 | (4) 399 |

Options :

920906111693. 1
920906111694. 2
920906111695. 3
920906111696. 4

Question Number : 25 Question Id : 92090628265 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements are true for income tax in India?

- A. It is a progressive tax
- B. It is a direct tax
- C. It is collected by the State governments
- D. It is proportional tax

- | | |
|---------------------|---------------------|
| (1) only A | (2) only A and B |
| (3) only A, B and C | (4) only B, C and D |

Options :

920906111697. 1
920906111698. 2
920906111699. 3
920906111700. 4

Question Number : 25 Question Id : 92090628265 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements are true for income tax in India?

- A. It is a progressive tax
- B. It is a direct tax
- C. It is collected by the State governments
- D. It is proportional tax

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

Options :

- 920906111697. 1
- 920906111698. 2
- 920906111699. 3
- 920906111700. 4

Part B: Horticulture

Section Id :	920906560
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	75
Number of Questions to be attempted :	75
Section Marks :	300
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	920906906
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 26 Question Id : 92090628266 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

While doing Benthic Marine surveys of sampling units following are employed by biologists :

1. Hypotenuse
2. Semi-Circles
3. Line
4. Square quadrant

Options :

920906111701. 1
920906111702. 2
920906111703. 3
920906111704. 4

Question Number : 26 Question Id : 92090628266 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

बेंथिक मैरीन सर्वेक्षण में प्रतिचयन इकाई सर्वेक्षण करते हुए जीव वैज्ञानिक निम्नलिखित का प्रयोग करते हैं :-

- | | |
|----------|----------------|
| (1) कर्ण | (2) अर्ध वृत्त |
| (3) रेखा | (4) वृत्त पाद |

Options :

920906111701. 1
920906111702. 2
920906111703. 3
920906111704. 4

Question Number : 27 Question Id : 92090628267 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Plants or animals in any geographical area are scattered in which of the following spatial patterns :

1. Unilateral
2. Basic
3. Critical
4. Random

Options :

920906111705. 1
920906111706. 2
920906111707. 3
920906111708. 4

Question Number : 27 Question Id : 92090628267 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

किसी भौगोलिक भूभाग में विस्तृत पौधे एवं जीव निम्नलिखित में से किस स्थानिक प्रतिरूप में पाये जाते हैं :-

- | | |
|-----------------|-------------|
| (1) एक पार्श्वी | (2) मूल |
| (3) क्रांतिक | (4) अनियमित |

Options :

920906111705. 1
920906111706. 2
920906111707. 3
920906111708. 4

Question Number : 28 Question Id : 92090628268 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

Assertion (A) : Aerial transect sampling, aerial quadrant sampling and aerial block sampling are three basic types of aerial surveys, however they differ greatly in practical application.

Reason (R) : The reasons for differences in three types of aerial sampling is due to cost, navigation, boundary effects, counting, sample error, fatigue, etc.

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

1. Both (A) and (R) are correct and (R) is the correct explanation of (A)
2. Both (A) and (R) are correct but (R) is not the correct explanation of (A)
3. (A) is correct but (R) is not correct
4. (A) is not correct but (R) is correct

Options :

920906111709. 1

920906111710. 2

920906111711. 3

920906111712. 4

Question Number : 28 Question Id : 92090628268 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

नीचे दो कथन दिए गए हैं : एक अभिकथन (Assertion (A)) के रूप में लिखित है तो दूसरा उसके कारण (Reasons (R)) के रूप में :

अभिकथन (A) : वायवीय सर्वेक्षण मूलतः तीन प्रकार का होता है - वायवीय ट्रांसैक्ट नमूनाकार, वायवीय वृत्त पाद नमूनाकरण एवं वायवीय प्रखण्ड नमूनाकरण, यद्यपि यह तीनों प्रायोगिक रूप में बहुत भिन्न है।

कारण (R) : तीनों प्रकार की एरियल सैंपलिंग में भिन्नता का कारण व्यय, संचालन, परिसीमा प्रभाव, गणना, नमूना त्रुटि, थकान इत्यादि है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए

- (1) (A) और (R) दोनों सत्य हैं और (R), (A) की सही व्याख्या है
- (2) (A) और (R) दोनों सत्य हैं, लेकिन (R), (A) की सही व्याख्या नहीं है
- (3) (A) सत्य है, लेकिन (R) असत्य है
- (4) (A) असत्य है, लेकिन (R) सत्य है

Options :

920906111709. 1

920906111710. 2

920906111711. 3

920906111712. 4

Question Number : 29 Question Id : 92090628269 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements are correct?

- A. Tolstoy (1984) suggested that area of 0.25 m^2 was best for Marine Benthic organisms and less than 25% studies were carried out using optimal sized quadrant.
- B. Pringle (1984) suggested that there is not one universal best quadrant size. His recommendations are both area and species specific.
- C. Statistically that quadrant size and shape giving highest statistical precision for a given total area sampled or for given total amount of time or money may be considered best.
- D. Ecologically that quadrant size and shape that are most efficient to answer the question being asked will be considered best.
- E. Logistically that quadrant size and shape that are easiest to put out and use will be considered best.

Choose the *most appropriate answer* from the options given below :

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

Options :

920906111713. 1

920906111714. 2

920906111715. 3

920906111716. 4

Question Number : 29 Question Id : 92090628269 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा कथन सही है :-

- (A) टॉल्स्टॉय (1984) द्वारा परामर्श अनुसार मैरीन बैथिक जीवों के लिए 0.25 m^2 क्षेत्रफल सर्वाधिक उपयुक्त है एवं उपयुक्त आकार के वृत्त द्वारा 25% से कम अध्ययन किए गए हैं।
- (B) प्रिंगल (1984) ने बताया कि एक ही सार्वत्रिक सर्वाधिक उपयुक्त आकार का वृत्त नहीं है। उनके सुझाव क्षेत्र एवं जाति विशेष के अनुसार हैं।
- (C) सांख्यिकीय के अनुसार वह वृत्त आकार एवं प्रकार सर्वाधिक उपयुक्त है जो कि दिए गए नमूना क्षेत्र अथवा दिए गए समय एवं धन के लिए सर्वाधिक सांख्यिकीय शुद्धता के अनुसार हो।
- (D) परिस्थितिकी के अनुसार वह वृत्त आकार एवं प्रकार उपयुक्त है जो कि पूछे गए प्रश्नों का प्रभावी उत्तर दे
- (E) सप्रचालविक के अनुसार वह वृत्त आकार एवं प्रकार सर्वाधिक उपयुक्त है जिसे उपयोग एवं प्रयोग करना आसान हो।

नीचे दिए गए विकल्पों में से सबसे उपयुक्त उत्तर का चयन कीजिए

- (1) केवल (A), (B)
- (2) केवल (A), (B), (C)
- (3) केवल (A), (B), (C), (D)
- (4) केवल (B), (C), (D), (E)

Options :

- 920906111713. 1
- 920906111714. 2
- 920906111715. 3
- 920906111716. 4

Question Number : 30 Question Id : 92090628270 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements :

Statement—I : In statistics, the universe of items out of study is called statistical population.

Statement—II : In ecology, a population is defined as group of organisms of the species living in a particular area at a particular time. It is known as biological population.

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

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

Options :

920906111717. 1

920906111718. 2

920906111719. 3

920906111720. 4

Question Number : 30 Question Id : 92090628270 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

नीचे दो कथन दिए गए हैं :

कथन I : सांख्यिकीय में शोध क्षेत्र के बाहर मदों को सांख्यिकीय जनसंख्या कहते हैं।

कथन II : पारिस्थितिकी में एक समय में एक भूभाग (एरिया) में रहने वाले एक जाति के जीवों के समूह को “जनसंख्या” परिभाषित किया गया है। यह जैविक जनसंख्या के नाम से भी जाना जाता है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सबसे उपयुक्त उत्तर का चयन कीजिए :

- (1) कथन I और II दोनों सही हैं
- (2) कथन I और II दोनों गलत हैं
- (3) कथन I सही है, लेकिन कथन II गलत है
- (4) कथन I गलत है, लेकिन कथन II सही है

Options :

920906111717. 1

920906111718. 2

920906111719. 3

920906111720. 4

Question Number : 31 Question Id : 92090628271 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Line intercept method is a general procedure that can be applied to

1. Temperature measurement
2. Colour of lakes
3. Species of squirrels
4. Estimate the cover of tree or shrub canopies

Options :

920906111721. 1

920906111722. 2

920906111723. 3

920906111724. 4

Question Number : 31 Question Id : 92090628271 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

रेखा अन्तर्खण्ड प्रणाली एक सामान्य प्रक्रिया है जिसका प्रयोग निम्नलिखित में किया जाता है :-

- (1) तापमान मापना
- (2) एक भौगोलिक क्षेत्र में झीलों (लेक) का रंग
- (3) गिलहरी की प्रजाति
- (4) वृक्ष आवरण एवं क्षुप छत्रक (वितान) कैनोपी का अनुमान लगाने के लिए

Options :

920906111721. 1

920906111722. 2

920906111723. 3

920906111724. 4

Question Number : 32 Question Id : 92090628272 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements :

Statement—I : Myosins are proteins that have the ability to hydrolyze ATP to ADP and Pi when activated by binding to an actin microfilament.

Statement—II : Cytoplasmic streaming is the coordinated movement of particles and organelles through the cytosol in a helical path down the side of a cell and up the other side.

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

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

Options :

920906111725. 1

920906111726. 2

920906111727. 3

920906111728. 4

Question Number : 32 Question Id : 92090628272 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

नीचे दो कथन दिए गए हैं :

कथन I : मायोसिन वह प्रोटीन है जिसमें ATP को ADP एवं P_i में जलअपघटित करने की क्षमता है जब वह एक्टिन माइक्रोफिलामेंट से बंधित होकर क्रियाशील होती है।

कथन II : साइटोप्लाज़मिक स्ट्रीमिंग कणों एवं कोशिकागों का कोशाद्रव्य में कुण्डलिनी पथ में कोशिका के नीचे एवं ऊपर की दिशा में एक समन्वित गतिक क्रिया है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सबसे उपयुक्त उत्तर का चयन कीजिए :

- (1) कथन I और II दोनों सही हैं
- (2) कथन I और II दोनों गलत हैं
- (3) कथन I सही है, लेकिन कथन II गलत है
- (4) कथन I गलत है, लेकिन कथन II सही है

Options :

920906111725. 1
920906111726. 2
920906111727. 3
920906111728. 4

Question Number : 33 Question Id : 92090628273 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Starch consists of a mixture of two different types of molecules : amylose which is a long chain of glucose atoms joined by α -1, 4 linkages and amylopectin which consists of a mixture of α -1, 4 links with occasional _____ branches.

1. α -1, 2
2. α -1, 4
3. α -1, 6
4. α -1, 8

Options :

920906111729. 1
920906111730. 2
920906111731. 3
920906111732. 4

Question Number : 33 Question Id : 92090628273 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

स्टार्च दो भिन्न अणुओं का मिश्रण है : अमाइलोज़ जो α -1, 4 बन्धन की ग्लूकाज़ अणुओं की लम्बी श्रृंखला है तथा अमाइलोपेक्टिन जो कि α -1, 4 कड़ियों तथा अनियमित _____ शाखाओं का मिश्रण है ।

(1) α -1, 2

(2) α -1, 4

(3) α -1, 6

(4) α -1, 8

Options :

920906111729. 1

920906111730. 2

920906111731. 3

920906111732. 4

Question Number : 34 Question Id : 92090628274 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Terpenes and sterols are related compounds which are constructed from _____ carbon building block isoprene.

1. Four(4)

2. Five(5)

3. Six(6)

4. Seven(7)

Options :

920906111733. 1

920906111734. 2

920906111735. 3

920906111736. 4

Question Number : 34 Question Id : 92090628274 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

टर्पीन एवं स्टेरॉल संबंधित यौगिक हैं जिनकी रचना _____ कार्बन रचक खण्ड आइसोप्रीन द्वारा होती है।

- | | |
|-------------|--------------|
| (1) चार (4) | (2) पाँच (5) |
| (3) छः (6) | (4) सात (7) |

Options :

920906111733. 1

920906111734. 2

920906111735. 3

920906111736. 4

Question Number : 35 Question Id : 92090628275 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The Casparian strip is a band of radial cell walls in the _____ that is impregnated with the wax like hydrophobic substance suberin.

1. Epidermis
2. Exodermis
3. Endodermis
4. Cuticle

Options :

920906111737. 1

920906111738. 2

920906111739. 3

920906111740. 4

Question Number : 35 Question Id : 92090628275 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

कैस्पेरियन पट्टी त्रिज्य कोशिका भित्ति की पट्टी है जो कि _____ में स्थित है और जो जलभीती मोम जैसे पदार्थ सुबेरिन द्वारा अंतर्भरित है।

- | | |
|-----------------|---------------------|
| (1) बाह्य त्वचा | (2) बाह्य मूल त्वचा |
| (3) अंतस्त्वचा | (4) उपत्वचा |

Options :

920906111737. 1

920906111738. 2

920906111739. 3

920906111740. 4

Question Number : 36 Question Id : 92090628276 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The redox reactions of the electron transport chain and the synthesis of ATP are collectively called _____.

1. Fast phosphorylation
2. Oxidative phosphorylation
3. Reductive phosphorylation
4. Oxidative phosphogenesis

Options :

920906111741. 1

920906111742. 2

920906111743. 3

920906111744. 4

Question Number : 36 Question Id : 92090628276 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

इलेक्ट्रान परिवहन चेन (श्रृंखला) के रेडॉक्स अभिक्रिया एवं ATP संश्लेषण को समग्र रूप से _____ कहते हैं :-

- | | |
|-------------------------|-----------------------------|
| (1) शीघ्र फॉस्फोरिलिकरण | (2) आक्सीकरणी फॉस्फोरिलिकरण |
| (3) अपचयी फॉस्फोरिलिकरण | (4) आक्सीकरणी फास्फोजेनेसिस |

Options :

920906111741. 1

920906111742. 2

920906111743. 3

920906111744. 4

Question Number : 37 Question Id : 92090628277 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

Assertion (A) : C_4 plants are able to photosynthesize more efficiently at high temperature than C_3 plants.

Reason (R) : High activity of PEP carboxylase enables C_4 plants to reduce stomatal aperture and there is suppression of photorespiration resulting from concentration of CO_2 in bundle sheath cells.

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

1. Both (A) and (R) are correct and (R) is the correct explanation of (A)
2. Both (A) and (R) are correct but (R) is not the correct explanation of (A)
3. (A) is correct but (R) is not correct
4. (A) is not correct but (R) is correct

Options :

920906111745. 1

920906111746. 2

920906111747. 3

920906111748. 4

Question Number : 37 Question Id : 92090628277 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

नीचे दो कथन दिए गए हैं : एक अभिकथन (Assertion (A)) के रूप में लिखित है तो दूसरा उसके कारण (Reasons (R)) के रूप में :

अभिकथन (A) : C4 पौधे C3 पौधों की अपेक्षा अधिक तापमान पर प्रकाश संश्लेषण अधिक क्षमता (एफिशियेंसी) से कर सकते हैं।

कारण (R) : पेप कार्बोक्सिलेज की अधिक क्रियाशीलता C4 पौधों के पर्णरन्ध्र द्वारक को कम करती है एवं बंडल शीथ कोशिकाओं में अधिक कार्बन डाई-आक्साइड सान्द्रण के कारण प्रकाश श्वसन कम होता है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए

- (1) (A) और (R) दोनों सत्य हैं और (R), (A) की सही व्याख्या है
- (2) (A) और (R) दोनों सत्य हैं, लेकिन (R), (A) की सही व्याख्या नहीं है
- (3) (A) सत्य है, लेकिन (R) असत्य है
- (4) (A) असत्य है, लेकिन (R) सत्य है

Options :

- 920906111745. 1
- 920906111746. 2
- 920906111747. 3
- 920906111748. 4

Question Number : 38 Question Id : 92090628278 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Phaeophytin is a chlorophyll in which the central _____ atom has been replaced by two hydrogen atoms.

1. Calcium
2. Magnesium
3. Manganese
4. Potassium

Options :

- 920906111749. 1
- 920906111750. 2

920906111751.3

920906111752.4

Question Number : 38 Question Id : 92090628278 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

फियोफाइटिन एक प्रकार का क्लोरोफिल है जिसमें _____ केंद्रीय परमाणु दो हाइड्रोजन परमाणुओं द्वारा संस्थापित है :-

- | | |
|--------------|----------------|
| (1) कैल्शियम | (2) मैग्नेशियम |
| (3) मैंगनीज | (4) पोटैशियम |

Options :

920906111749.1

920906111750.2

920906111751.3

920906111752.4

Question Number : 39 Question Id : 92090628279 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The following are the steps of Calvin cycle. What is the correct order of cycle?

- A. Ribulose-1, 5 bisphosphate
- B. Reduction
- C. Carboxylation
- D. 3-phosphoglycerate
- E. Regeneration

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

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

Options :

920906111753.1

920906111754. 2

920906111755. 3

920906111756. 4

Question Number : 39 Question Id : 92090628279 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

कैल्सिन चक्र के निम्नलिखित क्रमबद्ध चरण हैं :-

- (A) रिब्यूलोज़ - 1, 5 बिसफास्फेट
- (B) अपचयन
- (C) कार्बोक्सिलन
- (D) 3-फास्फोग्लिसरेट
- (E) पुनर्निवेशन

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

- (1) (A), (C), (D), (B), (E)
- (2) (A), (B), (C), (D), (E)
- (3) (A), (E), (C), (B), (D)
- (4) (B), (A), (C), (D), (E)

Options :

920906111753. 1

920906111754. 2

920906111755. 3

920906111756. 4

Question Number : 40 Question Id : 92090628280 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements :

Statement—I : Climax communities maintain their mix of species for a long time while successional communities are temporary.

Statement—II : Climax communities have variable biomass due to recycling of nutrients and successional communities have constant biomass.

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

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

Options :

920906111757. 1

920906111758. 2

920906111759. 3

920906111760. 4

Question Number : 40 Question Id : 92090628280 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

नीचे दो कथन दिए गए हैं :

कथन I : चरम समुदाय उनके जाति मिश्रण को लम्बे समय तक बनाए रखते हैं जबकि अनुक्रमिक समुदाय अस्थायी है।

कथन II : चरम समुदाय की जैव मात्रा पोषक तत्व चक्रीकरण के कारण बदलती रहती है जबकि अनुक्रमिक समुदाय की जैव मात्रा समान रहती है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सबसे उपयुक्त उत्तर का चयन कीजिए :

- (1) कथन I और II दोनों सही हैं
- (2) कथन I और II दोनों गलत हैं
- (3) कथन I सही है, लेकिन कथन II गलत है
- (4) कथन I गलत है, लेकिन कथन II सही है

Options :

- 920906111757. 1
- 920906111758. 2
- 920906111759. 3
- 920906111760. 4

Question Number : 41 Question Id : 92090628281 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The important requirement for agrobacterium mediated gene transfer in higher plants are

1. Agrobacterium cannot be preinduced with synthetic acetosyringone.
2. The induced agrobacteria should not have access to cells that are competent for transformation.
3. Transformation competent cells/tissues should not be able to regenerate into whole plants.
4. The explants must produce acetosyringone or other related compounds for activation of *vir* genes

Options :

- 920906111761. 1
- 920906111762. 2
- 920906111763. 3
- 920906111764. 4

Question Number : 41 Question Id : 92090628281 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

उच्च श्रेणी पौधों में एग्रोबैक्टेरियम मेडियेटेड जीन स्थानान्तरण की प्रमुख आवश्यकता क्या है :-

- (1) एग्रोबैक्टेरियम को कृत्रिम एसिटोसिरिंजोन से पूर्व प्रेरित नहीं किया जा सकता है।
- (2) प्रेरित एग्रोबैक्टेरिया ट्रांसफार्मेशन करने वाली कोशिकाओं तक न पहुँच सके।
- (3) ट्रांसफार्मेशन कार्यश्रम कोशिका/ऊतक संपूर्ण पौधे के रूप में पुनरुद्भवन न हो सकें।
- (4) पौधों के एक्सप्लान्ट *vir* जीन के सक्रियण हेतु एसिटोसिरिंजोन या संबंधित तत्व बनाएं

Options :

- 920906111761. 1
- 920906111762. 2
- 920906111763. 3
- 920906111764. 4

Question Number : 42 Question Id : 92090628282 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

What is the problem associated with secondary metabolite production?

1. Plant cells have a very long doubling time (16–24 hours) as compared to microorganisms (approx. 1 hour).
2. If the production of secondary metabolites in the intact plant is restricted to particular organ, then little production takes place *in vitro* because cells *in vitro* are often non-differentiated.
3. Infections considerably limit the process and there is need of more knowledge and awareness on bioreactors and fermentors.
4. All of the above

Options :

920906111765. 1

920906111766. 2

920906111767. 3

920906111768. 4

Question Number : 42 Question Id : 92090628282 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

द्वितीयक उपापचयज उत्पादन में क्या समस्या हैं?

- (1) पादप कोशिकाओं को दुगुना होने में (16–24 घण्टे) सूक्ष्मजीवियों (1 घंटा) की अपेक्षा अधिक समय लगता है
- (2) यदि पौधे के किसी विशेष अंग में द्वितीयक उपापचयज का उत्पादन होता है, तब पात्रे परिस्थिति में कम उत्पादन होता है क्योंकि पात्रे कोशिकाएँ प्रायः अविभेदित होती हैं
- (3) संक्रमण सामान्यतया प्रक्रिया को बाधित करते हैं और बायोरिएक्टर एवं फर्मेंट के विषय में अधिक ज्ञान एवं जागरूकता की आवश्यकता है।
- (4) उपरोक्त सभी

Options :

920906111765. 1

920906111766. 2

920906111767. 3

920906111768. 4

Question Number : 43 Question Id : 92090628283 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The following is an advantage of micropropagation :

1. Production of diseased plants
2. Germplasm studies
3. Artificial media
4. Production of disease free plants

Options :

920906111769. 1

920906111770. 2

920906111771. 3

920906111772. 4

Question Number : 43 Question Id : 92090628283 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूक्ष्म प्रवर्धन के निम्नलिखित लाभ हैं :-

- | | |
|---------------------------|--------------------------------|
| (1) रोगी पौधों का उत्पादन | (2) जननद्रव्यों अध्ययन |
| (3) कृत्रिम माध्यम/मीडिया | (4) रोग मुक्त पौधों का उत्पादन |

Options :

920906111769. 1

920906111770. 2

920906111771. 3

920906111772. 4

Question Number : 44 Question Id : 92090628284 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Introduction of *E. coli* bacterial gene mt1D (mannitol-1-phosphate dehydrogenase) in tobacco plants has been tested to provide _____ resistance.

1. Drought
2. Herbicide
3. Salt
4. High light density

Options :

920906111773. 1
920906111774. 2
920906111775. 3
920906111776. 4

Question Number : 44 Question Id : 92090628284 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

तंबाकू के पौधों में ई.कोलाई जीवाणु जीन mt1D (mannitol-1-phosphate dehydrogenase) के प्रवेश से _____ प्रतिरोध होता है :-

- | | |
|----------|-------------------------|
| (1) सूखा | (2) शाकनाशी |
| (3) लवण | (4) अधिक प्रकाश तीव्रता |

Options :

920906111773. 1
920906111774. 2
920906111775. 3
920906111776. 4

Question Number : 45 Question Id : 92090628285 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The dried flower market has grown exponentially because

1. Consumers are not ecoconscious
2. Dried flowers are not environment friendly alternative to fresh flowers
3. Dry flowers require more resources for production.
4. Dried flowers have prolonged shelf life as compared to fresh flowers.

Options :

920906111777. 1
920906111778. 2
920906111779. 3
920906111780. 4

Question Number : 45 Question Id : 92090628285 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

शुष्क पुष्पों का बाजार चरघातांकी दर से बढ़ रहा है चूकी

- (1) उपभोक्ता पर्यावरण के प्रति संवेदनशील नहीं हैं।
- (2) शुष्क पुष्प ताजे पुष्पों के पर्यावरण मित्रवत् विकल्प नहीं हैं।
- (3) सूखे फूल उत्पादित करने में अपेक्षाकृत अधिक संसाधन लगते हैं।
- (4) शुष्क पुष्पों की भण्डारण आयु ताजे पुष्पों की अपेक्षा अधिक होती है

Options :

920906111777. 1

920906111778. 2

920906111779. 3

920906111780. 4

Question Number : 46 Question Id : 92090628286 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The following plant is commonly not used for topiary in India :

1. *Clerodendrum inerme*
2. *Bougainvillea*
3. *Murraya exotica*
4. Rose

Options :

920906111781. 1

920906111782. 2

920906111783. 3

920906111784. 4

Question Number : 46 Question Id : 92090628286 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

भारत में निम्नलिखित पौधा टोपियरी के लिए प्रयोग नहीं होता है :-

- | | |
|---------------------------|-----------------|
| (1) क्लेरोडेंड्रान इनर्मी | (2) बॉगैनविलिया |
| (3) मुरैया इक्ज़ाटिका | (4) गुलाब |

Options :

920906111781. 1

920906111782. 2

920906111783. 3

920906111784. 4

Question Number : 47 Question Id : 92090628287 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Sauer Kraut is an important fermented vegetable product obtained from _____ by lactic acid fermentation.

1. Tomato
2. Brinjal
3. Cauliflower
4. Cabbage

Options :

920906111785. 1

920906111786. 2

920906111787. 3

920906111788. 4

Question Number : 47 Question Id : 92090628287 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

“सावरक्रॉट” एक महत्वपूर्ण किण्वित सब्जी उत्पाद है जिसे _____ से लैक्टिक एसिड किण्वन द्वारा प्राप्त किया जाता है :-

- | | |
|-------------|---------------|
| (1) टमाटर | (2) बैंगन |
| (3) फूलगोभी | (4) पत्तागोभी |

Options :

920906111785. 1

920906111786. 2

920906111787. 3

920906111788. 4

Question Number : 48 Question Id : 92090628288 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Drying of mango kernels and peel make a _____ class animal feed.

1. Low
2. Medium
3. High
4. Very low

Options :

920906111789. 1
920906111790. 2
920906111791. 3
920906111792. 4

Question Number : 48 Question Id : 92090628288 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

आम की गुठली एवं छिलके को सुखाकर कौन सी श्रेणी का पशु आहार तैयार होता है?

- | | |
|-----------|---------------|
| (1) निम्न | (2) मध्यम |
| (3) उच्च | (4) अति निम्न |

Options :

920906111789. 1
920906111790. 2
920906111791. 3
920906111792. 4

Question Number : 49 Question Id : 92090628289 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Most of the fruits are low in proteins except the following contains 1 to 1.5% protein :

1. Mango
2. Guava
3. Banana
4. Both guava and banana

Options :

920906111793. 1
920906111794. 2
920906111795. 3
920906111796. 4

Question Number : 49 Question Id : 92090628289 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

अधिकांशतः फलों में प्रोटीन की मात्रा कम होती है। किंतु निम्नलिखित किस में 1 से 1.5% प्रोटीन पाया जाता है :-

- | | |
|----------|--------------------------|
| (1) आम | (2) अमरूद |
| (3) केला | (4) अमरूद एवं केला दोनों |

Options :

920906111793. 1
920906111794. 2
920906111795. 3
920906111796. 4

Question Number : 50 Question Id : 92090628290 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Rose garden of Ludhiana is an example of following style of gardening :

1. Formal style
2. Informal style
3. Free style
4. Geometric style

Options :

920906111797. 1
920906111798. 2
920906111799. 3
920906111800. 4

Question Number : 50 Question Id : 92090628290 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

लुधियाना में स्थित गुलाब उद्यान निम्नलिखित में से कौन से उद्यान प्रकार का उदाहरण है :-

- | | |
|------------------|--------------------|
| (1) औपचारिक शैली | (2) अनौपचारिक शैली |
| (3) मुक्त शैली | (4) ज्यामितीय शैली |

Options :

920906111797. 1
920906111798. 2
920906111799. 3
920906111800. 4

Question Number : 51 Question Id : 92090628291 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The term 'Appertization' is used for

1. Dehydration
2. Canning
3. Sterilization
4. Freezing

Options :

920906111801. 1
920906111802. 2
920906111803. 3
920906111804. 4

Question Number : 51 Question Id : 92090628291 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से 'एपरटाइजेशन' शब्द का प्रयोग किसके लिए करते हैं :-

- | | |
|------------------|-----------------|
| (1) निर्जलीकरण | (2) डिब्बाबन्दी |
| (3) निर्जर्मीकरण | (4) हिमीकरण |

Options :

920906111801. 1
920906111802. 2
920906111803. 3
920906111804. 4

Question Number : 52 Question Id : 92090628292 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

When pollination and fertilization occurs before anthesis, it is known as

1. Homogamy
2. Chasmogamy
3. Dichogamy
4. Cleistogamy

Options :

920906111805. 1

920906111806. 2

920906111807. 3

920906111808. 4

Question Number : 52 Question Id : 92090628292 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

पुष्प खुलने से पूर्व ही परागण एवं निषेचन की क्रिया होने को कहते हैं :-

- | | |
|--------------------|----------------------|
| (1) समयुग्मन | (2) उन्मील परागण |
| (3) भिन्नकालपक्वता | (4) अनुन्मील्य परागण |

Options :

920906111805. 1

920906111806. 2

920906111807. 3

920906111808. 4

Question Number : 53 Question Id : 92090628293 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

Assertion (A) : Scalding enhances shelf life of vegetables by exposing them to steam and then plunging them in cold water.

Reason (R) : Scalding inactivates the enzymes that cause browning and drive out air from the tissues.

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

1. Both (A) and (R) are correct and (R) is the correct explanation of (A)
2. Both (A) and (R) are correct but (R) is NOT the correct explanation of (A)
3. (A) is correct but (R) is not correct
4. (A) is not correct but (R) is correct

Options :

920906111809. 1

920906111810. 2

920906111811. 3

920906111812. 4

Question Number : 53 Question Id : 92090628293 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

नीचे दो कथन दिए गए हैं : एक अभिकथन (Assertion (A)) के रूप में लिखित है तो दूसरा उसके कारण (Reasons (R)) के रूप में :

अभिकथन (A) : द्रवदहन स्कैल्डिंग की क्रिया में भाप द्वारा एवं तत्पश्चात् ठण्डे जल में डुबोकर सब्जियों के भण्डारण काल में वृद्धि की जाती है।

कारण (R) : द्रवदहन भूरापन करने वाले एंजाइम को क्रियाहीन करती है और ऊतकों से वायु बाहर भेजती है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए

- (1) (A) और (R) दोनों सत्य हैं और (R), (A) की सही व्याख्या है
- (2) (A) और (R) दोनों सत्य हैं, लेकिन (R), (A) की सही व्याख्या नहीं है
- (3) (A) सत्य है, लेकिन (R) असत्य है
- (4) (A) असत्य है, लेकिन (R) सत्य है

Options :

920906111809. 1

920906111810. 2

920906111811. 3

920906111812. 4

Question Number : 54 Question Id : 92090628294 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The various causes of postharvest losses of perishables are

- A. Loss of moisture causing wilting/shrinkage
- B. Loss of stored energy
- C. Physical loss through pest and disease attack
- D. Colour development
- E. Greening

Choose the correct answer from the options given below :

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

Options :

920906111813. 1

920906111814. 2

920906111815. 3

920906111816. 4

Question Number : 54 Question Id : 92090628294 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

विकारीय उत्पादों में तुड़ाई उपरान्त क्षति के निम्नलिखित कारण है -

- (A) नमी का क्षरण जिससे सिकुड़न हो
- (B) भण्डारित ऊर्जा का क्षरण
- (C) कीट एवं रोग आक्रमण द्वारा भौतिक क्षरण
- (D) रंग का विकास
- (E) ग्रीनिंग (हरिमता)

नीचे दिए गए विकल्पों में से सबसे उपयुक्त उत्तर का चयन कीजिए :

- (1) केवल (A), (C)
- (2) केवल (A), (B), (C)
- (3) केवल (A), (B), (C), (D)
- (4) केवल (A), (B), (C), (E)

Options :

920906111813. 1

920906111814. 2

920906111815. 3

920906111816. 4

Question Number : 55 Question Id : 92090628295 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Arrange the following food laws in chronological (ascending) order of their year of formation :

- A. Prevention of Food Adulteration Act
- B. The Consumer Protection Act
- C. Food Product Order
- D. Cold Storage Order
- E. Meat Product Order

Choose the correct answer from the options given below :

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

Options :

- 920906111817. 1
- 920906111818. 2
- 920906111819. 3
- 920906111820. 4

Question Number : 55 Question Id : 92090628295 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

निम्नलिखित खाद्य नियम को उनके लागू होने के वर्ष के बढ़ते क्रम में आयोजित करें: -

- (A) खाद्य अपमिश्रण रोकधाम अधिनियम
- (B) उपभोक्ता संरक्षण कानून
- (C) खाद्य उत्पाद आदेश
- (D) शीतागार आदेश
- (E) माँस उत्पाद आदेश

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

- (1) (A), (D), (E), (B), (C)
- (2) (A), (C), (D), (E), (B)
- (3) (B), (E), (D), (A), (C)
- (4) (C), (A), (B), (E), (D)

Options :

- 920906111817. 1
- 920906111818. 2
- 920906111819. 3
- 920906111820. 4

Question Number : 56 Question Id : 92090628296 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Statements—I : In lye peeling, fruit is passed through 1 to 2% dilute lye solution (NaOH, KOH etc.) to 100 °C to 120 °C. This process softens skin which is removed by high pressure water sprays.

Statements—II : Abrasion, flame and flash steam are also different forms of peeling.

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

- 1. Both Statement I and Statement II are true
- 2. Both Statement I and Statement II are false
- 3. Statement I is true but Statement II is false
- 4. Statement I is false but Statement II is true

Options :

920906111821. 1
920906111822. 2
920906111823. 3
920906111824. 4

Question Number : 56 Question Id : 92090628296 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

नीचे दो कथन दिए गए हैं :

कथन I : लाई पीलिंग में 100° से 120°C तक गर्म 1-2% तनु लाई विलयन (NaOH, KOH इत्यादि) से फलों को निकाला जाता है। यह प्रक्रिया छिलके (skin) को नर्म करती है और त्वचा को हाई प्रेशर (उच्च दाब) जल के छिड़काव द्वारा उसे हटाया जाता है।

कथन II : अपघर्षण, ज्वाला एवं ज्वाला वाष्प भी विशल्कन के विभिन्न रूप हैं।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सबसे उपयुक्त उत्तर का चयन कीजिए :

- (1) कथन I और II दोनों सही हैं
- (2) कथन I और II दोनों गलत हैं
- (3) कथन I सही है, लेकिन कथन II गलत है
- (4) कथन I गलत है, लेकिन कथन II सही है

Options :

920906111821. 1
920906111822. 2
920906111823. 3
920906111824. 4

Question Number : 57 Question Id : 92090628297 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements :

Statements—I : A corm is an underground stem with a short fleshy vertical axis with dried leaf bases.

Statements—II : Anthuriums are valued for beautiful bracts.

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

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

Options :

920906111825. 1
920906111826. 2
920906111827. 3
920906111828. 4

Question Number : 57 Question Id : 92090628297 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

नीचे दो कथन दिए गए हैं :

कथन I : घनकंद एक भूमिगत तना है जिसमें लघु गूदेदार ऊर्ध्वाधर अक्ष है जिसमें आधार सहित सूखी पत्ती होती हैं।

कथन II : एंथूरियम का मूल्य उनके सुंदर सहपत्र के कारण है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सबसे उपयुक्त उत्तर का चयन कीजिए :

- (1) कथन I और II दोनों सही हैं
- (2) कथन I और II दोनों गलत हैं
- (3) कथन I सही है, लेकिन कथन II गलत है
- (4) कथन I गलत है, लेकिन कथन II सही है

Options :

920906111825. 1
920906111826. 2

920906111827. 3

920906111828. 4

Question Number : 58 Question Id : 92090628298 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements :

Statements—I : An axis may be straight, bending or deflected in landscaping.

Statements—II : Direct, curvilinear, looping and divergent are different circulation patterns in landscaping.

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

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement I is true but Statement II is false
4. Statement I is false but Statement II is true

Options :

920906111829. 1

920906111830. 2

920906111831. 3

920906111832. 4

Question Number : 58 Question Id : 92090628298 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

नीचे दो कथन दिए गए हैं :

कथन I : भूदृश्यीकरण में अक्ष सीधी बंकन या विक्षेपी हो सकती है।

कथन II : सीधी, वक्ररेखी, पाशन या अपसारी भूदृश्यीकरण के विभिन्न वृत्ताकारी प्रतिरूप हैं।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

Options :

920906111829. 1
920906111830. 2
920906111831. 3
920906111832. 4

Question Number : 59 Question Id : 92090628299 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List–I with List–II :

	List–I		List–II
(A)	Leaf	(I)	Inhibitor of ethylene biosynthesis
(B)	AVG	(II)	Delay leaf senescence
(C)	Cytokinins	(III)	Internode elongation
(D)	GA ₃	(IV)	Perception site of photoperiodic stimulus

Choose the correct option from those given below :

1. (A)–(I); (B)–(II); (C)–(III); (D)–(IV)
2. (A)–(III); (B)–(IV); (C)–(II); (D)–(I)
3. (A)–(IV); (B)–(I); (C)–(II); (D)–(III)
4. (A)–(IV); (B)–(II); (C)–(I); (D)–(III)

Options :

920906111833. 1
920906111834. 2
920906111835. 3
920906111836. 4

Question Number : 59 Question Id : 92090628299 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची-I के साथ का सूची-II मिलान कीजिए :

सूची-I	सूची-II
(A) पत्ती	(I) इथाइलीन की जैव संश्लेषण का निषेधक
(B) ए. वी. जी	(II) पत्तियों की वद्धावस्था का विलम्बन
(C) साइटोकाइनिन	(III) अन्तरगाँठीय बढ़ाव
(D) जी.ए.-3	(IV) दीप्तिकाल उद्दीपक का अनुबोधक स्थल

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

920906111833. 1
920906111834. 2
920906111835. 3
920906111836. 4

Question Number : 60 Question Id : 92090628300 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List-I with List-II :

	List-I		List-II
(A)	Japanese gardens	(I)	Tuscan gardens
(B)	Mughal gardens	(II)	Chahar Bagh
(C)	Italian gardens	(III)	Hill gardens
(D)	Persian gardens	(IV)	Baradari

Choose the correct answer from the options given below :

1. (A)-(I); (B)-(III); (C)-(II); (D)-(IV)
2. (A)-(III); (B)-(IV); (C)-(I); (D)-(II)
3. (A)-(II); (B)-(IV); (C)-(III); (D)-(I)
4. (A)-(IV); (B)-(II); (C)-(I); (D)-(III)

Options :

920906111837. 1
920906111838. 2
920906111839. 3
920906111840. 4

Question Number : 60 Question Id : 92090628300 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची-I के साथ सूची-II मिलान कीजिए :

सूची-I	सूची-II
(A) जैपनीज़ उद्यान	(I) टस्कन उद्यान
(B) मुगल उद्यान	(II) चाहर बाग
(C) इटैलियन उद्यान	(III) हिल उद्यान
(D) पर्शियन उद्यान	(IV) बारादरी

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

920906111837. 1
920906111838. 2
920906111839. 3
920906111840. 4

Question Number : 61 Question Id : 92090628301 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List-I with List-II :

	List-I		List-II
(A)	Crystallization of jelly	(I)	0.5–0.6%
(B)	Acidity in jam	(II)	Due to moulds
(C)	Browning of marmalade	(III)	0.5–1.0%
(D)	Pectin in jelly	(IV)	Due to excess of sugar

Choose the correct answer from the options given below :

1. (A)–(II); (B)–(III); (C)–(IV); (D)–(I)
2. (A)–(II); (B)–(I); (C)–(IV); (D)–(III)
3. (A)–(IV); (B)–(I); (C)–(II); (D)–(III)
4. (A)–(IV); (B)–(III); (C)–(II); (D)–(I)

Options :

920906111841. 1
920906111842. 2
920906111843. 3
920906111844. 4

Question Number : 61 Question Id : 92090628301 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची-I के साथ का सूची-II मिलान कीजिए :

सूची-I	सूची-II
(A) जेली में क्रिस्टलीकरण	(I) 0.5-0.6%
(B) जैम में अम्लता	(II) मोल्ड (फफूंद) के कारण
(C) मारमलेड में भूरापन	(III) 0.5-1.0%
(D) जेली में पैक्टिन	(IV) चीनी की अधिकता के कारण

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

- (1) (A)–(II), (B)–(III), (C)–(IV), (D)–(I)
- (2) (A)–(II), (B)–(I), (C)–(IV), (D)–(III)
- (3) (A)–(IV), (B)–(I), (C)–(II), (D)–(III)
- (4) (A)–(IV), (B)–(III), (C)–(II), (D)–(I)

Options :

920906111841. 1
920906111842. 2
920906111843. 3
920906111844. 4

Question Number : 62 Question Id : 92090628302 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A suitable magnification in light microscope is

1. 5–20X
2. 5–40X
3. 10–20X
4. 10–40X

Options :

920906111845. 1
920906111846. 2
920906111847. 3
920906111848. 4

Question Number : 62 Question Id : 92090628302 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

प्रकाशीय सूक्ष्मदर्शी में उपयुक्त आवर्धन है :-

- | | |
|------------|------------|
| (1) 5-20X | (2) 5-40X |
| (3) 10-20X | (4) 10-40X |

Options :

920906111845. 1
920906111846. 2
920906111847. 3
920906111848. 4

Question Number : 63 Question Id : 92090628303 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

In haematoxylin and eosin staining, haematoxylin stains the nucleus and all RNA a dark blue or purple colour while eosin stain proteins and pancreatic secretory granules a bright _____ colour.

1. Red green
2. Pink blue
3. Orange blue
4. Orange pink

Options :

920906111849. 1
920906111850. 2
920906111851. 3
920906111852. 4

Question Number : 63 Question Id : 92090628303 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

हीमैटोज़ाइलिन एवं इयोसिन अभिरंजन में, हीमैटोज़ायलिन से नाभिक एवं कोशिका आर एन ए गहरा नीला या बैंगनी रंग से अभिरंजित होता है जबकि इयोसिन प्रोटीन एवं अग्न्याशयी स्त्रावी कणिका को चमकीला रंग देता है :-

- | | |
|-------------------|---------------------|
| (1) लाल हरा | (2) गुलाबी नीला |
| (3) नारंगी - नीला | (4) नारंगी - गुलाबी |

Options :

920906111849. 1
920906111850. 2
920906111851. 3
920906111852. 4

Question Number : 64 Question Id : 92090628304 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The front lens of a compound microscope is known as

1. Focal lens
2. Image lens
3. Objective
4. Eyepiece

Options :

920906111853. 1
920906111854. 2
920906111855. 3
920906111856. 4

Question Number : 64 Question Id : 92090628304 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

संयुक्त सूक्ष्मदर्शी के आगे के लेन्स को क्या कहते हैं?

- | | |
|----------------|---------------------|
| (1) फोकल लेन्स | (2) प्रतिबिंब लेन्स |
| (3) अमिदृश्यक | (4) नेत्रिका |

Options :

920906111853. 1
920906111854. 2
920906111855. 3
920906111856. 4

Question Number : 65 Question Id : 92090628305 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements :

Statements—I : National Bureau of Plant Genetic Resources (NBPGR). New Delhi is nodal agency for providing import permit of plant germplasm for research purpose.

Statements—II : National Bureau of Animal Genetic Resources is located at Karnal (Haryana).

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

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement I is true but Statement II is false
4. Statement I is false but Statement II is true

Options :

920906111857. 1

920906111858. 2

920906111859. 3

920906111860. 4

Question Number : 65 Question Id : 92090628305 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

नीचे दो कथन दिए गए हैं :

कथन I : राष्ट्रीय पादप आनुवांशिक संसाधन ब्यूरो, नई दिल्ली शोध हेतु पादप जनन द्रव्य आयात अनुमति पत्र उपलब्ध कराने की नोडल एजेंसी है।

कथन II : रास्ट्रीय पशु आनुवांशिक संसाधन ब्यूरो, करनाल (हरयाणा) में स्थित है ।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

Options :

920906111857. 1

920906111858. 2

920906111859. 3

920906111860. 4

Question Number : 66 Question Id : 92090628306 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Fruits of lettuce is botanically known as

1. Siliqua
2. Berry
3. Achene
4. Drupe

Options :

920906111861. 1
920906111862. 2
920906111863. 3
920906111864. 4

Question Number : 66 Question Id : 92090628306 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

लेटूस के फल का वानस्पतिक नाम क्या है?

- | | |
|-------------|-----------|
| (1) सिलिकुआ | (2) बेरी |
| (3) एकीन | (4) ड्रूप |

Options :

920906111861. 1
920906111862. 2
920906111863. 3
920906111864. 4

Question Number : 67 Question Id : 92090628307 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify the correct statements :

- A. Fruits occupy the maximum area among all horticultural crops in India.
- B. Total area under vegetable crops in India is approximately 10.0 million hectare.
- C. Total cut flower production in India during 2018–19 was 3.90 million tons
- D. Total area under horticultural crops in India is approximately 25.0 million hectare

Choose the most appropriate answer from the options given below :

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

Options :

- 920906111865. 1
- 920906111866. 2
- 920906111867. 3
- 920906111868. 4

Question Number : 67 Question Id : 92090628307 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्न में से कौन सा वाक्य सत्य है:

- (A) भारत की उद्यानिक फसलों में फल सबसे अधिक क्षेत्रफल में उगाए जाते हैं।
- (B) भारत में लगभग 10.0 मिलियन हेक्टेयर क्षेत्रफल में सब्जी की फसलों का उत्पादन होता है।
- (C) 2018–19 में भारत में 3.9 मिलियन टन कटे पुष्पों का कुल उत्पादन हुआ।
- (D) भारत में उद्यानिक फसले कुल 25.0 मिलियन हेक्टेयर क्षेत्रफल में उगाई जाती हैं।

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

- (1) केवल (B), (C) और (D)
- (2) केवल (A), (B) और (D)
- (3) केवल (A), (B) और (C)
- (4) केवल (A), (C) और (D)

Options :

- 920906111865. 1

920906111866. 2

920906111867. 3

920906111868. 4

Question Number : 68 Question Id : 92090628308 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

Assertion (A) : Parthenocarpic auxins fruit development has been reported by the application of which also affect fruit setting and fruit development auxins.

Reason (R) : Auxins bring about maximum change in carbohydrate fraction of the fruits some fundamental dislocation in nitrogen metabolism has also been reported.

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

1. Both (A) and (R) are correct and (R) is the correct explanation of (A)
2. Both (A) and (R) are correct but (R) is NOT the correct explanation of (A)
3. (A) is correct but (R) is not correct
4. (A) is not correct but (R) is correct

Options :

920906111869. 1

920906111870. 2

920906111871. 3

920906111872. 4

Question Number : 68 Question Id : 92090628308 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

नीचे दो कथन दिए गए हैं : एक अभिकथन (Assertion (A)) के रूप में लिखित है तो दूसरा उसके कारण (Reasons (R)) के रूप में :

अभिकथन (A) : आड़ू (peach) में ऑक्जिन के प्रयोग द्वारा पार्थिनोकार्पिक (अनिषेकफलन) फल विकास प्रमाणित है और वह फल स्थापन एवं फल विकास को प्रभावित करता है।

कारण (R) : ऑक्जिन फलों में सबसे अधिक कार्बोहाइड्रेट में परिवर्तन करता है। कुछ शोध नाइट्रोजन उपापचय में मूलतः (Fundamental) विस्थापन को प्रमाणित करती है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए

- (1) (A) और (R) दोनों सत्य हैं और (R), (A) की सही व्याख्या है
- (2) (A) और (R) दोनों सत्य हैं, लेकिन (R), (A) की सही व्याख्या नहीं है
- (3) (A) सत्य है, लेकिन (R) असत्य है
- (4) (A) असत्य है, लेकिन (R) सत्य है

Options :

920906111869. 1

920906111870. 2

920906111871. 3

920906111872. 4

Question Number : 69 Question Id : 92090628309 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

Assertion (A) : A population in which individuals exhibit paired values is known as bivariate population or a bivariate universe.

Reason (R) : Among the paired variates, one is the cause and the other is the effect and therefore, changes in one are responsible for changes in the other.

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

1. Both (A) and (R) are true and (R) is the correct explanation of (A)
2. Both (A) and (R) are true 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 :

920906111873. 1
920906111874. 2
920906111875. 3
920906111876. 4

Question Number : 69 Question Id : 92090628309 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

नीचे दो कथन दिए गए हैं : एक अभिकथन (Assertion (A)) के रूप में लिखित है तो दूसरा उसके कारण (Reasons (R)) के रूप में :

अभिकथन (A) : ऐसी जनसंख्या जिसमें व्यक्ति अथवा वस्तु जोड़े में मूल्य प्रदर्शित करती है, उसे बाइवैरियेट जनसंख्या या बाइवैरियेट यूनिवर्स कहते हैं।

कारण (R) : युग्म वैल्यू में से एक कारण और दूसरा प्रभाव होते हैं और इस कारण से एक में परिवर्तन दूसरे में भी परिवर्तन को प्रभावित करता है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए

- (1) (A) और (R) दोनों सत्य हैं और (R), (A) की सही व्याख्या है
- (2) (A) और (R) दोनों सत्य हैं, लेकिन (R), (A) की सही व्याख्या नहीं है
- (3) (A) सत्य है, लेकिन (R) असत्य है
- (4) (A) असत्य है, लेकिन (R) सत्य है

Options :

920906111873. 1
920906111874. 2
920906111875. 3
920906111876. 4

Question Number : 70 Question Id : 92090628310 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following sentences are correct?

- A. A food chain is a series of organisms occupying different trophic levels through which energy passes as a result of one organism consuming another.
- B. When several food chains overlap and intersect they make up a food level.
- C. Biogeochemical cycle activities are involved in cycling of atoms including biological, geological and chemical processes.
- D. Carbon and oxygen combine to form the molecule carbon dioxide (CO_2) which is present in small quantities as a gas in the atmosphere and dissolved in water.
- E. About 20% of photosynthetic activity takes place in the oceans.

Choose the correct answer from the options given below :

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

Options :

920906111877. 1

920906111878. 2

920906111879. 3

920906111880. 4

Question Number : 70 Question Id : 92090628310 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन वाक्य सही हैं :-

- (A) खाद्य श्रृंखला (Food chain) विभिन्न पोषी स्तर के जीवों की श्रेणी है जिससे ऊर्जा एक जीव के द्वारा दूसरे को खाने से स्थानान्तरित होती है।
- (B) जब कई खाद्य श्रृंखलाएँ एक दूसरे पर से जाती हैं और काटती हैं तब खाद्य जाल (food web) का निर्माण होता है।
- (C) बायोजियोकेमिकल चक्र गतिविधियाँ परमाणुओं के चक्रीकरण में संलग्न हैं जिसमें जैविक, भूवैज्ञानिक और रासायनिक (Chemical) प्रक्रियाएँ शामिल हैं।
- (D) कार्बन और ऑक्सीजन मिलकर कार्बन डाई ऑक्साइड का निर्माण करते हैं जो कि वातावरण में गैस रूप में अल्प मात्रा में उपस्थित और जल में घुली हुई है।
- (E) प्रकाश संश्लेषण का लगभग 20% भाग महासागरों (Oceans) में होता है।

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

- (1) केवल (A) और (B)
- (2) केवल (A), (B), (C)
- (3) केवल (A), (B), (C), (D)
- (4) केवल (A), (D), (E)

Options :

- 920906111877. 1
- 920906111878. 2
- 920906111879. 3
- 920906111880. 4

Question Number : 71 Question Id : 92090628311 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify the correct order of steps for conventional RFLP analysis :

- A. Digestion with restriction enzyme and fractionation on an agarose gel
- B. Genomic DNA isolation
- C. DNA transferred out of the gel onto a membrane filter (radioactive labelling and incubation with cloned probe) and allowed for hybridization
- D. DNA in millions of restriction fragments fractionated in the gel by molecular weight
- E. RFLP pattern with positive bands

Choose the correct answer from the options given below :

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

Options :

- 920906111881. 1
- 920906111882. 2
- 920906111883. 3
- 920906111884. 4

Question Number : 71 Question Id : 92090628311 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

रूढ़ पारंपरिक RFLP विश्लेषण के सही क्रमबद्ध चरण हैं :-

- (A) प्रतिबन्धन इन्जाइम से डाइजेशन एवं एगरोज़ जेल पर प्रभाजन
- (B) जीनोमिक डी एन ए पृथक्करण
- (C) डी एन ए जेल से बाहर मेंब्रोन फिल्टर पर स्थानांतरित करना (रेडियोएक्टिव लेबेलिंग) और क्लोन प्रोब से इन्क्यूबेशन और हाईबिडाइजेशन करने देना
- (D) लाखों रेस्ट्रिक्शन फ्रैगमेंट DNA का आणविक भार के अनुसार जेल में फ्रैक्शननेशन
- (E) RFLP पैटर्न पॉज़िटिव बैंड के साथ

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

- (1) (A), (B), (D), (C), (E)
- (2) (B), (A), (D), (C), (E)
- (3) (C), (B), (A), (D), (E)
- (4) (D), (B), (A), (C), (E)

Options :

920906111881. 1

920906111882. 2

920906111883. 3

920906111884. 4

Question Number : 72 Question Id : 92090628312 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List-I with List-II :

	List-I		List-II
(A)	Mahua	(I)	<i>Olea europaea</i>
(B)	Elephant foot yam	(II)	<i>Lablab purpureus</i>
(C)	Dolichos bean	(III)	<i>Bassia latifolia</i>
(D)	Olive	(IV)	<i>Amorphophallus paeoniifolius</i>

Choose the correct option from those given below :

- 1. (A)–(IV); (B)–(III); (C)–(I); (D)–(II)
- 2. (A)–(III); (B)–(IV); (C)–(II); (D)–(I)
- 3. (A)–(III); (B)–(IV); (C)–(I); (D)–(II)
- 4. (A)–(IV); (B)–(III); (C)–(II); (D)–(I)

Options :

920906111885. 1
920906111886. 2
920906111887. 3
920906111888. 4

Question Number : 72 Question Id : 92090628312 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची-I के साथ का सूची-II मिलान कीजिए :

सूची-I	सूची-II
(A) महुआ	(I) ऑलियो यूरोपिया
(B) जिमिकन्द	(II) लबलब परप्यूरियस
(C) सेम	(III) बैसिया लैटीफोलिया
(D) जैतून	(IV) अमरफोफैलस पियोनीफोलियस

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

- (1) (A)-(I), (B)-(I), (C)-(I), (D)-(I)
(2) (A)-(I), (B)-(I), (C)-(I), (D)-(I)
(3) (A)-(I), (B)-(I), (C)-(I), (D)-(I)
(4) (A)-(I), (B)-(I), (C)-(I), (D)-(I)

Options :

920906111885. 1
920906111886. 2
920906111887. 3
920906111888. 4

Question Number : 73 Question Id : 92090628313 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Make pairs of the microbes below in List-I with the organic acids produced by them at industrial level in List-II :

	List-I		List-II
(A)	<i>Aspergillus niger</i>	(I)	Butyric acid
(B)	<i>Acetobacter aceti</i>	(II)	Citric acid
(C)	<i>Clostridium butylicum</i>	(III)	Acetic acid
(D)	<i>Lactobacillus sp.</i>	(IV)	Lactic acid

Choose the correct answer from the options given below :

1. (A)–(I); (B)–(II); (C)–(III); (D)–(IV)
2. (A)–(II); (B)–(III); (C)–(I); (D)–(IV)
3. (A)–(III); (B)–(II); (C)–(I); (D)–(IV)
4. (A)–(IV); (B)–(II); (C)–(III); (D)–(I)

Options :

920906111889. 1

920906111890. 2

920906111891. 3

920906111892. 4

Question Number : 73 Question Id : 92090628313 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची-I के साथ सूची-II मिलान कीजिए :

निम्नलिखित सूक्ष्मजीवों का जिन कार्बनिक अम्लों के औद्योगिक उत्पादन में उपयोग होता है उन्हें सुमेलित कीजिए।

सूची-I	सूची-II
(A) <u>एस्पेरजिलस नाइजर</u>	(I) ब्यूटाइरिक अम्ल
(B) <u>एसिटोबैक्टर एसिटार्ई</u>	(II) साइट्रिक अम्ल
(C) <u>क्लास्ट्रीडियम ब्यूटाइलिकम</u>	(III) एसिटिक अम्ल
(D) <u>लैक्टोबैसिलस स्पीशीज़</u>	(IV) लैक्टिक अम्ल

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

920906111889. 1
920906111890. 2
920906111891. 3
920906111892. 4

Question Number : 74 Question Id : 92090628314 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match the horticultural crop with its corresponding maturity index :

	List-I		List-II
(A)	Banana	(I)	Flattening of eyes
(B)	Pineapple	(II)	Hollow sound produced on tapping fruit
(C)	Watermelon	(III)	Disappearance of angularity
(D)	Muskmelon	(IV)	Netting

Choose the correct answer from the options given below :

1. (A)–(I); (B)–(II); (C)–(III); (D)–(IV)
2. (A)–(II); (B)–(I); (C)–(III); (D)–(IV)
3. (A)–(III); (B)–(I); (C)–(II); (D)–(IV)
4. (A)–(IV); (B)–(II); (C)–(III); (D)–(I)

Options :

920906111893. 1

920906111894. 2

920906111895. 3

920906111896. 4

Question Number : 74 Question Id : 92090628314 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची-I के साथ सूची-II मिलान कीजिए :

परिपक्वता सूचक के आधार पर उद्यान फलों को सुमेलित कीजिए

सूची-I	सूची-II
(A) केला	(I) आँख की फ्लैटनिंग
(B) अनानास	(II) फल को टैपिंग पर खोखले ध्वनि होना
(C) तरबूज	(III) एंग्यूलैरिटी का हटना (कोणता का गायब होना)
(D) खरबूज	(IV) नेटिंग

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

920906111893. 1
920906111894. 2
920906111895. 3
920906111896. 4

**Question Number : 75 Question Id : 92090628315 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

Match List-I with List-II :

	List-I		List-II
(A)	<i>Valleriana jatamansi</i>	(I)	Slips
(B)	<i>Chlorophytum arundinaceum</i>	(II)	Root suckers
(C)	<i>Pogostemon cablin</i>	(III)	Dormant plants as propagule
(D)	<i>Cymbopogon martinii</i>	(IV)	Shoot tip cuttings

Choose the correct option from those given below :

1. (A)–(I); (B)–(II); (C)–(III); (D)–(IV)
2. (A)–(II); (B)–(III); (C)–(IV); (D)–(I)
3. (A)–(II); (B)–(IV); (C)–(III); (D)–(I)
4. (A)–(III); (B)–(IV); (C)–(II); (D)–(I)

Options :

920906111897. 1

920906111898. 2

920906111899. 3

920906111900. 4

Question Number : 75 Question Id : 92090628315 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची-I के साथ का सूची-II मिलान कीजिए :

सूची-I	सूची-II
(A) वैलेरियान जटामांसी	(I) स्लिप
(B) फ्लोरोफायटस एरुंडिनेसियम	(II) मूल चूषक
(C) पोगोस्टेमोन कैबलिन	(III) प्रवर्ध हेतु प्रसुप्त पौधे
(D) सिम्बोपोगन मार्टिनी	(IV) प्ररोह शीर्ष

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

- (1) (A)–(I), (B)–(II), (C)–(III), (D)–(IV)
- (2) (A)–(II), (B)–(I), (C)–(IV), (D)–(III)
- (3) (A)–(III), (B)–(I), (C)–(II), (D)–(IV)
- (4) (A)–(IV), (B)–(III), (C)–(II), (D)–(I)

Options :

920906111897. 1
920906111898. 2
920906111899. 3
920906111900. 4

Question Number : 76 Question Id : 92090628316 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below is the procedure for jam preparation Identify current order of operations from options below :

- A. Sorting and washing
- B. Cooking
- C. Peeling and pulping
- D. Judging of end point by drop test/sheet test/refractometer
- E. Addition of sugar and pectin

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

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

Options :

920906111901. 1
920906111902. 2
920906111903. 3
920906111904. 4

Question Number : 76 Question Id : 92090628316 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

जैम बनाने की सही प्रक्रिया के निम्नलिखित चरण हैं। इनका सही क्रम क्या है?

- (A) छांटना और धोना
- (B) पकाना
- (C) छिलका उतारना और गूदा निकालना
- (D) समाप्ति बिंदु की ड्रॉप टेस्ट / शीट टेस्ट / रिफ्रैक्टोमीटर द्वारा जाँच करना
- (E) चीनी एवं पेक्टिन को मिलाना

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

- (1) (A), (B), (C), (E), (D)
- (2) (A), (C), (B), (E), (D)
- (3) (A), (B), (C), (D), (E)
- (4) (A), (C), (B), (D), (E)

Options :

920906111901. 1

920906111902. 2

920906111903. 3

920906111904. 4

Question Number : 77 Question Id : 92090628317 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Arrange the following steps in micro propagation in the correct sequence :

- A. Explant selection from plant
- B. Insertion of explant in MS medium
- C. Sterilization
- D. Shoot proliferation and root growth
- E. Hardening and acclimatization

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

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

Options :

- 920906111905. 1
- 920906111906. 2
- 920906111907. 3
- 920906111908. 4

Question Number : 77 Question Id : 92090628317 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूक्ष्म प्रवर्धन विधि में निम्नलिखित चरण हैं। इनका सही क्रम क्या है?

- (A) पौधे से एक्सप्लांट (कर्तोटक) का चयन
- (B) एम एस माध्यम में कर्तोटक को स्थापित करना
- (C) निर्जर्मीकरण
- (D) तना प्रस्कटन एवं जड़ विकास
- (E) हार्डनिंग एवं एक्लिमेटाइजेशन (कठोरीकरण एवं दशानुकूलन)

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

- (1) (A), (C), (B), (D), (E)
- (2) (A), (B), (C), (D), (E)
- (3) (B), (A), (C), (D), (E)
- (4) (C), (A), (D), (B), (E)

Options :

- 920906111905. 1
- 920906111906. 2
- 920906111907. 3
- 920906111908. 4

Question Number : 78 Question Id : 92090628318 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements are correct?

- A. Deficiency of proteins retards growth of children and causes colour loss of skin and hair
- B. Deficiency of vitamin E causes sterility
- C. Deficiency of vitamin C causes scurvy and bleeding in gums
- D. Deficiency of vitamin D causes rickets and dental diseases
- E. Deficiency of vitamin B1 causes pellagra

Choose the **most appropriate answer** from the options given below :

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

Options :

920906111909. 1

920906111910. 2

920906111911. 3

920906111912. 4

Question Number : 78 Question Id : 92090628318 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन से कथन सही हैं :-

- (A) प्रोटीन की कमी बच्चों का विकास अवरूद्ध करती है और त्वचा एवं बाल रंगहीन हो जाते हैं।
- (B) विटामिन E की कमी से बंध्यता होती है।
- (C) विटामिन C की कमी से स्कर्वी होती है और मसूड़ों में रक्तस्राव होता है।
- (D) विटामिन D की कमी से रिकेट्स और दंत रोग होते हैं।
- (E) विटामिन B1 की कमी से पेलाग्रा बीमारी होती है।

नीचे दिए गए विकल्पों में से सबसे उपयुक्त उत्तर का चयन कीजिए :

- (1) केवल (A) एवं (B)
- (2) केवल (A), (B), (C)
- (3) केवल (A), (B), (C), (D)
- (4) केवल (A), (C), (D), (E)

Options :

920906111909. 1

920906111910. 2

920906111911. 3

920906111912. 4

Question Number : 79 Question Id : 92090628319 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements are correct?

- A. Uttar Pradesh and West Bengal are leading vegetable producing states of India
- B. Fresh fruits and vegetables have share of nearly 55% in total exprt of horticulture crops from India
- C. Alphonso and Kesar are promising mango varieties
- D. The flowers and seeds have nearly 7% share in total exprt of horticultural produce from India
- E. The share of processed fruits and vegetables is nearly 15% in exprt of horticultural produce from India

Choose the **most appropriate answer** from the options given below :

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

Options :

920906111913. 1

920906111914. 2

920906111915. 3

920906111916. 4

Question Number : 79 Question Id : 92090628319 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन से कथन सही हैं :-

- (A) उत्तर प्रदेश एवं पश्चिम बंगाल भारत में सब्जियों के सर्वाधिक उत्पादक प्रदेश हैं।
- (B) भारत से उद्यानिकी उत्पादक के कुल निर्यात में ताजा फल एवं सब्जियों का भाग 55% (अनुमानतः) है।
- (C) अल्फांजो एवं केसर आम की उत्तम प्रजातियाँ हैं।
- (D) भारत से कुल उद्यानिकी उत्पाद के निर्यात में फूलों एवं बीजों का प्रतिनिधित्व 7% (अनुमानतः) है।
- (E) भारत से उद्यानिकी उत्पाद के निर्यात में प्रसंस्करित फलों एवं सब्जियों का भाग 15% (अनुमानतः) है।

नीचे दिए गए विकल्पों में से सबसे उपयुक्त उत्तर का चयन कीजिए :

- (1) केवल (A) एवं (B)
- (2) केवल (A), (B), (C)
- (3) केवल (A), (B), (C), (D)
- (4) केवल (A), (C), (D), (E)

Options :

- 920906111913. 1
- 920906111914. 2
- 920906111915. 3
- 920906111916. 4

Question Number : 80 Question Id : 92090628320 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Which of the following are correct statements?

- A. Kale and Brussels sprouts belong to Cole crops.
- B. Truck gardens produce special crops in large quantities for close markets.
- C. Floating garden is seen in Dal Lake of Kashmir Valley.
- D. The winter or cool season vegetables are those of which the vegetative parts-roots stems, leaves, buds or immature flowers are eaten.
- E. The optimum monthly average temperature for growing corrot, and couliflower is 15–17 °C.

Choose the **most appropriate answer** from the options given below :

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

Options :

920906111917. 1

920906111918. 2

920906111919. 3

920906111920. 4

Question Number : 80 Question Id : 92090628320 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा कथन सही है :-

- (A) केल तथा ब्रसल्स स्प्राउट गोभी वग्रीय फसलों का भाग हैं
- (B) ट्रक उद्यानिकी के अन्तर्गत नजदीक बाजार में अधिक मात्रा में विशेष फसल भेजने के लिए उत्पादन करते हैं।
- (C) कश्मीर वादी में डल झील में तैरते हुए उद्यान है।
- (D) शीत ऋतु की सब्जियाँ वह हैं जिनके कायिक भाग - जड़, तना, पत्ती कालका या अपरिपक्व पुष्प खाए जाते हैं।
- (E) गाजर एवं फूल गोभी उगाने के लिए सर्वाधिक उपयुक्त औसत तापमान 15-17°C है।

नीचे दिए गए विकल्पों में से सबसे उपयुक्त उत्तर का चयन कीजिए :

- (1) केवल (A), (C), (D), (E)
- (2) केवल (A), (B), (C), (D)
- (3) केवल (A), (B), (C)
- (4) केवल (A) एवं (B)

Options :

920906111917. 1

920906111918. 2

920906111919. 3

920906111920. 4

Question Number : 81 Question Id : 92090628321 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements are correct?

- A. Cytochromes are iron containing proteins (Porphyrins), three of which exist in chloroplasts and function in electron transport system.
- B. Cymose is a type of inflorescence where the growth of main stem is definite and the lateral branches grow more vigorously than the terminal ones giving plant a dome shaped appearance.
- C. The modified atmosphere storage and controlled atmosphere storage differ only in degree of control and CA is more exact.
- D. Allopolyploid contains identical set of chromosomes derived from one species.
- E. Blossoming in the month of February to March as seen in citrus, guava and pomegranate is known as Ambebahar.

Choose the **most appropriate answer** from the options given below :

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

Options :

- 920906111921. 1
- 920906111922. 2
- 920906111923. 3
- 920906111924. 4

Question Number : 81 Question Id : 92090628321 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन से कथन सही हैं?

- (A) साइटोक्रोम ऐसे प्रोटीन हैं (पोर्फीरीन) जिनमें लोहा होता है, जिनमें से तीन क्लोरोप्लास्ट में स्थित होते हैं और इलेक्ट्रान स्थानान्तरण में भूमिका निभाते हैं।
- (B) साइमोज एक प्रकार का पुष्पक्रम है जिसमें मुख्य तने का विकास सीमित होता है और शाखाएँ शीर्ष की अपेक्षा अधिक तेजी से बढ़ती हैं और गुम्बदनुमा आकार देती हैं।
- (C) परिवर्तित वातावरण (MA) एवं नियन्त्रित वातावरण (CA) में नियन्त्रण के स्तर में अंतर होता है और सी ए (CA) ज्यादा विशिष्ट है।
- (D) परबहुगणित वर्ग में एक ही जाति से व्युत्पन्न समान गुणसूत्र होते हैं
- (E) फरवरी से मार्च में नींबू वर्गीय फलों, अमरूद एवं अनार में पुष्पन को अंबे बहार कहते हैं।

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

- (1) केवल (A), (B), (C)
- (2) केवल (A), (B), (C), (D)
- (3) केवल (A), (B), (C), (E)
- (4) केवल (A), (B), (C), (D), (E)

Options :

- 920906111921. 1
- 920906111922. 2
- 920906111923. 3
- 920906111924. 4

Question Number : 82 Question Id : 92090628322 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Transgenic _____ is one of the most recent example where genes of antigenic proteins of many deadly disease causing pathogens have been expressed in this fruit and is efficient as edible vaccine.

- 1. Mango
- 2. Banana
- 3. Guava
- 4. Pineapple

Options :

- 920906111925. 1
- 920906111926. 2
- 920906111927. 3
- 920906111928. 4

Question Number : 82 Question Id : 92090628322 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ट्रांसजेनिक _____ में बहुत सारे रोगों के रोगजनकों की प्रतिजनी प्रोटीन के जीन लक्षित हैं और यह खाद्य वैक्सीन का एक अच्छा उदाहरण है।

- | | |
|-----------|------------|
| (1) आम | (2) केला |
| (3) अमरूद | (4) अनानास |

Options :

920906111925. 1
920906111926. 2
920906111927. 3
920906111928. 4

Question Number : 83 Question Id : 92090628323 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements are correct?

- A. The two important groups of Lilium are Oriental and Asiatic.
- B. Important genera of orchids native to India are Aerides, Cymbidium, Vanda Rhynchostylis, etc.
- C. Alstroemeria species have their origin in South American continent in Chile and Brazil.
- D. Rose is also known as Transvaal daisy, Barberton daisy and African daisy.
- E. Amaranthus is short day plant and Gomphrena is day neutral plant.

Choose the **most appropriate answer** from the options given below :

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

Options :

920906111929. 1
920906111930. 2

920906111931. 3

920906111932. 4

Question Number : 83 Question Id : 92090628323 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन से कथन सही हैं :-

- (A) लिलियम के दो महत्वपूर्ण समूह ओरियंटल एवं एशियाटिक हैं।
- (B) मूलतः भारत में ऑर्किड के महत्वपूर्ण वंश हैं। एरिड्स, सिंबीडियम, वैण्डा, रिंकोस्टाइलिस इत्यादि।
- (C) आल्स्ट्रोमेरिया जाति की उत्पत्ति दक्षिण अमेरिका में चिली एवं ब्राजील से है।
- (D) गुलाब को ट्रांसवाल डेज़ी या बार्बेरटान डेज़ी अथवा अफ्रीकन डेज़ी नाम से भी जाना जाता है।
- (E) अमरेंथस एक अप्ल पर्याप्तकाली पौधा है और गांफ्रीना एक दिवस निरपेक्ष पौधा है।

नीचे दिए गए विकल्पों में से सबसे उपयुक्त उत्तर का चयन कीजिए :

- (1) केवल (A) और (B)
- (2) केवल (A), (B), (C)
- (3) केवल (A), (B), (C), (D)
- (4) केवल (A), (B), (C), (E)

Options :

920906111929. 1

920906111930. 2

920906111931. 3

920906111932. 4

Question Number : 84 Question Id : 92090628324 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

_____ is used as a substrate for the production of biodegradable plastic.

- 1. Polyhydroxy ether
- 2. Polyhydroxy acetate
- 3. Polyhydroxy butyrate
- 4. Polyhydroxy terephthalate

Options :

920906111933. 1

920906111934. 2

920906111935. 3

920906111936. 4

Question Number : 84 Question Id : 92090628324 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

जैन अपघटित प्लास्टिक के उत्पादन के लिए _____ एक अवस्तर है :-

- (1) पॉलीहाईड्रोक्सी इथर
- (2) पॉलीहाईड्रोक्सी एसिटेट
- (3) पॉलीहाईड्रोक्सी ब्यूटाइरिट
- (4) पॉलीहाईड्रोक्सी टेरीफथैलेट

Options :

920906111933. 1

920906111934. 2

920906111935. 3

920906111936. 4

Question Number : 85 Question Id : 92090628325 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Commensalism is a type of symbiotic relationship in which

1. One organism lives in or on another organism and derives nourishment
2. One organism is benefitted while other is not affected
3. Both the species involved are benefitted
4. Both the species are not benefitted

Options :

920906111937. 1

920906111938. 2

920906111939. 3

920906111940. 4

Question Number : 85 Question Id : 92090628325 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

महभोजिता एक प्रकार का सहजीवी संबंध है जिसमें:

- (1) एक जीव दूसरे जीव के ऊपर या अन्दर रहता है और पोषण लेता है।
- (2) एक जीव का लाभ होता है और दूसरे के ऊपर कोई प्रभाव नहीं होता है।
- (3) दोनों ही जीवों का लाभ होता है।
- (4) दोनों को लाभ नहीं होता।

Options :

920906111937. 1

920906111938. 2

920906111939. 3

920906111940. 4

Question Number : 86 Question Id : 92090628326 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements is incorrect?

1. Speciation is the production of new species from previously existing species.
2. Extinction is the loss of an entire species and is a common feature of the evolution of organism.
3. Coevolution is the concept that two or more species of organisms can reciprocally influence the evolutionary direction of the other.
4. The concept of a species is not a population concept.

Options :

920906111941. 1

920906111942. 2

920906111943. 3

920906111944. 4

Question Number : 86 Question Id : 92090628326 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा कथन सही नहीं है :-

- (1) जाति उद्भवन पहले से उपस्थित जाति से नई जाति की उत्पत्ति को कहते हैं।
- (2) एक पूरी जाति की क्षति या विलुप्त होना जीवों की विकास प्रक्रिया की विशेषता है।
- (3) सह विकास एक विचार है जिसके अनुसार दो या अधिक जाति या जीव एक दूसरे को व्युत्क्रम पारस्परिक रूप में प्रभावित करते हैं एवं विकास की दिशा को भी।
- (4) जाति का विचार एक जनसंख्या विचार नहीं है।

Options :

920906111941. 1
920906111942. 2
920906111943. 3
920906111944. 4

Question Number : 87 Question Id : 92090628327 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following options is most appropriate?

1. The habitat of an organism is the space that the organism inhabits, the place where it lives (its address)
2. The niche of an organism is the functional role it has in the surroundings (its profession)
3. Both (1) and (2) are correct
4. Option (1) is correct but option (2) is wrong

Options :

920906111945. 1
920906111946. 2
920906111947. 3
920906111948. 4

Question Number : 87 Question Id : 92090628327 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से सबसे उपयुक्त विकल्प है।

- (1) एक जीव का आवास वह स्थान है जहाँ वह रहता है।
- (2) एक जीव का कर्मस्थिति (niche) वह प्रकार्यात्मक भूमिका है जो वह अपने आस पास के वातावरण में निभाता है। (उसका व्यवसाय)
- (3) विकल्प (1) एवं (2) सही है।
- (4) विकल्प (1) सही है और विकल्प (2) गलत है।

Options :

920906111945. 1
920906111946. 2
920906111947. 3
920906111948. 4

Question Number : 88 Question Id : 92090628328 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements is incorrect?

1. Passion fruit is a day neutral plant
2. Custard apple is an aggregate fruit i.e., etaerio of berries
3. Banana and orange are drought sensitive
4. Dioecy is found in papaya and date palm

Options :

920906111949. 1
920906111950. 2
920906111951. 3
920906111952. 4

Question Number : 88 Question Id : 92090628328 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा कथन सही नहीं है :-

- (1) पैशन फ्रूट एक दिवस निरपेक्ष पौधा है।
- (2) शरीफा एक पुंज फल है - एटेरियो ऑफ बेरीज़
- (3) केला एवं संतरा सूखे के प्रति संवेदनशील हैं।
- (4) एकलिंगाग्रयिता पपीता एवं खजूर में होती है।

Options :

920906111949. 1

920906111950. 2

920906111951. 3

920906111952. 4

Question Number : 89 Question Id : 92090628329 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following options is most appropriate?

1. Reduction in root growth due to phosphorus deficiency has been reported for most of the fruit plants
2. Morphological expressions of potassium deficiency exhibited by fruit plant is the loss of apical dominance of both aerial and subaerial parts
3. Excess Fe in the soil dose not pose a threat to the uptake of Cu and vice versa
4. Options 1 and 2 are correct.

Options :

920906111953. 1

920906111954. 2

920906111955. 3

920906111956. 4

Question Number : 89 Question Id : 92090628329 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा विकल्प सर्वाधिक उपयुक्त है :-

- (1) फल वृक्षों में फास्फोरस की कमी के कारण जड़ विकास में कमी देखी गयी है।
- (2) पोटैशियम की कमी के कारण आकारिकीय अभिव्यक्ति फलों में इस प्रकार देखने को मिलती हैं - वायवीय एवं उपवायवीय भाग में शीर्ष प्रभाविता की कमी
- (3) मृदा में लौह तत्व की अधिकता तांबे के उद्वाह के लिए घातक नहीं है और इसी प्रकार तांबे की अधिकता लौह के उद्वाह में घातक नहीं है।
- (4) विकल्प (1) तथा (2) सही हैं।

Options :

920906111953. 1

920906111954. 2

920906111955. 3

920906111956. 4

Question Number : 90 Question Id : 92090628330 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following is incorrect?

1. Apple (*Malus domestica* Borkh) $X = 17$
 $2n = 34, 51, 68, 85$
2. Peach (*Prunus persica* (L) Batsch), $X = 8, 2n = 16$
3. Apricot (*Prunus cerasus*), $X = 16, 2n = 32$
4. Almond (*Prunus amygdalus* Batsch), $X = 8, 2n = 16$

Options :

920906111957. 1

920906111958. 2

920906111959. 3

920906111960. 4

Question Number : 90 Question Id : 92090628330 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा विकल्प सही नहीं है?

- (1) सेब (मैलस डोमेस्टिका Batsch) $X = 17$, $2n = 34$, 51, 68, 85
- (2) आड़ू (प्रूनस परसिका Batsch), $X = 8$, $2n = 16$
- (3) खुबानी (प्रूनस सेरासस $X = 16$, $2n = 32$
- (4) बादाम (प्रूनस अमाइगडेलस Batsch) $X = 8$, $2n = 16$

Options :

920906111957. 1
920906111958. 2
920906111959. 3
920906111960. 4

Question Number : 91 Question Id : 92090628331 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements is incorrect?

1. Mango is highly cross pollinated crop.
2. The flower bud differentiation of mango in India occurs between October and December.
3. The phenomenon of irregular bearing or biennial bearing is observed in mango.
4. In Dashehari, foliar application of urea (20 percent) and Naphthalene Acetic acid 500 ppm or 2, 4 -D @ 100 ppm is beneficial in controlling fruit drop.

Options :

920906111961. 1
920906111962. 2
920906111963. 3
920906111964. 4

Question Number : 91 Question Id : 92090628331 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा कथन सही नहीं है?

- (1) आम एक अत्यधिक पर परागित फसल है।
- (2) भारत में आम का पुष्प कलिका विभेदन अक्टूबर से दिसंबर के बीच में होता है।
- (3) आम में अनियमित फलन या द्विवर्षी फलन पायी जाती है।
- (4) दशहरों में, यूरिया (20%) नेफथलीन एसीटिक अम्ल (500 पी.पी.एम.) अथवा 2, 4 -D (100 पी.पी.एम.) के पर्णवै छिड़काव द्वारा फलों का गिरना नियंत्रित होता है।

Options :

- 920906111961. 1
- 920906111962. 2
- 920906111963. 3
- 920906111964. 4

Question Number : 92 Question Id : 92090628332 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements is incorrect?

1. Papaya is a tropical plant and is normally propagated from seed all over the world.
2. Pusa Seedless is a Seedless variety of grape resembling Thompson Seedless, Sultania or Oval Kishmish.
3. Manuring and irrigation are not important in litchi cultivation.
4. Fig is generally propagated by hardwood cuttings all over the world.

Options :

- 920906111965. 1
- 920906111966. 2
- 920906111967. 3
- 920906111968. 4

Question Number : 92 Question Id : 92090628332 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा कथन सही नहीं है?

- (1) पपीता एक उष्ण कटिबन्धीय पौधा है और इसे विश्वभर में बीज द्वारा उगाया जाता है।
- (2) पूसा सीडलेस अंगूर की बीजरहित प्रजाति है जो कि थांपसन सीडलेस, सुल्तानीया या ओवल किशमिश से मिलती-जुलती है।
- (3) लीची के उत्पादन में सिंचाई एवं खाद का प्रयोग अधिक महत्वपूर्ण नहीं हैं।
- (4) अंजीर को सामान्यतः सख्तकाष्ठ कृन्तन द्वारा विश्वभर में प्रवर्धित किया जाता है।

Options :

920906111965. 1
920906111966. 2
920906111967. 3
920906111968. 4

Question Number : 93 Question Id : 92090628333 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Multi stem training is practised in

1. Mango
2. Pomegranate
3. Litchi
4. Bael

Options :

920906111969. 1
920906111970. 2
920906111971. 3
920906111972. 4

Question Number : 93 Question Id : 92090628333 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

बहुतना सधाई पद्धति निम्न किस में प्रयोग की जाती है :

- | | |
|----------|----------|
| (1) आम | (2) अनार |
| (3) लीची | (4) बेल |

Options :

920906111969. 1
920906111970. 2
920906111971. 3
920906111972. 4

Question Number : 94 Question Id : 92090628334 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements is correct?

1. All tomato cultivars are of determinate type.
2. Sweet pepper is sensitive to environmental factors for flowering and fruiting
3. Seed production in cauliflower and cabbage can be done in Gangetic plains without any difficulty
4. Potato is a root tuber vegetable.

Options :

920906111973. 1
920906111974. 2
920906111975. 3
920906111976. 4

Question Number : 94 Question Id : 92090628334 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा कथन सही है :-

- (1) सभी टमाटर प्रजातियाँ परिमित प्रकार की होती हैं।
- (2) शिमला मिर्च पुष्पीकरण तथा फल लगने के लिए पर्यावरणीय प्रभावों के प्रति संवेदनशील है।
- (3) फूलगोभी एवं पत्ता गोभी का बीज उत्पादन गंगा के मैदानी क्षेत्रों में बिना किसी समस्या के होता है।
- (4) आलू एक जड़ कन्द सब्जी है।

Options :

- 920906111973. 1
- 920906111974. 2
- 920906111975. 3
- 920906111976. 4

Question Number : 95 Question Id : 92090628335 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements is correct?

1. The upright pyramid of biomass in forest ecosystem is carnivores-herbivores-producers.
2. The upright pyramid of biomass in forest ecosystem is herbivores-producers-carnivores.
3. The upright pyramid of numbers of grassland ecosystem is producer-herbivores-secondary consumers-carnivores.
4. The upright pyramid of numbers of grassland ecosystem is herbivores-carnivores-producers-secondary consumers.

Options :

- 920906111977. 1
- 920906111978. 2
- 920906111979. 3
- 920906111980. 4

Question Number : 95 Question Id : 92090628335 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा कथन सही है :-

- (1) फारेस्ट इकोसिस्टम में सीधा पिरामिड ऑफ बायोमास है मांसाहारी - शाकाहारी - उत्पादक
- (2) फारेस्ट इकोसिस्टम में सीधा बायोमास पिरामिड है - शाकाहारी - उत्पादक - मांसाहारी
- (3) घासस्थल इकोसिस्टम में सीधा पिरामिड है - उत्पादक - शाकाहारी - द्वितीय श्रेणी उपभोक्ता - मांसाहारी
- (4) घासस्थल इकोसिस्टम में अपराइट पिरामिड है : - शाकाहारी - मांसाहारी - उत्पादक - द्वितीय श्रेणी उपभोक्ता

Options :

- 920906111977. 1

920906111978. 2

920906111979. 3

920906111980. 4

Question Number : 96 Question Id : 92090628336 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements is incorrect?

1. Central Food Technological Research Institute (CFTRI) is located at Mysore, Karnataka.
2. Central Institute of Postharvest Engineering and Technology is located at Ludhiana, Punjab.
3. Indian Institute of Vegetable Research is located at Varanasi (Uttar Pradesh).
4. National Research Centre for Orchids is located at Pasighat (Arunachal Pradesh).

Options :

920906111981. 1

920906111982. 2

920906111983. 3

920906111984. 4

Question Number : 96 Question Id : 92090628336 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा कथन सही नहीं है?

- (1) केन्द्रीय खाद्य प्रौद्योगिक अनुसंधान संस्थान (CFTRI) मैसूर (कर्नाटक) में स्थित है।
- (2) केन्द्रीय कटाई-उपरान्त अभियांत्रिकी एवं प्रौद्योगिकी संस्थान अबोहर पंजाब में स्थित है।
- (3) भारतीय सब्जी अनुसंधान संस्थान वाराणसी, उत्तर प्रदेश में स्थित है।
- (4) राष्ट्रीय आरकिड अनुसंधान केन्द्र पासीघाट (अरुणाचल प्रदेश) में स्थित है।

Options :

920906111981. 1

920906111982. 2

920906111983. 3

920906111984. 4

Question Number : 97 Question Id : 92090628337 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The rhizosphere effect may be influenced by the following factors (please mark appropriate option) :

1. The rhizosphere organisms are more when soil moisture is low.
2. Rhizosphere effect increases with the increasing distance between rhizosphere and soil microbes.
3. In legume rhizosphere increase in number of bacteria is over hundred times as compared to non-legumes.
4. Option 1 and 3 are correct

Options :

920906111985. 1
920906111986. 2
920906111987. 3
920906111988. 4

Question Number : 97 Question Id : 92090628337 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

राइजोस्फियर का प्रभाव निम्नलिखित से प्रभावित हैं (कृपया उचित विकल्प चुनिये)

- (1) जब मृदा में नमी कम होती है तब राइजोस्फियर जीव अधिक होते हैं।
- (2) राइजोस्फियर एवं सूक्ष्म जीव में दूरी बढ़ने से राइजोस्फियर प्रभाव अधिक होता है।
- (3) दलहनी फसलों में राइजोस्फियर में जीवाणुओं की संख्या में वृद्धि गैर-दलहनी फसलों की अपेक्षा सौ गुना तक अधिक होती है।
- (4) विकल्प (1) तथा (3) सही है

Options :

920906111985. 1
920906111986. 2
920906111987. 3
920906111988. 4

Question Number : 98 Question Id : 92090628338 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements is incorrect?

1. Steam and dry sterilization, flame sterilization filter sterilization, alcohol sterilization and ultraviolet sterilization are different sterilization methods.
2. Cryopreservation has the usage of liquid nitrogen (-196°C).
3. Isozyme is molecular marker
4. Auxins and cytokinins are two main classes of growth regulators used in plant tissues culture.

Options :

920906111989. 1
920906111990. 2
920906111991. 3
920906111992. 4

Question Number : 98 Question Id : 92090628338 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा कथन सही नहीं है?

- (1) वाष्प, शुष्क, ज्वाला, निस्पंदन, एल्कोहल तथा पराबैंगनी निर्जर्मीकरण के विभिन्न प्रकार हैं।
- (2) निम्न ताप परिरक्षण में तरल नाइट्रोजन (-196°C) का प्रयोग होता है।
- (3) आइसोजाइम एक आण्विक मार्कर है।
- (4) आक्सिन एवं साइटोकायनिन वृद्धि नियामक के दो प्रमुख प्रकार हैं जिनका पादप ऊतक सम्वर्धन में प्रयोग किया जाता है।

Options :

920906111989. 1
920906111990. 2
920906111991. 3
920906111992. 4

Question Number : 99 Question Id : 92090628339 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements is incorrect?

1. Nature in miniature is a theme of Mughal gardens.
2. Vasantika, Birbal Sahni are small flower producing varieties of chrysanthemum.
3. Standing water in the form of lakes is main feature of Japanese gardens.
4. Zinnia, Kochia, Portulaca are summer season annuals.

Options :

920906111993. 1
920906111994. 2
920906111995. 3
920906111996. 4

Question Number : 99 Question Id : 92090628339 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा कथन सही नहीं है?

- (1) नेचर इन मिनियेचर मुगल उद्यान की थीम है।
- (2) गुल्दाउदी की छोटे पुष्प उत्पादित करने वाली प्रजातियाँ वसंतिका तथा बीरबल साहनी हैं।
- (3) झीलों के रूप में रूका हुआ पानी जापानीज़ उद्यान की विशिष्टता है।
- (4) जिनिया, कोचिया, पोर्ट्यूलेका ग्रीष्म ऋतु के पौधे हैं।

Options :

920906111993. 1
920906111994. 2
920906111995. 3
920906111996. 4

Question Number : 100 Question Id : 92090628340 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Total soluble solids ($^{\circ}\text{Brix}$) is measured by

1. Lactometer
2. Hydrometer
3. Hand refractometer
4. Gelmeter

Options :

920906111997. 1
920906111998. 2
920906111999. 3
920906112000. 4

Question Number : 100 Question Id : 92090628340 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

कुल घुलनशील ठोस पदार्थ ($^{\circ}\text{ब्रिक्स}$)

- | | |
|-------------------------------|------------------------|
| (1) लैक्टोमीटर द्वारा | (2) हाईड्रोमीटर द्वारा |
| (3) हैंडरीफ्रैक्टोमीटर द्वारा | (4) जेलमीटर द्वारा |

Options :

920906111997. 1
920906111998. 2
920906111999. 3
920906112000. 4