

National Testing Agency

Question Paper Name : Botany Eng 11th June 2023 Shift 2
Subject Name : Botany Eng
Creation Date : 2023-06-11 20:40:00
Duration : 120
Total Marks : 400
Display Marks: Yes

Botany

Group Number : 1
Group Id : 686340128
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 : 686340255
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 : 686340420
Question Shuffling Allowed : No
Is Section Default? : null

**Question Id : 68634012860 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**

Beijing: As China tries to slow its demographic decline , women like Chen Luojin could be part of the solution. The divorced 33-years-old lives in Chengdu , capital of the southwestern Sichuan province, which legalised registration of children by unmarried women in february , something China is considering implementing nationwide to address record low birth rates .

The changes mean unmarried woman can take paid maternity leave and receive child subsidies previously only available to married couples . Crucially ,Chen could access invitro fertility (IVF) treatment legally in a private clinic . She is now 10 weeks pregnant."Becoming a single parent is not for everyone but I am happy with the decision ,"said Chen, who works in logistics ."Equally, getting married or not is for each individual to decide . We have liberalised the policies here and I know a lot of single women are doing IVF."

Concerned about China's first population drop in six decades and its rapid ageing , the government's political advisers proposed in March that single and unmarried women should have access to egg freezing and IVF treatment .But leaders haven't commented publicly on the recommendations.

Liberalising IVF nationwide could unleash more demand for fertility treatment in what is already the world's biggest market ,straining limited fertility services . Some investors in the industry see an opportunity to expand .

" If China changes their policy to allow single women to have children ,this can result in an increase of IVF demand ,"said Yve Lyppens , director of business development for Asia Pacific at INVO Bioscience ,which is awaiting regulatory approval to launch its IVF technology in China after signing a distribution agreement with Guangzhou-based Onesky Holdings last year .

Shanghai and the southern Guangdong province have also permitted unmarried women to register their children but IVF services for single women remain banned

Sub questions

Question Number : 1 Question Id : 68634012861 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

Leberalising IVF means : -

1. Popularising IVF treatment.
2. Imposing fresh restrictions on IVF treatment .
3. Removing stringent conditions and allowing access to IVF treatment .
4. People who availed IVF treatment to be set free from jail.

Options :

- 68634050801. 1
- 68634050802. 2
- 68634050803. 3
- 68634050804. 4

Question Number : 2 Question Id : 68634012862 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

If IVF treatment is legalised as per the passage who would get paid maternity leave and child subsidies

1. Married and unmarried women
2. Only unmarried women
3. Only married women
4. Single women who became single parent through IVF treatment

Options :

- 68634050805. 1
- 68634050806. 2
- 68634050807. 3
- 68634050808. 4

Question Number : 3 Question Id : 68634012863 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 correct statement given is

1. Chengdu is the capital of sichuan province.
2. China has age old policies to allow single woman to have children
3. China is suffering from demographic decline.
4. Chen works in logics company

Options :

- 68634050809. 1
- 68634050810. 2
- 68634050811. 3
- 68634050812. 4

Question Number : 4 Question Id : 68634012864 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

Antonym of the word liberal is :-

1. berserk
2. berth
3. bento
4. bigot

Options :

- 68634050813. 1
- 68634050814. 2
- 68634050815. 3
- 68634050816. 4

Question Number : 5 Question Id : 68634012865 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

According to this paragraph who is the Director of Business Development for Asia Pacific at INVO bioscience ?

1. Yev Lypeens
2. Yve Lyppens
3. Yiv Lyappen
4. Yve Lyippen

Options :

- 68634050817. 1
- 68634050818. 2
- 68634050819. 3
- 68634050820. 4

Question Id : 68634012860 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

Beijing: As China tries to slow its demographic decline , women like Chen Luojin could be part of the solution. The divorced 33-years-old lives in Chengdu , capital of the southwestern Sichuan province, which legalised registration of children by unmarried women in february , something China is considering implementing nationwide to address record low birth rates .

The changes mean unmarried woman can take paid maternity leave and receive child subsidies previously only available to married couples . Crucially ,Chen could access invitro fertility (IVF) treatment legally in a private clinic . She is now 10 weeks pregnant."Becoming a single parent is not for everyone but I am happy with the decision ,"said Chen, who works in logistics ."Equally, getting married or not is for each individual to decide . We have liberalised the policies here and I know a lot of single women are doing IVF."

Concerned about China's first population drop in six decades and its rapid ageing , the government's political advisers proposed in March that single and unmarried women should have access to egg freezing and IVF treatment .But leaders haven't commented publicly on the recommendations.

Liberalising IVF nationwide could unleash more demand for fertility treatment in what is already the world's biggest market ,straining limited fertility services . Some investors in the industry see an opportunity to expand

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Shanghai and the southern Guangdong province have also permitted unmarried women to register their children but IVF services for single women remain banned

Sub questions

Question Number : 1 Question Id : 68634012861 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

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1. Popularising IVF treatment.
2. Imposing fresh restrictions on IVF treatment .
3. Removing stingent conditions and allowing access to IVF treatment .
4. People who availed IVF treatment to be set free from jail.

Options :

- 68634050801. 1
- 68634050802. 2
- 68634050803. 3
- 68634050804. 4

Question Number : 2 Question Id : 68634012862 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

If IVF treatment is legalised as per the passage who would get paid maternity leave and child subsidies

1. Married and unmarried women
2. Only unmarried women
3. Only married women
4. Single women who became single parent through IVF treatment

Options :

- 68634050805. 1
- 68634050806. 2
- 68634050807. 3
- 68634050808. 4

Question Number : 3 Question Id : 68634012863 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 correct statement given is

1. Chengdu is the capital of sichuan province.
2. China has age old policies to allow single woman to have children
3. China is suffering from demographic decline.
4. Chen works in logics company

Options :

- 68634050809. 1
- 68634050810. 2

68634050811. 3

68634050812. 4

Question Number : 4 Question Id : 68634012864 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

Antonym of the word liberal is :-

1. berserk
2. berth
3. bento
4. bigot

Options :

68634050813. 1

68634050814. 2

68634050815. 3

68634050816. 4

Question Number : 5 Question Id : 68634012865 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

According to this paragraph who is the Director of Business Development for Asia pacific at INVO bioscience ?

1. Yev Lypeens
2. Yve Lyppens
3. Yiv Lyappen
4. Yve Lyippen

Options :

68634050817. 1

68634050818. 2

68634050819. 3

68634050820. 4

Sub-Section Number :

2

Sub-Section Id :

686340421

Question Shuffling Allowed :

Yes

Is Section Default? :

null

Question Number : 6 Question Id : 68634012866 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

Choose the correctly spelt word from the given options:

1. TIMORIGENIC
2. TUMORIGENIC
3. TOMORGENIC
4. TUMARGENIC

Options :

- 68634050821. 1
- 68634050822. 2
- 68634050823. 3
- 68634050824. 4

Question Number : 6 Question Id : 68634012866 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

Choose the correctly spelt word from the given options:

1. TIMORIGENIC
2. TUMORIGENIC
3. TOMORGENIC
4. TUMARGENIC

Options :

- 68634050821. 1
- 68634050822. 2
- 68634050823. 3
- 68634050824. 4

Question Number : 7 Question Id : 68634012867 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

Transform the assertive sentence to exclamatory -

The falcon skims the air elegantly.

1. Bravo! The falcon is skimming
2. Wow! The falcon skims
3. The falcon skims elegantly in the air!
4. How elegantly the falcon skims the air!

Options :

- 68634050825. 1
- 68634050826. 2
- 68634050827. 3

68634050828. 4

Question Number : 7 Question Id : 68634012867 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

Transform the assertive sentence to exclamatory -

The falcon skims the air elegantly.

1. Bravo! The falcon is skimming
2. Wow! The falcon skims
3. The falcon skims elegantly in the air!
4. How elegantly the falcon skims the air!

Options :

- 68634050825. 1
- 68634050826. 2
- 68634050827. 3
- 68634050828. 4

Question Number : 8 Question Id : 68634012868 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

Synonym of the word ' TRANSCEND ' is:

1. Lower
2. Climb
3. Cross
4. Energise

Options :

- 68634050829. 1
- 68634050830. 2
- 68634050831. 3
- 68634050832. 4

Question Number : 8 Question Id : 68634012868 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

Synonym of the word ' TRANSCEND ' is:

1. Lower
2. Climb
3. Cross
4. Energise

Options :

- 68634050829. 1
- 68634050830. 2
- 68634050831. 3
- 68634050832. 4

Question Number : 9 Question Id : 68634012869 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 fully grown male horse kept for breeding' is called:

1. Stride
2. Stooage
3. Stable
4. Stallion

Options :

- 68634050833. 1
- 68634050834. 2
- 68634050835. 3
- 68634050836. 4

Question Number : 9 Question Id : 68634012869 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 fully grown male horse kept for breeding' is called:

1. Stride
2. Stooage
3. Stable
4. Stallion

Options :

- 68634050833. 1
- 68634050834. 2
- 68634050835. 3
- 68634050836. 4

Question Number : 10 Question Id : 68634012870 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.

A high school teacher is to face trail ___ France after setting fire _____ his pupils English exam papers to protest _____ the state education system.

1. in, of, to
2. in, with, for
3. in, to, at
4. in, on, before

Options :

- 68634050837. 1
- 68634050838. 2
- 68634050839. 3
- 68634050840. 4

Question Number : 10 Question Id : 68634012870 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.

A high school teacher is to face trail ___ France after setting fire _____ his pupils English exam papers to protest _____ the state education system.

1. in, of, to
2. in, with, for
3. in, to, at
4. in, on, before

Options :

- 68634050837. 1
- 68634050838. 2
- 68634050839. 3
- 68634050840. 4

Question Number : 11 Question Id : 68634012871 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 average age of a boy and a girl is 30 years. The ratio of their ages is 5:7. Ages of the boy and girl respectively:

1. 30 years, 25 years
2. 25 years, 35 years
3. 25 years, 40 years
4. 30 years , 42 years

Options :

- 68634050841. 1
- 68634050842. 2
- 68634050843. 3
- 68634050844. 4

Question Number : 11 Question Id : 68634012871 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 average age of a boy and a girl is 30 years. The ratio of their ages is 5:7. Ages of the boy and girl respectively:

1. 30 years, 25 years
2. 25 years, 35 years
3. 25 years, 40 years
4. 30 years , 42 years

Options :

- 68634050841. 1
- 68634050842. 2
- 68634050843. 3
- 68634050844. 4

Question Number : 12 Question Id : 68634012872 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

An article is marked for ₹ 200. A shopkeeper earns 25% profit even after allowing $12\frac{1}{2}\%$ discount on it. What is the cost price of the article (in ₹)?

1. 180
2. 165
3. 140
4. 112.50

Options :

- 68634050845. 1

68634050846. 2
68634050847. 3
68634050848. 4

Question Number : 12 Question Id : 68634012872 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

An article is marked for ₹ 200. A shopkeeper earns 25% profit even after allowing $12\frac{1}{2}\%$ discount on it. What is the cost price of the article (in ₹)?

1. 180
2. 165
3. 140
4. 112.50

Options :

68634050845. 1
68634050846. 2
68634050847. 3
68634050848. 4

Question Number : 13 Question Id : 68634012873 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 how many years will a sum of ₹ 800 at 10% per annum compounded semi-annually become ₹ 926.10?

1. $1\frac{1}{3}$ years
2. $1\frac{1}{2}$ years
3. $2\frac{1}{3}$ years
4. 3 years

Options :

68634050849. 1
68634050850. 2
68634050851. 3
68634050852. 4

Question Number : 13 Question Id : 68634012873 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 how many years will a sum of ₹ 800 at 10% per annum compounded semi-annually become ₹ 926.10?

1. $1\frac{1}{3}$ years

2. $1\frac{1}{2}$ years

3. $2\frac{1}{3}$ years

4. 3 years

Options :

68634050849. 1

68634050850. 2

68634050851. 3

68634050852. 4

Question Number : 14 Question Id : 68634012874 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 men working 8 hours per day take 6 days to do a work. How many days will 12 men take to do the same work if they work for 10 hours per day?

1. $3\frac{1}{2}$

2. $3\frac{1}{3}$

3. 3

4. 2

Options :

68634050853. 1

68634050854. 2

68634050855. 3

68634050856. 4

Question Number : 14 Question Id : 68634012874 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 men working 8 hours per day take 6 days to do a work. How many days will 12 men take to do the same work if they work for 10 hours per day?

1. $3\frac{1}{2}$

2. $3\frac{1}{3}$

3. 3

4. 2

Options :

68634050853. 1

68634050854. 2

68634050855. 3

68634050856. 4

Question Number : 15 Question Id : 68634012875 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 height of a room is 40% of semi-perimeter of the floor. Akshay wanted to put wall paper on the walls of his room. It cost ₹ 5,200 to put 50 cm wide wall paper at the rate of ₹40/m leaving an area of 15 m^2 for doors and windows . Height of room (in m) is:

1. 3.6

2. 3.8

3. 4

4. 3

Options :

68634050857. 1

68634050858. 2

68634050859. 3

68634050860. 4

Question Number : 15 Question Id : 68634012875 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 height of a room is 40% of semi-perimeter of the floor. Akshay wanted to put wall paper on the walls of his room. It cost ₹ 5,200 to put 50 cm wide wall paper at the rate of ₹40/m leaving an area of 15 m² for doors and windows . Height of room (in m) is:

1. 3.6
2. 3.8
3. 4
4. 3

Options :

68634050857. 1
68634050858. 2
68634050859. 3
68634050860. 4

Question Number : 16 Question Id : 68634012876 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 water - image of the combination

"96FSH52"

1. 9 6 E 2 H 2 5
2. 6 9 E 2 H 2 5
3. 9 6 E 2 H 2 5
4. 6 9 E 2 H 2 5

Options :

68634050861. 1
68634050862. 2
68634050863. 3
68634050864. 4

Question Number : 16 Question Id : 68634012876 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 water - image of the combination

"96FSH52"

1. 9 6 E 2 H 2 5
2. 6 9 E 2 H 2 5
3. 9 6 E 2 H 2 5
4. 6 9 E 2 H 2 5

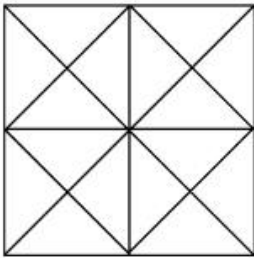
Options :

- 68634050861. 1
- 68634050862. 2
- 68634050863. 3
- 68634050864. 4

Question Number : 17 Question Id : 68634012877 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 the following figure find the number of triangles and squares ?



1. 44 triangles, 10 squares
2. 12 triangles, 14 squares
3. 27 triangles , 6 squares
4. 32 triangles , 12 squares

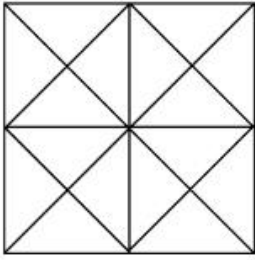
Options :

- 68634050865. 1
- 68634050866. 2
- 68634050867. 3
- 68634050868. 4

Question Number : 17 Question Id : 68634012877 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 the following figure find the number of triangles and squares ?



1. 44 triangles, 10 squares
2. 12 triangles, 14 squares
3. 27 triangles , 6 squares
4. 32 triangles , 12 squares

Options :

- 68634050865. 1
- 68634050866. 2
- 68634050867. 3
- 68634050868. 4

Question Number : 18 Question Id : 68634012878 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

Select the related number from the given alternatives:

$$DXH : 4 \times 8 :: M \times Q : ?$$

1. 12×17
2. 13×17
3. 12×16
4. 14×18

Options :

- 68634050869. 1
- 68634050870. 2
- 68634050871. 3
- 68634050872. 4

Question Number : 18 Question Id : 68634012878 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

Select the related number from the given alternatives:

$$DXH : 4 \times 8 :: M \times Q : ?$$

1. 12×17
2. 13×17
3. 12×16
4. 14×18

Options :

- 68634050869. 1
- 68634050870. 2
- 68634050871. 3
- 68634050872. 4

Question Number : 19 Question Id : 68634012879 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

As per the given series 9, 15, 23, 33, 45, 59 observe the series 16, (A), (B), (C), (D), (E) and by establishing the same relation find what will come in place of (D) ?

1. 46
2. 60
3. 34
4. 64

Options :

- 68634050873. 1
- 68634050874. 2
- 68634050875. 3
- 68634050876. 4

Question Number : 19 Question Id : 68634012879 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

As per the given series 9, 15, 23, 33, 45, 59 observe the series 16, (A), (B), (C), (D), (E) and by establishing the same relation find what will come in place of (D) ?

1. 46
2. 60
3. 34
4. 64

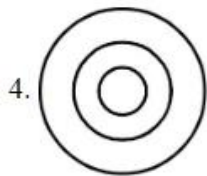
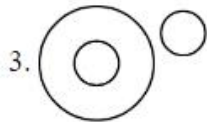
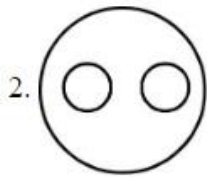
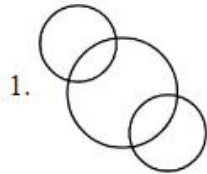
Options :

- 68634050873. 1

68634050874. 2
68634050875. 3
68634050876. 4

Question Number : 20 Question Id : 68634012880 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 represents the relationship among factory, machinery and product:

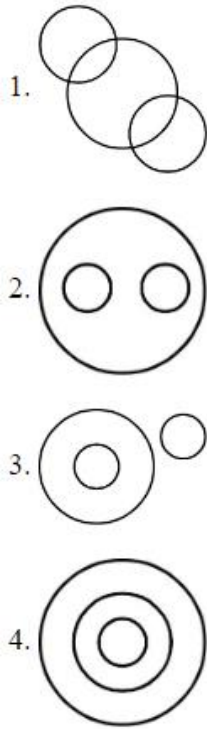


Options :

68634050877. 1
68634050878. 2
68634050879. 3
68634050880. 4

Question Number : 20 Question Id : 68634012880 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 represents the relationship among factory, machinery and product:



Options :

- 68634050877. 1
- 68634050878. 2
- 68634050879. 3
- 68634050880. 4

Question Number : 21 Question Id : 68634012881 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 statements which are true about Governor of a state:

- A. He is appointed by the President for five years.
- B. He should be above 45 years of age and should be an Indian citizen .
- C. Executive power of the state is vested in him.
- D. Chief minister and vice Chancellor of state university are appointed by Governor of a state.

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

Options :

- 68634050881. 1
- 68634050882. 2
- 68634050883. 3

68634050884. 4

Question Number : 21 Question Id : 68634012881 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 statements which are true about Governor of a state:

- A. He is appointed by the President for five years.
- B. He should be above 45 years of age and should be an Indian citizen .
- C. Executive power of the state is vested in him.
- D. Chief minister and vice Chancellor of state university are appointed by Governor of a state.

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

Options :

- 68634050881. 1
- 68634050882. 2
- 68634050883. 3
- 68634050884. 4

Question Number : 22 Question Id : 68634012882 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

Out of the following , which is the highest Indian Literacy award:

- 1. Jnanpith Award
- 2. Sahitya Academi Award
- 3. Yuva Puraskar
- 4. Booker prize

Options :

- 68634050885. 1
- 68634050886. 2
- 68634050887. 3
- 68634050888. 4

Question Number : 22 Question Id : 68634012882 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

Out of the following , which is the highest Indian Literacy award:

1. Jnanpith Award
2. Sahitya Academi Award
3. Yuva Puraskar
4. Booker prize

Options :

68634050885. 1
68634050886. 2
68634050887. 3
68634050888. 4

Question Number : 23 Question Id : 68634012883 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 Folk Dance		LIST II State	
A.	Chhau dance	I.	Maharashtra
B.	Lavami	II.	Bihar
C.	Kuchipudi	III.	Andhra Pradesh
D.	Bidesiya	IV.	Jharkhand

Choose the correct answer from the options given below:

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

Options :

68634050889. 1
68634050890. 2
68634050891. 3
68634050892. 4

Question Number : 23 Question Id : 68634012883 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 Folk Dance		LIST II State	
A.	Chhau dance	I.	Maharashtra
B.	Lavami	II.	Bihar
C.	Kuchipudi	III.	Andhra Pradesh
D.	Bidesiya	IV.	Jharkhand

Choose the correct answer from the options given below:

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

Options :

68634050889. 1
68634050890. 2
68634050891. 3
68634050892. 4

Question Number : 24 Question Id : 68634012884 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

Recently launched ' Bharat - NCAP ' is related to:

1. Crash safety performance of cars
2. Emission test protocols
3. Pollution control norms
4. Green fuel production

Options :

68634050893. 1
68634050894. 2
68634050895. 3
68634050896. 4

Question Number : 24 Question Id : 68634012884 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

Recently launched ' Bharat - NCAP ' is related to:

1. Crash safety performance of cars
2. Emission test protocols
3. Pollution control norms
4. Green fuel production

Options :

- 68634050893. 1
- 68634050894. 2
- 68634050895. 3
- 68634050896. 4

Question Number : 25 Question Id : 68634012885 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

Who is the first Indian to be Miss World ?

1. Aishwarya Rai
2. Reeta Faria
3. Diya Mirza
4. Lara Dutta

Options :

- 68634050897. 1
- 68634050898. 2
- 68634050899. 3
- 68634050900. 4

Question Number : 25 Question Id : 68634012885 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

Who is the first Indian to be Miss World ?

1. Aishwarya Rai
2. Reeta Faria
3. Diya Mirza
4. Lara Dutta

Options :

- 68634050897. 1
- 68634050898. 2
- 68634050899. 3
- 68634050900. 4

Part B: Botany

Section Id :	686340256
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 :	686340422
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 26 Question Id : 68634012886 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

Reticulate type of chloroplast is a characteristic of which algae?

1. *Oedogonium*
2. *Zygnema*
3. *Chlamydomonas*
4. *Vaucheria*

Options :

68634050901. 1
68634050902. 2
68634050903. 3
68634050904. 4

Question Number : 26 Question Id : 68634012886 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

जालिकारुप हरितलवक किस शैवाल का एक लक्षण है?

1. ईडोगोनियम
2. जिग्रीमा
3. क्लैमाईडोमोनास
4. वौचेरिया

Options :

68634050901. 1

68634050902. 2
68634050903. 3
68634050904. 4

Question Number : 27 Question Id : 68634012887 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 algae shows fungus like branched, coenocytic and siphonaceous thallus.

1. *Navicula*
2. *Vaucheria*
3. *Volvox*
4. *Polysiphonia*

Options :

68634050905. 1
68634050906. 2
68634050907. 3
68634050908. 4

Question Number : 27 Question Id : 68634012887 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

कौन सा शैवाल, कवक की तरह शाखाकृत, संकोशिकी तथा नालीय थैलस दर्शाता है?

1. नैवीक्यूला
2. वौचेरिया
3. वॉल्वॉक्स
4. पौलीसिफ़ोनिया

Options :

68634050905. 1
68634050906. 2
68634050907. 3
68634050908. 4

Question Number : 28 Question Id : 68634012888 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

Following are the common characteristic structural motifs of eukaryotic transcription factors, except:

1. helix-turn-helix (HTH)
2. Zinc-finger
3. TFIIB
4. basic leucine zipper (bZIP)

Options :

68634050909. 1
68634050910. 2
68634050911. 3
68634050912. 4

Question Number : 28 Question Id : 68634012888 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

.....के अतिरिक्त ससीमकेन्द्रकी अनुलेखन कारकों के संरचनात्मक अनुकल्प है।

1. हेलिक्स-टर्न-हेलिक्स (एच.टी.एच)
2. जिंक फिंगर
3. टी एफ आई आई बी (TFIIB)
4. बेसिक ल्यूसीन जिपर (बी जेड आई पी)

Options :

68634050909. 1
68634050910. 2
68634050911. 3
68634050912. 4

Question Number : 29 Question Id : 68634012889 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

Bacterial species showing several flagella at one pole are called:

1. Monotrichous
2. Lophotrichous
3. Amphitrichous
4. Peritrichous

Options :

68634050913. 1
68634050914. 2

68634050915. 3

68634050916. 4

Question Number : 29 Question Id : 68634012889 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

एक ही ध्रुव पर कई कशाभिकाएँ दर्शाने वाली जीवाणुज जाति को क्या कहते हैं?

1. एक कशाभी
2. दीर्घकशामी
3. उभकशाभी
4. परिरोमी

Options :

68634050913. 1

68634050914. 2

68634050915. 3

68634050916. 4

Question Number : 30 Question Id : 68634012890 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.	Red rust disease of tea leaves	I.	<i>Vaucheria</i>
B.	Chlorellin	II.	<i>Cephaleuros</i>
C.	Gongrosira stage	III.	<i>Chlorella</i>
D.	Sea palm	IV.	<i>Portelsia</i>

Choose the correct answer from the options given below:

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

Options :

68634050917. 1

68634050918. 2

68634050919. 3

68634050920. 4

Question Number : 30 Question Id : 68634012890 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 का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	चाय की पत्तियों का लाल किट्ट रोग	I.	वैचरिया
B.	क्लोरेलिन	II.	सैफैल्यूरस
C.	गोंगरोसिरा अवस्था	III.	क्लोरेला
D.	समुद्री ताड़	IV.	पोरटेल्शिया

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634050917. 1
68634050918. 2
68634050919. 3
68634050920. 4

Question Number : 31 Question Id : 68634012891 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 Structure		LIST II Name of organism	
A.	Heterocyst	I.	<i>Cladophora</i>
B.	Cap cells	II.	Diatoms
C.	Frustule	III.	Blue green algae
D.	<i>Aegagropilous</i> forms	IV.	<i>Oedogonium</i>

Choose the correct answer from the options given below:

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

Options :

68634050921. 1
68634050922. 2
68634050923. 3
68634050924. 4

Question Number : 31 Question Id : 68634012891 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 का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	हेटेरोसिस्ट	I.	क्लैडोफोरा
B.	गोपक कोशिका	II.	डायटमस
C.	फ्रस्ट्यूल	III.	नील हरित शैवाल
D.	ईगाग्रोपिलीय रूप	IV.	ईडोगोनियम

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634050921. 1
68634050922. 2
68634050923. 3
68634050924. 4

Question Number : 32 Question Id : 68634012892 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: Riboswitches are the small mRNA, which alter the expression of a gene.

Reason R: Alternation of expression is due to high specificity of mRNA to broad range of ligands.

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 :

68634050925. 1
68634050926. 2
68634050927. 3
68634050928. 4

Question Number : 32 Question Id : 68634012892 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 A** (Assertion A) के रूप में लिखित है तो दूसरा उसके **कारण R** (Reason R) के रूप में

अभिकथन A: राइबोस्विच लघु mRNA हैं जो एक जीन की अभिव्यक्ति को परिवर्तित करते हैं।

कारण R: अभिव्यक्ति का प्रत्यावर्तन mRNA लिगन्ड की व्यापक रेंज में उच्च विशिष्टता के कारण होते हैं।

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

1. **A** और **R** दोनों सही हैं और **R, A** की सही व्याख्या है
2. **A** और **R** दोनों सही हैं और **R, A** की सही व्याख्या नहीं है
3. **A** सही है लेकिन **R** सही नहीं है
4. **A** सही नहीं है लेकिन **R** सही है

Options :

68634050925. 1
68634050926. 2
68634050927. 3
68634050928. 4

Question Number : 33 Question Id : 68634012893 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 true about Gibberellins?

- A. Gibberellins are terpenoid compounds, made up of isoprene units.
- B. GA₁₂ is the precursor of all the other gibberellins.
- C. GA₁ and GA₃ are directly responsible for the various effects in plants.
- D. Size of seedless grapes can be increased by GA applications.
- E. Gibberellin biosynthesis can be inhibited by application of Auxins.

Choose the correct answer from the options given below:

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

Options :

68634050929. 1
68634050930. 2
68634050931. 3
68634050932. 4

Question Number : 33 Question Id : 68634012893 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

जिबेरेलिन के बारे में, निम्नलिखित में कौन सत्य है?

- A. जिबेरेलिन, आइसोप्रीन इकाइयों से बने टर्पेनोइड यौगिक है।
- B. GA₁₂ सभी दूसरे जिबेरेलिन का पूर्वगामी है।
- C. GA₁ और GA₃, पौधों में विभिन्न प्रभावों के लिए सीधे-उत्तरदायी हैं।
- D. GA के प्रयोग से बीजरहित अंगूरों का आकार बढ़ाया जा सकता है।
- E. ऑक्सिन के अनुप्रयोग से जिबेरेलिन के जैव संश्लेषण को रोका जा सकता है।

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

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

Options :

- 68634050929. 1
- 68634050930. 2
- 68634050931. 3
- 68634050932. 4

Question Number : 34 Question Id : 68634012894 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 true for Alternative Splicing?

- A. It increases the number of proteins that can be made from each gene.
- B. It is a step in the process of post-translational regulation.
- C. It can change the protein localization in the cell.
- D. It defines removal of alternative introns from the mRNA.
- E. It allows the humans to produce several hundred thousand different proteins from 25000 genes.

Choose the correct answer from the options given below:

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

Options :

- 68634050933. 1

68634050934. 2
68634050935. 3
68634050936. 4

**Question Number : 34 Question Id : 68634012894 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 वैकल्पिक संबंधन के लिए कौन-कौन सत्य है?

- A. यह प्रत्येक जीन से बनने वाली प्रोटीन की संख्या में वृद्धि करता है।
- B. यह पशु अनुवादन नियंत्रण प्रक्रिया का एक चरण है।
- C. यह कोशिका में प्रोटीन की स्थानगतता को परिवर्तित कर सकता है।
- D. यह mRNA से वैकल्पिक व्यक्तित्व को हटाने को परिभाषित करता है।
- E. यह 25000 जीनों से सैकड़ों- हजारों मानव प्रोटीन के निर्माण में सहायता करता है।

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

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

Options :

68634050933. 1
68634050934. 2
68634050935. 3
68634050936. 4

**Question Number : 35 Question Id : 68634012895 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 Botanical Name		LIST II English Name	
A.	<i>Cucumis sativa</i>	I.	Pumpkin
B.	<i>Cucumis melo</i>	II.	Melon
C.	<i>Curcubita pepo</i>	III.	Cucumber
D.	<i>Citrullus lanatus</i>	IV.	Water melon

Choose the correct answer from the options given below:

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

Options :

68634050937. 1
68634050938. 2
68634050939. 3
68634050940. 4

Question Number : 35 Question Id : 68634012895 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 का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	कुकुमिस सैटाइवा	I.	धीया
B.	कुकुमिस मेलो	II.	खरबूजा
C.	करकुरबिटा पेपो	III.	खीरा
D.	सिट्रुल्लस लेनेटस	IV.	तरबूज

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634050937. 1
68634050938. 2
68634050939. 3
68634050940. 4

Question Number : 36 Question Id : 68634012896 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

Eukaryotic ribosomes sediment in sucrose gradient with a sedimentation coefficient of:

1. 100 S
2. 90 S
3. 80 S
4. 150 S

Options :

- 68634050941. 1
- 68634050942. 2
- 68634050943. 3
- 68634050944. 4

Question Number : 36 Question Id : 68634012896 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

सूक्रोज प्रवणता में यूकेरियोट के राइबोसोम अवसाद.....अवसादन स्थिरांक के साथ होते हैं।

1. 100 S
2. 90 S
3. 80 S
4. 150 S

Options :

- 68634050941. 1
- 68634050942. 2
- 68634050943. 3
- 68634050944. 4

Question Number : 37 Question Id : 68634012897 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: The chromosome is composed of heterochromatic terminal region called telomeres.

Reason R: Telomeres are important part of a chromosome and are required during chromatid separation in cell cycle.

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 :

- 68634050945. 1
- 68634050946. 2
- 68634050947. 3
- 68634050948. 4

Question Number : 37 Question Id : 68634012897 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 A** (Assertion A) के रूप में लिखित है तो दूसरा उसके **कारण R** (Reason R) के रूप में

अभिकथन A: गुणसूत्र अंतस्थ विषमवर्णी (हेट्रोक्रोमैटिक) क्षेत्रों से बने होते हैं जिनको अंतखंड कहा जाता है

कारण R: अंतखंड, गुणसूत्र के महत्वपूर्ण भाग है जो कि कोशिकाचक्र में गुणसूत्र पृथक्करण के लिए आवश्यक हैं।

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

1. **A** और **R** दोनों सही हैं और **R**, **A** की सही व्याख्या है
2. **A** और **R** दोनों सही हैं और **R**, **A** की सही व्याख्या नहीं है
3. **A** सही है लेकिन **R** सही नहीं है
4. **A** सही नहीं है लेकिन **R** सही है

Options :

- 68634050945. 1
- 68634050946. 2
- 68634050947. 3
- 68634050948. 4

Question Number : 38 Question Id : 68634012898 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

An opportunistic fungal parasite that causes mycoses in animals:

1. *Candida albicans*
2. *Neurospora crassa*
3. *Tuber melanosporum*
4. *Pilobolus*

Options :

68634050949. 1
68634050950. 2
68634050951. 3
68634050952. 4

Question Number : 38 Question Id : 68634012898 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

जानवरों में होने वाला माइकोसिस संक्रमण, निम्न एक अवसरवादी कवकी परजीवी के कारण होता है।

1. कैंडिड एल्बीकन्स
2. न्यूरोस्पोरा क्रैसा
3. ट्यूबर मिलेनोस्पोरम
4. पाइलोबोलस

Options :

68634050949. 1
68634050950. 2
68634050951. 3
68634050952. 4

Question Number : 39 Question Id : 68634012899 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 systematic study of recurrence of cereal rust in the plain of India was carried out by:

1. Dr. P. Maheshwari
2. Dr. K.C. Mehta
3. Dr. P.C. Mehta
4. Dr. Hargovind Khurana

Options :

68634050953. 1
68634050954. 2

68634050955. 3

68634050956. 4

Question Number : 39 Question Id : 68634012899 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 के मैदानी क्षेत्र में धान्य किट्ट की पुनरावृत्ति के विषय में एक व्यवस्थित अध्ययन किसके द्वारा किया गया था?

1. डॉ. पी. माहेश्वरी
2. डॉ.के.सी. मेहता
3. डॉ.पी.सी.मेहता
4. डॉ. हरगोविन्द खुराना

Options :

68634050953. 1

68634050954. 2

68634050955. 3

68634050956. 4

Question Number : 40 Question Id : 68634012900 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

Aflatoxins are produced by:

1. *Aspergillus flavus*
2. *Penicillium rubrum*
3. *Cordyceps purpurea*
4. *Claviceps purpurea*

Options :

68634050957. 1

68634050958. 2

68634050959. 3

68634050960. 4

Question Number : 40 Question Id : 68634012900 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

ऐफ्लाटॉक्सिन किसके द्वारा उत्पादित किए जाते हैं?

1. एस्पेरजिलस फ्लेवस
2. पैनीसीलियम रूबरम
3. कॉर्डिसेप्स परप्यूरिया
4. क्लैविसेप्स परप्यूरिया

Options :

68634050957. 1
68634050958. 2
68634050959. 3
68634050960. 4

Question Number : 41 Question Id : 68634012901 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 Name		LIST II Organism	
A.	Black wart disease of potato	I.	<i>Synchytrium endobioticum</i>
B.	Black Mould	II.	<i>Achyla bisexualis</i>
C.	Water Mould	III.	<i>Aspergillus niger</i>
D.	Blue or Green Mold	IV.	<i>Penicillium chrysogenum</i>

Choose the correct answer from the options given below:

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

Options :

68634050961. 1
68634050962. 2
68634050963. 3
68634050964. 4

Question Number : 41 Question Id : 68634012901 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 का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	आलू का कृष्ण कीलक रोग	I.	सिंकीट्रियम एंडोबायोटिकम
B.	काला फफूंद	II.	अकाएला बाइसेक्शुआलिस
C.	जल फफूंद	III.	एस्परजिलस नाइगर
D.	नीला या हरा फफूंद	IV.	पैनिसीलियम क्राईसोजिनम

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634050961. 1
68634050962. 2
68634050963. 3
68634050964. 4

Question Number : 42 Question Id : 68634012902 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

Parasexual cycle brings variation in those fungi where sexual reproduction is absent. Arrange the following steps involved in the cycle sequentially:

- A. Multiplication of diploid nuclei.
- B. Formation of heterokaryotic mycelium and nuclear fusion.
- C. Sorting of diploid nuclei and occasional haplodization of diploid nuclei.
- D. Occasional mitotic crossing over.
- E. Sorting of new haploid strain.

Choose the correct answer from the options given below:

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

Options :

68634050965. 1
68634050966. 2
68634050967. 3
68634050968. 4

Question Number : 42 Question Id : 68634012902 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

पेरालैंगिक चक्रण उन फफूँदों में विविधता लाने के लिए एक वैकल्पिक प्रक्रिया है, जिनमें लैंगिक प्रजनन नहीं होता। चक्र के लिए निम्न लिखित चरणों को क्रमानुसार अनुक्रम में व्यवस्थित कीजिए।

- A. द्विगुणित केन्द्रकों का गुणन
- B. विषमकेन्द्रक कवकजाल केन्द्रक संलयन का निर्माण
- C. द्विगुणित केन्द्रकों की छँटाई तथा कभी-कभी द्विगुणित केन्द्रकों का अगुणन
- D. अक्सर समसूत्री विनिमय होना
- E. नये अगुणज विकृति की छँटाई

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

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

Options :

- 68634050965. 1
- 68634050966. 2
- 68634050967. 3
- 68634050968. 4

Question Number : 43 Question Id : 68634012903 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

Among the fossils, well preserved leaf venation pattern can be seen in:

- 1. Coal balls
- 2. Incrustation fossils
- 3. Compactation fossils
- 4. Impression fossils

Options :

- 68634050969. 1
- 68634050970. 2
- 68634050971. 3
- 68634050972. 4

Question Number : 43 Question Id : 68634012903 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 किस जीवाश्म में पत्तों के शिराविन्यास का पैटर्न भली प्रकार से संरक्षित देखा जा सकता है?

1. कोयला बॉल
2. इनक्रसटेशन जीवाश्म
3. संहति जीवाश्म
4. मुद्रा जीवाश्म

Options :

68634050969. 1
68634050970. 2
68634050971. 3
68634050972. 4

Question Number : 44 Question Id : 68634012904 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

Microspores are liberated at 5-celled stage of male gametophytes in:

1. *Pinus*
2. *Cycas*
3. *Ephedra*
4. *Ginkgo*

Options :

68634050973. 1
68634050974. 2
68634050975. 3
68634050976. 4

Question Number : 44 Question Id : 68634012904 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

नर युग्मकोदभिद के विकास में सूक्ष्मबीजांडो को 5- कोशिकीय अवस्था निम्न में से किसमे छोड़ा जाता है।

1. पाइनस
2. साइकस
3. एफेड्रा
4. गिन्को

Options :

68634050973. 1

68634050974. 2
68634050975. 3
68634050976. 4

**Question Number : 45 Question Id : 68634012905 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**

Gradate sori can be seen in:

1. *Marsilea*
2. *Selaginella*
3. *Pteris*
4. *Ophioglossum*

Options :

68634050977. 1
68634050978. 2
68634050979. 3
68634050980. 4

**Question Number : 45 Question Id : 68634012905 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 किसमें ग्रेडेट सोरी देखा जा सकता है?

1. मारसीलिया
2. सेलेजिनेला
3. टेरिस
4. ओफ़ियोग्लोसम

Options :

68634050977. 1
68634050978. 2
68634050979. 3
68634050980. 4

**Question Number : 46 Question Id : 68634012906 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**

_____ has elaterophores present in the apical region of the capsule.

1. *Pellia*
2. *Riccia*
3. *Anthoceros*
4. *Riccardia*

Options :

68634050981. 1
68634050982. 2
68634050983. 3
68634050984. 4

Question Number : 46 Question Id : 68634012906 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 किसमें शीर्षस्थ इलेटरधर उपस्थित है?

1. पेलिया
2. रिक्सिया
3. एंथोसेरोस
4. रिकार्डिया

Options :

68634050981. 1
68634050982. 2
68634050983. 3
68634050984. 4

Question Number : 47 Question Id : 68634012907 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>Anthoceros</i>	I.	Hornworts
B.	<i>Sphagnum</i>	II.	Maiden hair fern
C.	<i>Adiantum</i>	III.	Royal fern
D.	<i>Osmunda</i>	IV.	Peat moss

Choose the correct answer from the options given below:

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

Options :

68634050985. 1
68634050986. 2
68634050987. 3
68634050988. 4

Question Number : 47 Question Id : 68634012907 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 का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	<i>एंथोसेरोस</i>	I.	हॉर्नवर्ट
B.	<i>स्फैगनम</i>	II.	प्रथम रोम पर्णांग
C.	<i>एडिएन्टम</i>	III.	रायल पर्णांग
D.	<i>ऑसमुंडा</i>	IV.	पीट मॉस

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634050985. 1
68634050986. 2
68634050987. 3
68634050988. 4

Question Number : 48 Question Id : 68634012908 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.	Lutoids	I.	Sieve elements
B.	Nacre' wall	II.	Idioblast
C.	Cystolith	III.	Cork cambium
D.	Phelloid cell	IV.	Laticifers

Choose the correct answer from the options given below:

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

Options :

68634050989. 1
68634050990. 2
68634050991. 3
68634050992. 4

Question Number : 48 Question Id : 68634012908 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 का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	ल्यूटाइड	I.	छलनी कोशिका
B.	नैकरे भित्ति	II.	इडियोबलास्ट
C.	सिस्टोलिथ	III.	कॉर्क कैम्बियम
D.	फेलोइड कोशिका	IV.	लेटीसिफर

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634050989. 1
68634050990. 2
68634050991. 3
68634050992. 4

Question Number : 49 Question Id : 68634012909 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>WUSCHEL</i> gene	I.	Stomata
B.	<i>TOO MANY MOUTHS</i> gene	II.	Vascular bundles
C.	<i>GLABROUS</i> gene	III.	Shoot Apical Meristem
D.	<i>Wilted</i> gene	IV.	Trichome

Choose the correct answer from the options given below:

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

Options :

68634050993. 1
 68634050994. 2
 68634050995. 3
 68634050996. 4

Question Number : 49 Question Id : 68634012909 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 का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	वृश्ल जीन	I.	रंध्र
B.	अनेकमुखी जीन	II.	संवहन बंडल
C.	ग्लैबरस जीन	III.	प्ररोह शीर्ष विभज्योतक
D.	ग्लानित जीन	IV.	त्वचारोम

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634050993. 1
 68634050994. 2
 68634050995. 3
 68634050996. 4

Question Number : 50 Question Id : 68634012910 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

Fibers commonly formed in the secondary xylem of tension wood are termed:

1. Substitute fibers
2. Libriform fibers
3. Gelatinous fibers
4. Fiber tracheids

Options :

68634050997. 1
68634050998. 2
68634050999. 3
68634051000. 4

Question Number : 50 Question Id : 68634012910 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

टेंशन वुड की द्वितीयक दारु/जाइलम में प्रायः बनने वाले रेशों को..... कहते हैं?

1. प्रतिस्थापी रेशा
2. पोषवाहरूप रेशा
3. श्लेष्पी रेशा
4. फाइबर ट्रेकीयड

Options :

68634050997. 1
68634050998. 2
68634050999. 3
68634051000. 4

Question Number : 51 Question Id : 68634012911 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

Vascular bundle, in which the primary xylem is bounded both to the inside and outside by strands of primary phloem, is known as:

1. Collateral bundle
2. Bicollateral bundle
3. Amphivasal bundles
4. Amphicribal bundles

Options :

- 68634051001. 1
- 68634051002. 2
- 68634051003. 3
- 68634051004. 4

Question Number : 51 Question Id : 68634012911 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

संवहन पूल जिनमें मुख्य जाइलम अंदर व बाहर दोनों में मुख्य फ्लोएम के रज्जुओं से सीमित होता है उसको कहा जाता है।

1. बहिःपोषवाही (कोलेटरल) पूल
2. उभय पोषवाही (बाइकोलेटरल) पूल
3. पोषवाह केन्द्री (एमफीवेसल) पूल
4. ज़ाइलम केन्द्री (एमफीक्रिबरल) पूल

Options :

- 68634051001. 1
- 68634051002. 2
- 68634051003. 3
- 68634051004. 4

Question Number : 52 Question Id : 68634012912 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>Osmunda</i>	I.	Amphivasal vascular bundles
B.	<i>Cucurbita</i>	II.	Collateral vascular bundles
C.	<i>Acorus</i>	III.	Bicollateral vascular bundles
D.	<i>Cassia</i>	IV.	Amphicribal bundles

Choose the correct answer from the options given below:

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

Options :

68634051005. 1
68634051006. 2
68634051007. 3
68634051008. 4

Question Number : 52 Question Id : 68634012912 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 का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	<i>आसमुंडा</i>	I.	पोषवाह केन्द्री पूल
B.	<i>कुकुरबिटा</i>	II.	बहिःपोषवाही पूल
C.	<i>एकरिस</i>	III.	उभयपोषवाही पूल
D.	<i>केसिया</i>	IV.	ज़ाइलम केन्द्री पूल

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634051005. 1
68634051006. 2
68634051007. 3
68634051008. 4

Question Number : 53 Question Id : 68634012913 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: Wild species of *Dioscorea* are used for the extraction of steroidal sapogenins which can be converted into cortisone, testosterone and oestrogen as well as progesterone.

Statement II: The inflorescence of *Colocasia esculenta* is spadix with short peduncle which is shorter than the petiole.

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 :

68634051009. 1
68634051010. 2
68634051011. 3
68634051012. 4

Question Number : 53 Question Id : 68634012913 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: डाइऑस्कोरिया की जंगली प्रजाति का उपयोग स्टेरॉयड सेपोजेनिन के निष्कर्षण के लिए किया जाता है जिसे टेस्टोस्टेरोन, ऑस्ट्रोजन तथा प्रोजेस्टोन कॉर्टीसन में परिवर्तित किया जा सकता है।

कथन II: कोलोकेसिया एस्कुलेटा में पुष्पक्रम स्पैडिक्स होता है जिसमें पुष्पावलि वृंत पर्णवृंत से भी छोटा होता है।

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

1. कथन I और कथन II दोनों सही हैं
2. कथन I और कथन II दोनों गलत हैं
3. कथन I सही हैं, लेकिन कथन II गलत हैं
4. कथन I गलत हैं, लेकिन कथन II सही हैं

Options :

68634051009. 1
68634051010. 2
68634051011. 3
68634051012. 4

Question Number : 54 Question Id : 68634012914 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: *Cymbopogon citratus* is known as citronella grass which is a native of Sri Lanka.

Reason R: Citronella grass essential oil has significant amount of Citronellal and Geraniol content, besides Geranial and Borneol.

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 :

68634051013. 1
68634051014. 2
68634051015. 3
68634051016. 4

Question Number : 54 Question Id : 68634012914 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 A**(Assertion A)के रूप में लिखित है तो दूसरा उसके **कारण R**(Reason R)के रूप में

अभिकथन A: *सिम्बोपोगोन सिट्रेटस* को सिट्रोनेला ग्रास भी कहा जाता है जो श्रीलंका का देशज है।

कारण R: सिट्रोनेला ग्रास सारभूत तेल में जेरेनियल तथा बॉर्नियॉल के अतिरिक्त सिट्रोनेलल और जेरेनियोल सार्थक मात्रा में होती है।

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

1. **A** और **R** दोनों सही हैं और **R**, **A** की सही व्याख्या हैं
2. **A** और **R** दोनों सही हैं और **R**, **A** की सही व्याख्या नहीं हैं
3. **A** सही है लेकिन **R** सही नहीं है
4. **A** सही नहीं है लेकिन **R** सही है

Options :

68634051013. 1
68634051014. 2
68634051015. 3
68634051016. 4

Question Number : 55 Question Id : 68634012915 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

Sapodilla, belongs to _____ family.

1. Oxalidaceae
2. Sapotaceae
3. Caricaceae
4. Vitaceae

Options :

68634051017. 1
68634051018. 2
68634051019. 3
68634051020. 4

Question Number : 55 Question Id : 68634012915 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

सैपोडिला निम्न में से किस कुल में आता है?

1. ऑर्गैलीडेसी
2. सैपोटेसी
3. कैरीकेसी
4. वाइटेसी

Options :

68634051017. 1
68634051018. 2
68634051019. 3
68634051020. 4

Question Number : 56 Question Id : 68634012916 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>Vigna unguiculata</i>	I.	Black gram
B.	<i>Phaseolus mungo</i>	II.	Bengal gram
C.	<i>Cicer arietinum</i>	III.	Cow peas
D.	<i>Phaseolus aureus</i>	IV.	Green gram

Choose the correct answer from the options given below:

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

Options :

68634051021. 1
68634051022. 2
68634051023. 3
68634051024. 4

Question Number : 56 Question Id : 68634012916 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 का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	विग्न उंगीकुलेटा	I.	उड़द
B.	फेज़ियोलस मुंगो	II.	चना
C.	सीसर एरीटिनम	III.	लोबिया
D.	फेज़ियोलस ऑरियस	IV.	मूँग

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634051021. 1
68634051022. 2
68634051023. 3
68634051024. 4

Question Number : 57 Question Id : 68634012917 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

Age pyramid having a bell-shaped polygon denotes:

1. Increasing population
2. Decreasing population
3. Stable population
4. Fluctuating population

Options :

- 68634051025. 1
- 68634051026. 2
- 68634051027. 3
- 68634051028. 4

Question Number : 57 Question Id : 68634012917 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

घंटा-आकारित बहुभुज आयु पिरामिड क्या दर्शाता है?

1. बढ़ती हुई जनसंख्या
2. घटती हुई जनसंख्या
3. स्थिर जनसंख्या
4. अस्थिर जनसंख्या

Options :

- 68634051025. 1
- 68634051026. 2
- 68634051027. 3
- 68634051028. 4

Question Number : 58 Question Id : 68634012918 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

Mutations occurring in cell other than germ cells are known as:

1. Silent mutation
2. Somatic mutation
3. Missense mutation
4. Point mutation

Options :

- 68634051029. 1

68634051030. 2
68634051031. 3
68634051032. 4

Question Number : 58 Question Id : 68634012918 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

जनन कोशिका के अतिरिक्त शरीर में किसी भी कोशिका में उत्परिवर्तन को _____ कहते हैं।

1. नीरव उत्परिवर्तन
2. कायिक उत्परिवर्तन
3. अपार्थक उत्परिवर्तन
4. बिंदु उत्परिवर्तन

Options :

68634051029. 1
68634051030. 2
68634051031. 3
68634051032. 4

Question Number : 59 Question Id : 68634012919 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

Variations in chromosome number represented by $2n+1$ in organisms are called:

1. Monosomy
2. Diploidy
3. Trisomy
4. Disomy

Options :

68634051033. 1
68634051034. 2
68634051035. 3
68634051036. 4

Question Number : 59 Question Id : 68634012919 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

जीवों में $2n + 1$ द्वारा प्रतिनिधित्व की जाने वाले गुणसूत्रों की संख्या में विभिन्नता को क्या कहते हैं?

1. एकलसूत्री
2. द्विगुणितता
3. त्रिसूत्रता
4. द्विसूत्रता

Options :

68634051033. 1
68634051034. 2
68634051035. 3
68634051036. 4

Question Number : 60 Question Id : 68634012920 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

Specialized chromosomes associated with larvae of some flies are called:

1. Lampbrush chromosome
2. Metacentric chromosome
3. Polytene chromosome
4. Somatic Chromosome

Options :

68634051037. 1
68634051038. 2
68634051039. 3
68634051040. 4

Question Number : 60 Question Id : 68634012920 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

कुछ मक्खियों के लारवों से संबंधित विशिष्ट गुणसूत्र क्या कहलाते हैं?

1. लैम्पब्रुश गुणसूत्र
2. मध्यकेन्द्र गुणसूत्र
3. बहुपट्ट गुणसूत्र
4. कायिक गुणसूत्र

Options :

68634051037. 1

68634051038. 2
68634051039. 3
68634051040. 4

Question Number : 61 Question Id : 68634012921 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

Homologous chromosomes containing identical gene sites along their length called:

1. Alleles
2. Loci
3. Dialleles
4. Chiasmata

Options :

68634051041. 1
68634051042. 2
68634051043. 3
68634051044. 4

Question Number : 61 Question Id : 68634012921 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

समजात गुणसूत्रों में उनकी लंबाई के साथ-साथ अभिन्न जीन स्थल होते हैं जिनको _____ कहते हैं?

1. एलील/विकल्पी
2. स्थानिक संघक
3. द्विविकल्पी
4. किएज़मेटा

Options :

68634051041. 1
68634051042. 2
68634051043. 3
68634051044. 4

Question Number : 62 Question Id : 68634012922 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.	Recombination in Bacteria	I.	Transcription factor
B.	Clover leaf model	II.	snRNA
C.	Spliceosome	III.	Rec A protein
D.	Zinc-finger	IV.	t-RNA

Choose the correct answer from the options given below:

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

Options :

68634051045. 1
68634051046. 2
68634051047. 3
68634051048. 4

Question Number : 62 Question Id : 68634012922 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 का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	जीवाणुओं में पुनःसंयोजन	I.	अनुलेखन कारक
B.	त्रिपणी मॉडल	II.	snRNA
C.	(Spliceosome) स्प्लाइज़िओज़ोम	III.	Rec A प्रोटीन
D.	ज़िंक-फिंगर	IV.	t-RNA

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634051045. 1
68634051046. 2
68634051047. 3
68634051048. 4

Question Number : 63 Question Id : 68634012923 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

Satellite DNA is absent in:

- A. Plasmid
- B. Prokaryotes
- C. Eukaryotes
- D. *Drosophila*
- E. Yeast

Choose the correct answer from the options given below:

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

Options :

- 68634051049. 1
- 68634051050. 2
- 68634051051. 3
- 68634051052. 4

Question Number : 63 Question Id : 68634012923 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

सैटेलाइट डी एन ए, निम्न में से किसमें नहीं पाया जाता ?

- A. प्लाज़मिड
- B. प्राक्केन्द्रक
- C. यूकेरियोट
- D. *ड्रोसोफ़िला*
- E. खमीर

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

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

Options :

- 68634051049. 1
- 68634051050. 2
- 68634051051. 3
- 68634051052. 4

Question Number : 64 Question Id : 68634012924 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 Common Name		LIST II Edible Protein	
A.	Papaya	I.	Pericarp
B.	Sapodilla	II.	Mesocarp
C.	Banana	III.	Pericarp, Placenta
D.	Guava	IV.	Mesocarp, endocarp

Choose the correct answer from the options given below:

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

Options :

68634051053. 1
68634051054. 2
68634051055. 3
68634051056. 4

Question Number : 64 Question Id : 68634012924 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 का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	पपीता	I.	फलभित्ति
B.	चीकू	II.	मध्यफलभित्ति
C.	केला	III.	फलभित्ति, बीजांडासन
D.	अमरुद	IV.	मध्यफलभित्ति, अंतःफलभित्ति

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634051053. 1
68634051054. 2

68634051055. 3

68634051056. 4

Question Number : 65 Question Id : 68634012925 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 first step in protein synthesis is the binding of the small ribosomal unit to the ribosome binding site of the mRNA that contains one of the following codons:

1. UUA

2. UAU

3. AAU

4. AUG

Options :

68634051057. 1

68634051058. 2

68634051059. 3

68634051060. 4

Question Number : 65 Question Id : 68634012925 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

प्रोटीन संश्लेषण के प्रथम चरण में राइबोसोम की लघु इकाई, mRNA के उस राइबोसोम बंधन स्थल के साथ बंध बनाता है, जिसमें निम्न में से कोई एक प्रकृत सम्मिलित हो।

1. UUA

2. UAU

3. AAU

4. AUG

Options :

68634051057. 1

68634051058. 2

68634051059. 3

68634051060. 4

Question Number : 66 Question Id : 68634012926 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: The chemical potential of an uncharged solute S, in a given medium can be defined as in equation

$$\mu_s = \mu_s^\circ + RT \ln a$$

Statement II: μ_s° = standard chemical potential

is at 1M concentration

R = Gas constant

T = Temperature

a = Natural logarithm of the activity a of the solvent

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 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 :

68634051061. 1

68634051062. 2

68634051063. 3

68634051064. 4

Question Number : 66 Question Id : 68634012926 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 हैं

कथन I: किसी अनावेशित विलेय s , की दिए गए माध्यम में रासायनिक विभव को निम्नलिखित समीकरण द्वारा परिभाषित किया जा सकता है।

$$\mu_s = \mu_s^\circ + RT \ln a$$

कथन II: $\mu_s^\circ =$ मानक रासायनिक विभव

s , की मात्रा 1M पर है

$R =$ गैस स्थिरांक

$T =$ कमरे का तापमान

$a =$ विलेय की गतिविधि a का स्वाभाविक लॉगैरिदम

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

1. कथन I और कथन II दोनों सही हैं
2. कथन I और कथन II दोनों गलत हैं
3. कथन I सही हैं, लेकिन कथन II गलत हैं
4. कथन I गलत हैं, लेकिन कथन II सही हैं

Options :

68634051061. 1
68634051062. 2
68634051063. 3
68634051064. 4

Question Number : 67 Question Id : 68634012927 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

Correct sequence for raw cotton processing into yarn and woven clothes is:

- A. Ginning
- B. Picking
- C. Combing and drawing of drafting
- D. Baling
- E. Carding

Choose the correct answer from the options given below:

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

Options :

- 68634051065. 1
- 68634051066. 2
- 68634051067. 3
- 68634051068. 4

Question Number : 67 Question Id : 68634012927 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

कपास से धागा (रेशा) बनाने की प्रक्रिया तथा उससे कपड़ा बुनने की सही अनुक्रम है:

- A. ओटाई
- B. चयन
- C. कंकलन तथा कर्षण या प्रारूपण
- D. गट्टा बनाना
- E. धुनाई

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

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

Options :

- 68634051065. 1
- 68634051066. 2
- 68634051067. 3
- 68634051068. 4

Question Number : 68 Question Id : 68634012928 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: Y-shaped or 2-channel energy flow model of E.P. Odum is more realistic than linear energy flow model of Lindeman.

Reason R: Y-shaped model is realistic because it has both grazing and detritus food chains.

In the light of the above statements, choose the *most appropriate* 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 not false but **R** is true

Options :

68634051069. 1
68634051070. 2
68634051071. 3
68634051072. 4

Question Number : 68 Question Id : 68634012928 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 A (Assertion A)** के रूप में लिखित है तो दूसरा उसके **कारण R (Reason R)** के रूप में

अभिकथन A: ई.पी ओडम का Y- आकारित या 2- मार्गी वाला ऊर्जा प्रवाह मॉडल लिंडेमैन के रेखिक ऊर्जा प्रवाह मॉडल से अधिक वास्तविक है।

कारण R: Y-आकारित मॉडल वास्तविक है क्योंकि इसमें चारण तथा अपरद खाद्य श्रृंखलाएँ होती हैं।

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

1. **A** और **R** दोनों सही हैं और **R, A** की सही व्याख्या है
2. **A** और **R** दोनों सही हैं और **R, A** की सही व्याख्या नहीं है
3. **A** सही है लेकिन **R** सही नहीं है
4. **A** सही नहीं है लेकिन **R** सही है

Options :

68634051069. 1
68634051070. 2
68634051071. 3
68634051072. 4

Question Number : 69 Question Id : 68634012929 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

Vivipary can be observed in-

1. Xerophytes
2. Halophytes
3. Mesophytes
4. Heliophytes

Options :

68634051073. 1
68634051074. 2
68634051075. 3
68634051076. 4

Question Number : 69 Question Id : 68634012929 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 किसमें सजीवप्रजता देखी जा सकती है?

1. मरुदभिद
2. लवणमृदोदभिद
3. समोदभिद
4. आतपोदभिद

Options :

68634051073. 1
68634051074. 2
68634051075. 3
68634051076. 4

Question Number : 70 Question Id : 68634012930 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 zone of transition between two communities is called:

1. Ecad
2. Ecotone
3. Ecotype
4. Edge effect

Options :

68634051077. 1

68634051078. 2
68634051079. 3
68634051080. 4

Question Number : 70 Question Id : 68634012930 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

दो समुदायों के बीच संक्रमण क्षेत्र को क्या कहते हैं?

1. इकैड
2. ईकोटोन/संक्रमिका
3. पारिरूप
4. कोर-प्रभाव

Options :

68634051077. 1
68634051078. 2
68634051079. 3
68634051080. 4

Question Number : 71 Question Id : 68634012931 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 correct order for the process of plant succession is:

- A. Migration
- B. Nudation
- C. Ecesis
- D. Stabilization
- E. Reaction

Choose the correct answer from the options given below:

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

Options :

68634051081. 1
68634051082. 2
68634051083. 3
68634051084. 4

Question Number : 71 Question Id : 68634012931 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

पादप अनुक्रमण का सही क्रम है:

- A. प्रवास
- B. अनाच्छादन
- C. आस्थापन/नवावास
- D. स्थायीकरण
- E. अभिक्रिया

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

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

Options :

- 68634051081. 1
- 68634051082. 2
- 68634051083. 3
- 68634051084. 4

Question Number : 72 Question Id : 68634012932 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.	Gloger rule	I.	Tail, snout, ear and legs of mammals
B.	Bergman rule	II.	Bird wings
C.	Allen rule	III.	Size of animal and body parts
D.	Rensch rule	IV.	Effect on coloration

Choose the correct answer from the options given below:

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

Options :

- 68634051085. 1
- 68634051086. 2
- 68634051087. 3
- 68634051088. 4

Question Number : 72 Question Id : 68634012932 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 का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	ग्लोजर का नियम	I.	स्थनधारियों की पूँछ, नाक, कान और टांगें
B.	बर्गमैन का नियम	II.	पक्षियों के पर
C.	एलन का नियम	III.	प्राणी के शरीर तथा भागों का आमाप
D.	रैश का नियम	IV.	रंजन पर प्रभाव

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634051085. 1
68634051086. 2
68634051087. 3
68634051088. 4

Question Number : 73 Question Id : 68634012933 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.	APG classification	I.	Charles Bessey
B.	Strobiloid theory	II.	G. Benthem and Sir J.D. Hooker
C.	Die Naturlichen Pflanzen familien	III.	Kare Bremer and Birgitta Bremer
D.	Genera Plantarum	IV.	Adolf Engler and K.A. Prantl

Choose the correct answer from the options given below:

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

Options :

68634051089. 1
68634051090. 2
68634051091. 3

Question Number : 73 Question Id : 68634012933 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 का सूची II के साथ मिलान कीजिए

सूची I		सूची II	
A.	APG वर्गीकरण	I.	चार्ल्स बैसी
B.	शंक्राभ सिद्धांत (Strobiloid theory)	II.	जी बैथम तथा सर जे डी हुकर
C.	डाइ नाटरलिकन फ्लांज़न फैमिलिएन	III.	कारे ब्रेमर तथा बर्जिता ब्रेमर
D.	जेनेश प्लान्टेरम	IV.	एडोल्फ एंगलर तथा के ए प्रॉटल

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए:

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

Options :

68634051089. 1
68634051090. 2
68634051091. 3
68634051092. 4

Question Number : 74 Question Id : 68634012934 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 specimen is termed _____, when in the absence of a holotype it is selected from the original material cited by the author.

1. Neotype
2. Lectotype
3. Isotype
4. Syntype

Options :

68634051093. 1
68634051094. 2
68634051095. 3
68634051096. 4

Question Number : 74 Question Id : 68634012934 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 भी नमूने कोकहा जाता है, जब एक नामप्ररूप की अनुपस्थिति में इसको लेखक द्वारा उद्धृत मौलिक सामग्री से चुना जाता है।

1. नवप्ररूप
2. चयनप्ररूप
3. समप्ररूप
4. सहप्ररूप

Options :

- 68634051093. 1
- 68634051094. 2
- 68634051095. 3
- 68634051096. 4

Question Number : 75 Question Id : 68634012935 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

Cerasus cornuta was first identified and named by Wallich but he failed to get it in a valid manner. Subsequently, it was validly published by Royle, Therefore, its scientific name would be correctly written as:

1. *Cerasus cornuta* Wall. in Royale
2. *Cerasus cornuta* Wall. emend Royle
3. *CeraSus cornuta* Wall. ex Royle
4. *CeraSus cornuta* Wall. [Royle]

Options :

- 68634051097. 1
- 68634051098. 2
- 68634051099. 3
- 68634051100. 4

Question Number : 75 Question Id : 68634012935 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

सेरेसस कॉरन्यूटा को सर्वप्रथम वॉलिश ने पहचाना और इसे नाम दिया किंतु वह इसे एक वैध तरीके से प्रकाशित करवाने में असफल रहा। बाद में, रॉयल द्वारा इसका वैधरूप से प्रकाशन किया गया। इसलिए, इसका वैज्ञानिक नाम सही रूप में.....लिखा जाएगा।

1. सेरेसस कॉरन्यूटा वॉल. इन रॉयल
2. सेरेसस कॉरन्यूटा वॉल. एमंड रॉयल
3. सेरेसस कॉरन्यूटा वॉल. एक्स रॉयल
4. सेरेसस कॉरन्यूटा वॉल. (रॉयल)

Options :

68634051097. 1
68634051098. 2
68634051099. 3
68634051100. 4

Question Number : 76 Question Id : 68634012936 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: It is valid to accept the applicability of generic name *Cecropia* for moths as well a tropical tree species.

Statement II: According to nomenclatural codes, same names are not allowed across the codes.

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 :

68634051101. 1
68634051102. 2
68634051103. 3
68634051104. 4

Question Number : 76 Question Id : 68634012936 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: पतंगो तथा उष्णकटिबंधीय वृक्ष प्रजातियों दोनों के लिए जातिगत नाम *सिसरोपिया* का प्रयोग स्वीकार करना वैध है।

Statement II: नामावली संहिता के अनुसार, वही नाम पूरी संहिता में किसी दूसरे को नहीं दिया जा सकता।

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

1. कथन I और कथन II दोनों सही हैं
2. कथन I और कथन II दोनों सही नहीं हैं
3. कथन I सही हैं, लेकिन कथन II गलत हैं
4. कथन I गलत हैं, लेकिन कथन II सही हैं

Options :

68634051101. 1
68634051102. 2
68634051103. 3
68634051104. 4

Question Number : 77 Question Id : 68634012937 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>Hedyserum cornutum</i> L. 1763 (=) <i>Hedyserum spinosum</i> L. 1759	I.	Tantonym
B.	<i>Acacia nilotica</i> ssp <i>nilotica</i>	II.	Nothospecies
C.	<i>Malus malus</i>	III.	Nomenclatural synonym
D.	<i>Salix aurita</i> X <i>Salix caprea</i>	IV.	Autonym

Choose the correct answer from the options given below:

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

Options :

68634051105. 1
68634051106. 2
68634051107. 3
68634051108. 4

Question Number : 77 Question Id : 68634012937 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 का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	हैडिसीरम करिन्यूटम L. 1763 (=) हैडिसीरम स्पाइनोजम L. 1759	I.	पूर्णनाम
B.	एकेसिया नीलोटिक ssp नीलोटिका	II.	नोथोस्पीशीज़
C.	मालस-मालस	III.	नामपद्धतीय समानार्थी
D.	सैलिक्स ऑसिटा X सैलिक्स कैपरिया	IV.	स्वनाम

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634051105. 1
68634051106. 2
68634051107. 3
68634051108. 4

Question Number : 78 Question Id : 68634012938 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: In gametophytic self-incompatible flowering plants, the direction of information to inhibit pollen tube is from pistil to pollen.

Reason R: The female determinants localized in the pistil interact with the pollen tubes in the style or ovule to inhibit the incompatible tube.

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 :

68634051109. 1
68634051110. 2
68634051111. 3
68634051112. 4

Question Number : 78 Question Id : 68634012938 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 (Reason R.)के रूप में

अभिकथन A: युग्मकोदभिद स्व-असंगत पुष्पी पादपों में, पराग नली के अवरोधन की सूचना की दिशा स्त्रीकेसर से पराग की तरफ होती है।

कारण R: स्त्रीकेसर में स्थानीकृत मादा निर्धारक, बीजांड या शूक में असंगत नली के अवरोधन के लिए पराग नलिकाओं में अंतःक्रिया करते हैं।

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

1. A और R दोनों सही हैं और R, A की सही व्याख्या हैं
2. A और R दोनों सही हैं और R, A की सही व्याख्या नहीं हैं
3. A सही है लेकिन R सही नहीं है
4. A सही नहीं है लेकिन R सही है

Options :

68634051109. 1
68634051110. 2
68634051111. 3
68634051112. 4

Question Number : 79 Question Id : 68634012939 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 type of embryogeny in which the apical cell of a 2-celled proembryo divides transversely and both the daughter cells contribute to the development of embryo is known as _____.

1. Asterad type
2. Crucifer type
3. Chenopodiad type
4. Caryophyllad type

Options :

68634051113. 1
68634051114. 2
68634051115. 3
68634051116. 4

Question Number : 79 Question Id : 68634012939 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

वह भ्रूणोद्भव जिसमें द्विकोशिकीय प्राकभ्रूण की शीर्षस्थ कोशिका अनुप्रस्थ रूप से विभाजित होती है और दोनों संतति कोशिकाएँ भ्रूण के विकास में योगदान देती हैं-

1. ऐस्ट्रेड प्रकार
2. क्यूसीफर प्रकार
3. कीनोपोडियाड प्रकार
4. कारयोफाइलाड प्रकार

Options :

- 68634051113. 1
- 68634051114. 2
- 68634051115. 3
- 68634051116. 4

Question Number : 80 Question Id : 68634012940 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

For commercial production of hybrid seeds, the three lines namely A, B and C refer to:

1. Maintainer, female parent and restorer, respectively.
2. Restorer, Maintainer, bisexual parent respectively
3. Bisexual parent, Restorer and Female parent respectively
4. Female parent, Maintainer and Male parent respectively

Options :

- 68634051117. 1
- 68634051118. 2
- 68634051119. 3
- 68634051120. 4

Question Number : 80 Question Id : 68634012940 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

संकरण बीजों के व्यवसायिक उत्पादन के लिए, तीनों लाइनें A, B तथा Cको संदर्भित करती है।

1. क्रमशः:अनुरक्षक,मादा जनक तथा पुनःस्थापक
2. क्रमशः: पुनः स्थापक, अनुरक्षक तथा द्विलिंगी जनक
3. क्रमशः:द्विलिंग जनक, पुनः स्थापक तथा मादा जनक
4. क्रमशः:मादा जनक,अनुरक्षक तथा नर जनक

Options :

68634051117. 1
68634051118. 2
68634051119. 3
68634051120. 4

**Question Number : 81 Question Id : 68634012941 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**

Ultrastructural details of constituent cells of female gametophyte was first explained by:

1. Panchanan Maheshwari
2. Jack Hesslop-Harrison
3. William A. Jensen
4. N.S. Rangaswamy

Options :

68634051121. 1
68634051122. 2
68634051123. 3
68634051124. 4

**Question Number : 81 Question Id : 68634012941 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**

मादा युग्मकोदभिद की संघटक कोशिकाओं के परासंरचनात्मक वर्णन को सर्वप्रथम.....द्वारा स्पष्ट किया गया।

1. पंचानन माहेश्वरी
2. जैक हैसलसोप हैरीसन
3. विलियम ए. जैनसेन
4. एन.एस. रंगास्वामी

Options :

68634051121. 1
68634051122. 2
68634051123. 3
68634051124. 4

**Question Number : 82 Question Id : 68634012942 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 Aponixis Type		LIST II Feature	
A.	<i>Ixeris</i>	I.	Precocious desynapsis
B.	<i>Allium</i>	II.	MMC bypasses meiosis
C.	<i>Taraxacum</i>	III.	Asyndetic meiotic prophase
D.	<i>Antennaria</i>	IV.	Premeiotic chromosome doubling

Choose the correct answer from the options given below:

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

Options :

68634051125. 1
68634051126. 2
68634051127. 3
68634051128. 4

Question Number : 82 Question Id : 68634012942 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 का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	<i>इक्सरिस</i>	I.	कालपूर्व विसूत्रयुग्मन
B.	<i>एलियम</i>	II.	MMC अर्धसूत्रण से बाह्य पथ ले लेता है
C.	<i>टेरेक्सकम</i>	III.	एसिंडेटिक अर्धसूत्रण पूर्ववस्था
D.	<i>एंटीनेरिया</i>	IV.	अर्धसूत्रणपूर्व गुणसूत्रों का द्विगुणन

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634051125. 1
68634051126. 2
68634051127. 3
68634051128. 4

Question Number : 83 Question Id : 68634012943 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 CAM pathway, the stomata :

1. opens during day
2. opens during night
3. remain closed during day and night
4. remain open during day and night

Options :

- 68634051129. 1
- 68634051130. 2
- 68634051131. 3
- 68634051132. 4

Question Number : 83 Question Id : 68634012943 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

CAM मार्ग पर स्टोमेटा-

1. दिन में खुलते हैं
2. रात को खुलते हैं
3. दिन और रात में बंद रहते हैं
4. दिन और रात में खुले रहते हैं

Options :

- 68634051129. 1
- 68634051130. 2
- 68634051131. 3
- 68634051132. 4

Question Number : 84 Question Id : 68634012944 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 regarding the nature of cell wall of different microorganisms?

- A. Cell wall of bacteria is composed of true peptidoglycan a complex having muramic acid and cross links of *L-amino acids*.
- B. Membrane lipids of Archaea contains branched chains attached to glycerol by ether linkage.
- C. Cell wall of fungi are majorly made up of chitin.
- D. Virus and viroids lack cell wall.
- E. Cell wall is absent in mycoplasma.

Choose the correct answer from the options given below:

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

Options :

- 68634051133. 1
- 68634051134. 2
- 68634051135. 3
- 68634051136. 4

Question Number : 84 Question Id : 68634012944 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

विभिन्न सूक्ष्मजीवियों कोशिका भित्ति की प्रकृति के विषय में निम्न में से कौन से कथन सही है?

जीवाणु की कोशिका भित्ति का निर्माण पैप्टिडोग्लाइकन, एक म्यूरेमिक अम्ल वाले सम्मिश्र तथा *L*- अमीनो अम्लों के प्रतिच्छेदित बंधों द्वारा होता है।

- A. आर्किये के झिल्ली लिपिड में शाखीय श्रंखलाएँ होती है, जो ग्लिसरोल के साथ ईथर बंधो द्वारा जुड़ी होती है।
- B. फफूँद की कोशिका भित्ति प्रमुखतः काइटिन से बनी होती है।
- C. विषाणुओं तथा वाइरॉइड में कोशिका भित्ति नहीं होती।
- D. माइकोप्लाज़म में कोशिका भित्ति नहीं पाई जाती।

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

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

Options :

- 68634051133. 1
- 68634051134. 2
- 68634051135. 3

68634051136. 4

Question Number : 85 Question Id : 68634012945 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

Formation of gas bubble leading to collapse of tension in liquid phase during water transport in xylem is called:

1. Capitation
2. Adhesion
3. Cavitation
4. Cohesion

Options :

- 68634051137. 1
- 68634051138. 2
- 68634051139. 3
- 68634051140. 4

Question Number : 85 Question Id : 68634012945 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

ज़ाइलम में जल संवहन के दौरान तरल अवस्था में तनाव के निष्क्रियण की तरह अग्रसर करने वाले गैस के बुलबुलों के निर्माण को..... कहते हैं।

1. समुंडन
2. संलग्नन
3. कोटरण
4. संसंजन

Options :

- 68634051137. 1
- 68634051138. 2
- 68634051139. 3
- 68634051140. 4

Question Number : 86 Question Id : 68634012946 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

During operation of C_2 oxidative photosynthetic cycle, molecules move from one organelle to another in following manner:

- A. Glycine is transported to mitochondria
- B. Glycolate is transported to peroxisome
- C. Serine is transported to peroxisome
- D. Glycerate is transported to chloroplast.

Choose the correct answer from the options given below:

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

Options :

- 68634051141. 1
- 68634051142. 2
- 68634051143. 3
- 68634051144. 4

Question Number : 86 Question Id : 68634012946 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

C_2 ऑक्सीकरणी प्रकाशसंश्लेषित चक्रण की संक्रिया के दौरान, अणु एक कोशिकांग से दुसरे में निम्न में से किस प्रकार गमन करते है?

- A. ग्लाइसीन, माइक्रोकॉन्ड्रिया में वहित होता है।
- B. ग्लाइकोलेट, परॉक्सीसोम में वहित होता है।
- C. सेरीन, परॉक्सीसोम में वहित होता है।
- D. ग्लिसरेट, क्लोरोप्लास्ट में वहित होता है।

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

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

Options :

- 68634051141. 1
- 68634051142. 2
- 68634051143. 3
- 68634051144. 4

Question Number : 87 Question Id : 68634012947 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: Sugars translocated in phloem are in non-reducing form.

Reason R: The non-reducing sugars are less reactive than reducing sugars.

In the light of the above statements, choose the *most appropriate* 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 not false but **R** is true

Options :

68634051145. 1
68634051146. 2
68634051147. 3
68634051148. 4

Question Number : 87 Question Id : 68634012947 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 (Reason R.)के रूप में

अभिकथन A: फ्लोएम में स्थानांतरित शर्करा असमानीत (अपचयित) रूप में होते हैं।

कारण R: असमानीत शर्करा, समानीत शर्करा की अपेक्षा कम अभिक्रियाशील होते हैं।

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

1. A और R दोनों सही हैं और R, A की सही व्याख्या है
2. A और R दोनों सही हैं और R, A की सही व्याख्या नहीं है
3. A सही है लेकिन R सही नहीं है
4. A सही नहीं है लेकिन R सही है

Options :

68634051145. 1
68634051146. 2
68634051147. 3
68634051148. 4

Question Number : 88 Question Id : 68634012948 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: Ruska developed first transmission Electron microscope (TEM) which has resolution 1000 times better than the light microscope.

Statement II: Transmission Electron microscope uses very advanced glass in their lenses.

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

Options :

- 68634051149. 1
- 68634051150. 2
- 68634051151. 3
- 68634051152. 4

Question Number : 88 Question Id : 68634012948 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: रूसका ने पहला ट्रॉंसमिशन इलेक्ट्रॉन माइक्रोस्कोप (TEM) विकसित किया जिसका वियोजन प्रकाशीय माइक्रोस्कोप से 1000 गुणा बेहतर है।

कथन II: ट्रॉंसमिशन इलेक्ट्रॉन माइक्रोस्कोप के लैसों में उन्नत शीशो का उपयोग किया जाता है।

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

1. कथन I और कथन II दोनों सही हैं
2. कथन I और कथन II दोनों सही नहीं हैं
3. कथन I सही हैं, लेकिन कथन II गलत हैं
4. कथन I गलत हैं, लेकिन कथन II सही हैं

Options :

- 68634051149. 1
- 68634051150. 2
- 68634051151. 3
- 68634051152. 4

Question Number : 89 Question Id : 68634012949 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

During biological nitrogen fixation, _____ ATPs are required to fix molecular nitrogen into ammonia.

1. Four
2. Eight
3. Thirty two
4. Sixteen

Options :

- 68634051153. 1
- 68634051154. 2
- 68634051155. 3
- 68634051156. 4

Question Number : 89 Question Id : 68634012949 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

जैविक नाइट्रोजन स्थिरीकरण के दौरान, आण्विक नाइट्रोजन को अमोनिया में स्थिर करने के लिए _____ ATPs की आवश्यकता होती है।

1. चार
2. आठ
3. बत्तीस
4. सोलह

Options :

- 68634051153. 1
- 68634051154. 2
- 68634051155. 3
- 68634051156. 4

Question Number : 90 Question Id : 68634012950 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 fatty acid synthesis is carried out in which part of the plant cell?

1. Cytosol
2. Plastids
3. Mitochondria
4. Lysosome

Options :

68634051157. 1
68634051158. 2
68634051159. 3
68634051160. 4

Question Number : 90 Question Id : 68634012950 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

पादप कोशिका के किस भाग में वसा-अम्ल का संश्लेषण होता है। संश्लेषण

1. साइटोसोल
2. प्लास्टिड
3. माइटोकॉन्ड्रिया
4. लाइसोसोम

Options :

68634051157. 1
68634051158. 2
68634051159. 3
68634051160. 4

Question Number : 91 Question Id : 68634012951 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: Pyrethrum compound is derived from several species of *Parthenium* which is widely used as an insecticidal preparation.

Statement II: Parthenium is a native plant of India grown in Northern Plains and has ecological importance.

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 :

68634051161. 1
68634051162. 2
68634051163. 3
68634051164. 4

Question Number : 91 Question Id : 68634012951 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: पार्थेनियम की विभिन्न स्पीशीज़ से पायरेथ्रम यौगिक प्राप्त किया जाता है जो कीटनाशी बनाने के लिए विस्तृत रूप से उपयोग में लाया जाता है।

कथन II: पार्थेनियम भारत का एक (प्राकृत) मूल पादप है जो उत्तरी मैदानों में उगाया जाता है तथा इसका परिस्थितिक महत्व है।

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

1. कथन I और कथन II दोनों सही हैं
2. कथन I और कथन II दोनों सही नहीं हैं
3. कथन I सही हैं, लेकिन कथन II गलत हैं
4. कथन I गलत हैं, लेकिन कथन II सही हैं

Options :

68634051161. 1
68634051162. 2
68634051163. 3
68634051164. 4

Question Number : 92 Question Id : 68634012952 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 Metabolic Cycles		LIST II Organellae(s) involved	
A.	Glyoxylate Cycle	I.	Chloroplast
B.	Citric acid cycle	II.	Glyoxysome
C.	Calvin Cycle	III.	Mitochondria, Chloroplast, Peroxisome
D.	C ₂ oxidative Photosynthesis cycle	IV.	Mitochondria

Choose the correct answer from the options given below:

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

Options :

68634051165. 1

68634051166. 2

68634051167. 3

68634051168. 4

Question Number : 92 Question Id : 68634012952 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 का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	ग्लाइऑक्सीलेट चक्र	I.	क्लोरोप्लास्ट
B.	सिट्रिक अम्ल चक्र	II.	ग्लाइऑक्सीसोम
C.	कैल्विन चक्र	III.	माइटोकॉन्ड्रिया, क्लोरोप्लास्ट पर ऑक्सीसोम
D.	C ₂ ऑक्सीकृत प्रकाशसंश्लेषित चक्र	IV.	माइटोकॉन्ड्रिया

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634051165. 1

68634051166. 2

68634051167. 3

68634051168. 4

Question Number : 93 Question Id : 68634012953 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

PCR involves the following steps. What is the correct sequence?

- A. Visualisation of amplified product
- B. PCR machine run
- C. DNA isolation
- D. Loading of PCR run
- E. PCR reaction setup in tube

Choose the correct answer from the options given below:

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

Options :

- 68634051169. 1
- 68634051170. 2
- 68634051171. 3
- 68634051172. 4

Question Number : 93 Question Id : 68634012953 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

पी सी आर में निम्नलिखित चरण होते हैं। इनका सही क्रम क्या है?

- A. विवधित उत्पाद का चाक्षुषीकरण
- B. पी सी आर मशीन रन (PCR machine)
- C. डी एन ए पृथक्करण
- D. पी सी आर रन की लोडिंग
- E. नलिका में पी सी आर अभिक्रिया ढाँचा स्थापन

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

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

Options :

- 68634051169. 1
- 68634051170. 2

68634051171. 3
68634051172. 4

Question Number : 94 Question Id : 68634012954 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

For fusion of protoplast this chemical is used as a fusogen:

1. Potassium Sulphate
2. Chloroform
3. Polyethylene Glycol (PEG)
4. Glycerol

Options :

68634051173. 1
68634051174. 2
68634051175. 3
68634051176. 4

Question Number : 94 Question Id : 68634012954 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

इस रसायन को प्रोटोप्लास्ट संगलन में एक संगलक के रूप में उपयोग किया जाता है?

1. पोटेशियम सल्फेट
2. क्लोरोफॉर्म
3. पोलिथाइलीन ग्लाइकोल(PEG)
4. ग्लिसरोल

Options :

68634051173. 1
68634051174. 2
68634051175. 3
68634051176. 4

Question Number : 95 Question Id : 68634012955 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

Mendel's first three postulates include:

- A. Linkage of genes
- B. Unit factors in pairs
- C. Dominance/Recessiveness
- D. Monohybrid cross
- E. Segregation

Choose the correct answer from the options given below:

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

Options :

- 68634051177. 1
- 68634051178. 2
- 68634051179. 3
- 68634051180. 4

Question Number : 95 Question Id : 68634012955 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

मेंडल की प्रथम तीन अभिधारणाओं में, निम्न में से कौन-कौन शामिल है?

जीन की सहलग्नता

- A. जोड़ी में एकांक कारक
- B. प्रभाविता/अप्रभाविता
- C. एकसंकर संकरण
- D. पृथक्करण

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

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

Options :

- 68634051177. 1
- 68634051178. 2
- 68634051179. 3
- 68634051180. 4

Question Number : 96 Question Id : 68634012956 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.	pBR322	I.	EC Cockings
B.	MS medium	II.	Kary Mullis
C.	PCR reaction	III.	Bolivar and Rodriguez
D.	Protoplast culture	IV.	Murashige and Skoog

Choose the correct answer from the options given below:

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

Options :

68634051181. 1
 68634051182. 2
 68634051183. 3
 68634051184. 4

Question Number : 96 Question Id : 68634012956 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 का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	pBR322	I.	ई.सी. कोकिंग्स
B.	MS मीडियम	II.	केरी म्यूलिस
C.	PCR अभिक्रिया	III.	बोलीवर और रोड्रिगेज़
D.	प्रोटोप्लास्ट संवर्धन	IV.	मुराशिगे और स्कोग

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634051181. 1
 68634051182. 2
 68634051183. 3
 68634051184. 4

Question Number : 97 Question Id : 68634012957 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: The orange colour of henna is due to lawsone ($C_{10}H_6O_3$) present in dried leaves of *Lawsonia* genus.

Reason R: Lawsone is an oil soluble compound which can be extracted from the leaves using soxhlet extraction.

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 :

- 68634051185. 1
- 68634051186. 2
- 68634051187. 3
- 68634051188. 4

Question Number : 97 Question Id : 68634012957 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 (Reason R.)के रूप में

अभिकथनA: मेहंदी का नारंगी रंग लॉसोनिया जीनस के सूखे पत्तों में पाए जाने वाले लॉसोन ($C_{10}H_6O_3$)के कारण होता है।

कारण R: लॉसोन एक तेल में घुलनशील यौगिक है जिसका सॉक्सलेट निष्कर्षण पत्तियों के उपयोग द्वारा किया जाता है।

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

1. A और R दोनों सही हैं और R, A की सही व्याख्या है
2. A और R दोनों सही हैं और R, A की सही व्याख्या नहीं है
3. A सही है लेकिन R सही नहीं है
4. A सही नहीं है लेकिन R सही है

Options :

- 68634051185. 1
- 68634051186. 2

68634051187. 3

68634051188. 4

Question Number : 98 Question Id : 68634012958 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.	$\oplus \overset{\curvearrowright}{Q} P_{(5)} A_5 G_{(2)}$	I.	Caryophyllaceae
B.	$\oplus \overset{\curvearrowright}{Q} \text{Epi} K_{5-7} K_{(5)} \overline{C_5 A_{(\alpha)}} G_{(5)}$	II.	Solanaceae
C.	$\oplus \overset{\curvearrowright}{Q} K_{(5)} \overline{C_{(5)}} A_5 G_{(2)}$	III.	Chenopodiaceae
D.	$\oplus \overset{\curvearrowright}{Q} K_5 C_5 \Lambda_{5+5} G_{(3)}$	IV.	Malvaceae

Choose the correct answer from the options given below:

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

Options :

68634051189. 1

68634051190. 2

68634051191. 3

68634051192. 4

Question Number : 98 Question Id : 68634012958 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 का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	$\oplus \overset{\curvearrowright}{\underset{\curvearrowleft}{Q}} P_{(5)} A_5 G_{(2)}$	I.	केरियोफिलेसी
B.	$\oplus \overset{\curvearrowright}{\underset{\curvearrowleft}{Q}} \text{Epi } K_{5-7} K_{(5)} \overline{C_5 A_{(a)} G_{(5)}}$	II.	सोलेनेसी
C.	$\oplus \overset{\curvearrowright}{\underset{\curvearrowleft}{Q}} K_{(5)} \overline{C_{(5)} A_5 G_{(2)}}$	III.	चीनोपोडियेसी
D.	$\oplus \overset{\curvearrowright}{\underset{\curvearrowleft}{Q}} K_5 C_5 \Lambda_{5+5} G_{(3)}$	IV.	मालवेसी

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634051189. 1
68634051190. 2
68634051191. 3
68634051192. 4

Question Number : 99 Question Id : 68634012959 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.	Labyrinth seeds	I.	<i>Ecbakium elaterium</i>
B.	Anenochory	II.	<i>Antennaria alpina</i>
C.	Autochory	III.	<i>Kingiodendron</i>
D.	Diplospory	IV.	<i>Oroxylum indicum</i>

Choose the correct answer from the options given below:

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

Options :

68634051193. 1
68634051194. 2
68634051195. 3

Question Number : 99 Question Id : 68634012959 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 का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	गहन भ्रमिक बीज	I.	एक्बेकियम इलेटेरियम
B.	वायु प्रकीर्णन	II.	एंटीनेरिया एल्पीना
C.	स्व प्रकीर्णन (ऑटोकोरी)	III.	किंगियोडेंडरोन
D.	द्विगुणित बीजाणुता	IV.	ओरोक्सिलम इंडिकम

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634051193. 1
68634051194. 2
68634051195. 3
68634051196. 4

Question Number : 100 Question Id : 68634012960 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 Cosmid is a specialised vector composed of cos sites of phage λ .

Reason R: cos sites enable the DNA to get packed in lambda (λ) particles.

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 :

68634051197. 1
68634051198. 2
68634051199. 3
68634051200. 4

Question Number : 100 Question Id : 68634012960 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 (Reason R.)के रूप में

अभिकथन A: कॉस्मिड एक ऐसा विशिष्ट कारक जो प्लाज़्मिड है λ भोजी के \cos स्थलों से बना होता है।

कारण R: \cos स्थल, डी एन ए को लैम्बडा (λ) कणों में बंध जाने के लिए शक्ति देता है।

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

1. A और R दोनों सही हैं और R, A की सही व्याख्या है
2. A और R दोनों सही हैं और R, A की सही व्याख्या नहीं है
3. A सही है लेकिन R सही नहीं है
4. A सही नहीं है लेकिन R सही है

Options :

68634051197. 1

68634051198. 2

68634051199. 3

68634051200. 4