

National Testing Agency

Question Paper Name :	Botany Eng 26th June 2023 Shift 3
Subject Name :	Botany Eng
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Duration :	120
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Botany

Group Number :	1
Group Id :	920906266
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 :	920906531
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 :	920906862
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Id : 92090626826 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

All over the world the wild fauna has been whittled down steadily and remorselessly, and many lovely and interesting animals have been so reduced in numbers that, without protection and help, they can never re-establish themselves. If they cannot find sanctuary where they can live and breed undisturbed, their numbers will dwindle until they join the dodo, the quagga, and the great auk on the long list of extinct creatures.

Of course, in the last decade or so, much has been done for the protection of wild life: sanctuaries and reserves have been started, and the reintroduction of species into areas where it had become extinct is taking place. In Canada, for instance, beavers are now being reintroduced into certain areas by means of aeroplane.

But although much is being done, there is still a very great deal to do. Unfortunately, the majority of useful work in animal preservation has been done mainly for animals which are of some economic importance to man and there are many obscure species of no economic importance which, although they are protected on paper, are in actual fact being allowed to die out because nobody, except a few interested zoologists, considers them important enough to spend money on.

As mankind increases year by year, and as he spreads farther over the globe burning and destroying, it is some small comfort to know that there are certain private individuals and some institutions who consider that the work of trying to save and give sanctuary to these harried animals is of some importance. It is important for many reasons, but perhaps the best of them is this: man for all his genius, cannot create a species, nor can he recreate one he has destroyed. So until we consider animal life to be worthy of the consideration and reverence we bestow upon old books and pictures and historic monuments, there will always be the animal refugee living precarious life on the edge of extermination, dependent for existence on the charity of a few human beings.

Read the passage and answer the following questions:

Sub questions

Question Number : 1 Question Id : 92090626827 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

What attitude towards wild life does the author think most appropriate?

- | | |
|---------------|----------|
| (1) reverence | (2) pity |
| (3) sympathy | (4) fear |

Options :

920906106001. 1
920906106002. 2
920906106003. 3
920906106004. 4

Question Number : 2 Question Id : 92090626828 Question Type : MCQ Option Shuffling : No 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 animal species has been saved from extinction?

- | | |
|----------|------------|
| (1) dodo | (2) quagga |
| (3) auk | (4) beaver |

Options :

920906106005. 1
920906106006. 2
920906106007. 3
920906106008. 4

Question Number : 3 Question Id : 92090626829 Question Type : MCQ Option Shuffling : No 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 would prove most effective in preserving wild life?

- | | |
|-----------------|--|
| (1) Sanctuaries | (2) Law against destruction of wild life |
| (3) More Zoos | (4) Allocation of more funds |

Options :

920906106009. 1
920906106010. 2
920906106011. 3
920906106012. 4

Question Number : 4 Question Id : 92090626830 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Animals species should be preserved mainly because:

- (1) they are lovely creatures.
- (2) they are killed by cruel people.
- (3) zoologist want to study them.
- (4) man cannot recreate a species of animals if it be destroyed.

Options :

- 920906106013. 1
- 920906106014. 2
- 920906106015. 3
- 920906106016. 4

Question Number : 5 Question Id : 92090626831 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Certain species of wild life is about to become extinct mainly because:

- (1) they are killed by people callously.
- (2) sanctuaries are not maintained properly.
- (3) people are ignorant.
- (4) they cannot find a sanctuary where they can live and breed undisturbed.

Options :

- 920906106017. 1
- 920906106018. 2
- 920906106019. 3
- 920906106020. 4

Question Id : 92090626826 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

All over the world the wild fauna has been whittled down steadily and remorselessly, and many lovely and interesting animals have been so reduced in numbers that, without protection and help, they can never re-establish themselves. If they cannot find sanctuary where they can live and breed undisturbed, their numbers will dwindle until they join the dodo, the quagga, and the great auk on the long list of extinct creatures.

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But although much is being done, there is still a very great deal to do. Unfortunately, the majority of useful work in animal preservation has been done mainly for animals which are of some economic importance to man and there are many obscure species of no economic importance which, although they are protected on paper, are in actual fact being allowed to die out because nobody, except a few interested zoologists, considers them important enough to spend money on.

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Read the passage and answer the following questions:

Sub questions

Question Number : 1 Question Id : 92090626827 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

What attitude towards wild life does the author think most appropriate?

- | | |
|---------------|----------|
| (1) reverence | (2) pity |
| (3) sympathy | (4) fear |

Options :

- 920906106001. 1
- 920906106002. 2
- 920906106003. 3
- 920906106004. 4

Question Number : 2 Question Id : 92090626828 Question Type : MCQ Option Shuffling : No 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 animal species has been saved from extinction?

- | | |
|----------|------------|
| (1) dodo | (2) quagga |
| (3) auk | (4) beaver |

Options :

- 920906106005. 1
- 920906106006. 2
- 920906106007. 3
- 920906106008. 4

Question Number : 3 Question Id : 92090626829 Question Type : MCQ Option Shuffling : No 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 would prove most effective in preserving wild life?

- | | |
|-----------------|--|
| (1) Sanctuaries | (2) Law against destruction of wild life |
| (3) More Zoos | (4) Allocation of more funds |

Options :

- 920906106009. 1
- 920906106010. 2
- 920906106011. 3
- 920906106012. 4

Question Number : 4 Question Id : 92090626830 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Animals species should be preserved mainly because:

- (1) they are lovely creatures.
- (2) they are killed by cruel people.
- (3) zoologist want to study them.
- (4) man cannot recreate a species of animals if it be destroyed.

Options :

- 920906106013. 1

920906106014. 2

920906106015. 3

920906106016. 4

Question Number : 5 Question Id : 92090626831 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Certain species of wild life is about to become extinct mainly because:

- (1) they are killed by people callously.
- (2) sanctuaries are not maintained properly.
- (3) people are ignorant.
- (4) they cannot find a sanctuary where they can live and breed undisturbed.

Options :

920906106017. 1

920906106018. 2

920906106019. 3

920906106020. 4

Sub-Section Number :

2

Sub-Section Id :

920906863

Question Shuffling Allowed :

Yes

Is Section Default? :

null

Question Number : 6 Question Id : 92090626832 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify the correct proposition from the options given to make a meaningful sentence.

The boys equally divided the chocolates_____ themselves.

- (1) between
- (2) among
- (3) with
- (4) by

Options :

920906106021. 1

920906106022. 2

920906106023. 3

920906106024. 4

Question Number : 6 Question Id : 92090626832 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify the correct proposition from the options given to make a meaningful sentence.

The boys equally divided the chocolates_____ themselves.

- (1) between
- (2) among
- (3) with
- (4) by

Options :

920906106021. 1

920906106022. 2

920906106023. 3

920906106024. 4

Question Number : 7 Question Id : 92090626833 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify the correct form from verb to make a meaningful sentence.

Neither of the contestants _____ to win.

- (1) is able
- (2) was able
- (3) were able
- (4) has able

Options :

920906106025. 1

920906106026. 2

920906106027. 3

920906106028. 4

Question Number : 7 Question Id : 92090626833 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify the correct form from verb to make a meaningful sentence.

Neither of the contestants _____ to win.

- (1) is able
- (2) was able
- (3) were able
- (4) has able

Options :

- 920906106025. 1
- 920906106026. 2
- 920906106027. 3
- 920906106028. 4

Question Number : 8 Question Id : 92090626834 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Pick out the correctly spelt word:

- (1) emberrass
- (2) embarress
- (3) embarass
- (4) embarrors

Options :

- 920906106029. 1
- 920906106030. 2
- 920906106031. 3
- 920906106032. 4

Question Number : 8 Question Id : 92090626834 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Pick out the correctly spelt word:

- (1) emberrass
- (2) embarress
- (3) embarass
- (4) embarrors

Options :

- 920906106029. 1
- 920906106030. 2
- 920906106031. 3
- 920906106032. 4

Question Number : 9 Question Id : 92090626835 Question Type : MCQ Option Shuffling : No 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 meaning of the underlined idiom from the options given :-

Sunita is an apple of her father's eye

- | | |
|--------------------|---------------|
| (1) lovable | (2) talkative |
| (3) uncontrollable | (4) hated |

Options :

- 920906106033. 1
- 920906106034. 2
- 920906106035. 3
- 920906106036. 4

Question Number : 9 Question Id : 92090626835 Question Type : MCQ Option Shuffling : No 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 meaning of the underlined idiom from the options given :-

Sunita is an apple of her father's eye

- | | |
|--------------------|---------------|
| (1) lovable | (2) talkative |
| (3) uncontrollable | (4) hated |

Options :

- 920906106033. 1
- 920906106034. 2
- 920906106035. 3
- 920906106036. 4

Question Number : 10 Question Id : 92090626836 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify the correct form of indirect speech of the following sentence.

He said, "I have been reading since morning."

- (1) He said that he had been reading since morning.
- (2) He said that he has been reading since morning.
- (3) He said that he is reading since morning.
- (4) He said that he was reading since morning.

Options :

- 920906106037. 1
- 920906106038. 2
- 920906106039. 3
- 920906106040. 4

Question Number : 10 Question Id : 92090626836 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify the correct form of indirect speech of the following sentence.

He said, "I have been reading since morning."

- (1) He said that he had been reading since morning.
- (2) He said that he has been reading since morning.
- (3) He said that he is reading since morning.
- (4) He said that he was reading since morning.

Options :

- 920906106037. 1
- 920906106038. 2
- 920906106039. 3
- 920906106040. 4

Question Number : 11 Question Id : 92090626837 Question Type : MCQ Option Shuffling : No 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 triangle can have:

- | | |
|----------------------|--|
| (1) all acute angles | (2) two obtuse angles |
| (3) two right angles | (4) one obtuse angle and one right angle |

Options :

- 920906106041. 1
- 920906106042. 2
- 920906106043. 3
- 920906106044. 4

Question Number : 11 Question Id : 92090626837 Question Type : MCQ Option Shuffling : No 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 triangle can have:

- (1) all acute angles
- (2) two obtuse angles
- (3) two right angles
- (4) one obtuse angle and one right angle

Options :

- 920906106041. 1
- 920906106042. 2
- 920906106043. 3
- 920906106044. 4

Question Number : 12 Question Id : 92090626838 Question Type : MCQ Option Shuffling : No 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 the mean of 18, 19, x, 25 and 26 is 21, then find the mean of 5, 11, 13, 19 and $(3x-1)$:

- (1) 21
- (2) 20.6
- (3) 19.6
- (4) 18.8

Options :

- 920906106045. 1
- 920906106046. 2
- 920906106047. 3
- 920906106048. 4

Question Number : 12 Question Id : 92090626838 Question Type : MCQ Option Shuffling : No 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 the mean of 18, 19, x, 25 and 26 is 21, then find the mean of 5, 11, 13, 19 and $(3x-1)$:

- (1) 21 (2) 20.6
(3) 19.6 (4) 18.8

Options :

920906106045. 1
920906106046. 2
920906106047. 3
920906106048. 4

Question Number : 13 Question Id : 92090626839 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Find a single discount equivalent to successive discounts of 10%, 20% and 25%:

- (1) 55% (2) 54%
(3) 46% (4) 52%

Options :

920906106049. 1
920906106050. 2
920906106051. 3
920906106052. 4

Question Number : 13 Question Id : 92090626839 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Find a single discount equivalent to successive discounts of 10%, 20% and 25%:

- (1) 55% (2) 54%
(3) 46% (4) 52%

Options :

920906106049. 1
920906106050. 2
920906106051. 3
920906106052. 4

Question Number : 14 Question Id : 92090626840 Question Type : MCQ Option Shuffling : No 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 man is walking at a speed of 6 km/h. After every km he takes rest for 6 minutes. How much time will he take to cover a distance of 24 km.

- (1) 6 h 24 min (2) 6 h 18 min
(3) 5 h 18 min (4) 4 h 24 min

Options :

920906106053. 1
920906106054. 2
920906106055. 3
920906106056. 4

Question Number : 14 Question Id : 92090626840 Question Type : MCQ Option Shuffling : No 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 man is walking at a speed of 6 km/h. After every km he takes rest for 6 minutes. How much time will he take to cover a distance of 24 km.

- (1) 6 h 24 min (2) 6 h 18 min
(3) 5 h 18 min (4) 4 h 24 min

Options :

920906106053. 1
920906106054. 2
920906106055. 3
920906106056. 4

Question Number : 15 Question Id : 92090626841 Question Type : MCQ Option Shuffling : No 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 $\frac{\sin \theta + \cos \theta}{\sin \theta - \cos \theta} = \frac{17}{7}$, then find the value of $(\sin^4 \theta - \cos^4 \theta)$:

- (1) 119 (2) $\frac{12}{5}$
(3) $\frac{119}{169}$ (4) $\frac{2}{3}$

Options :

920906106057. 1
920906106058. 2
920906106059. 3
920906106060. 4

Question Number : 15 Question Id : 92090626841 Question Type : MCQ Option Shuffling : No 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 $\frac{\sin \theta + \cos \theta}{\sin \theta - \cos \theta} = \frac{17}{7}$, then find the value of $(\sin^4 \theta - \cos^4 \theta)$:

- (1) 119 (2) $\frac{12}{5}$
(3) $\frac{119}{169}$ (4) $\frac{2}{3}$

Options :

920906106057. 1
920906106058. 2
920906106059. 3
920906106060. 4

Question Number : 16 Question Id : 92090626842 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify which of the given conclusions follows from the given statements:

Statement I : No perfume is a fragrance.

Some perfumes are deodorants.

All deodorants are cologne.

Statement II : I. At least some perfumes are colognes.

II. No fragrance is deodorant.

- (1) only conclusion I is true
(2) only conclusion II is true
(3) Both conclusion I and II are true
(4) Neither conclusion I nor II is true

Options :

- 920906106061. 1
- 920906106062. 2
- 920906106063. 3
- 920906106064. 4

Question Number : 16 Question Id : 92090626842 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify which of the given conclusions follows from the given statements:

Statement I : No perfume is a fragrance.

Some perfumes are deodorants.

All deodorants are cologne.

Statement II : I. At least some perfumes are colognes.

II. No fragrance is deodorant.

- (1) only conclusion I is true
- (2) only conclusion II is true
- (3) Both conclusion I and II are true
- (4) Neither conclusion I nor II is true

Options :

- 920906106061. 1
- 920906106062. 2
- 920906106063. 3
- 920906106064. 4

Question Number : 17 Question Id : 92090626843 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Read the following information carefully and answer the question given below:

A is the son of B. C, B's Sister, has a son D and a daughter E. F is the maternal uncle of D. How is E related to F?

- (1) Sister
- (2) Niece
- (3) Daughter
- (4) Wife

Options :

- 920906106065. 1

920906106066. 2

920906106067. 3

920906106068. 4

Question Number : 17 Question Id : 92090626843 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Read the following information carefully and answer the question given below:

A is the son of B. C, B's Sister, has a son D and a daughter E. F is the maternal uncle of D. How is E related to F?

- | | |
|--------------|-----------|
| (1) Sister | (2) Niece |
| (3) Daughter | (4) Wife |

Options :

920906106065. 1

920906106066. 2

920906106067. 3

920906106068. 4

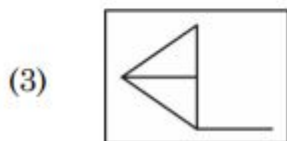
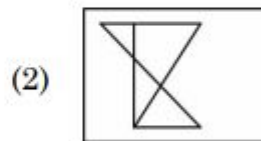
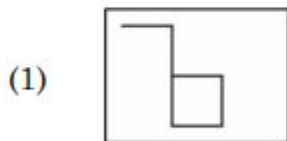
Question Number : 18 Question Id : 92090626844 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Figure (x) is embedded in which one of the four alternatives:



Figure (x)



Options :

920906106069. 1

920906106070. 2

920906106071. 3

920906106072. 4

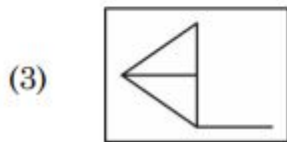
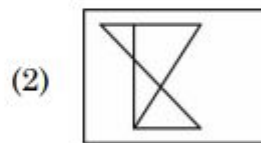
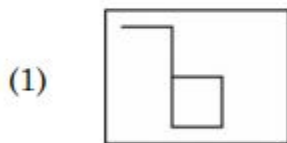
Question Number : 18 Question Id : 92090626844 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Figure (x) is embedded in which one of the four alternatives:



Figure (x)



Options :

920906106069. 1

920906106070. 2

920906106071. 3

920906106072. 4

Question Number : 19 Question Id : 92090626845 Question Type : MCQ Option Shuffling : No 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 group of letters which is different from others :

POCG, BUDX, ATRG, ZIKL, FQMV

(1) POCG

(2) BUDX

(3) FQMV

(4) ZIKL

Options :

920906106073. 1

920906106074. 2

920906106075. 3

920906106076. 4

Question Number : 19 Question Id : 92090626845 Question Type : MCQ Option Shuffling : No 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 group of letters which is different from others :

POCG, BUDX, ATRG, ZIKL, FQMV

- | | |
|----------|----------|
| (1) POCG | (2) BUDX |
| (3) FQMV | (4) ZIKL |

Options :

920906106073. 1

920906106074. 2

920906106075. 3

920906106076. 4

Question Number : 20 Question Id : 92090626846 Question Type : MCQ Option Shuffling : No 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 most appropriate description about these three words.

Sand stone : Limestone : Coal

- (1) They are formed by metamorphic rocks
- (2) They are chemical minerals
- (3) They are found in river beds
- (4) They are formed sedimentary rocks

Options :

920906106077. 1

920906106078. 2

920906106079. 3

920906106080. 4

Question Number : 20 Question Id : 92090626846 Question Type : MCQ Option Shuffling : No 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 most appropriate description about these three words.

Sand stone : Limestone : Coal

- (1) They are formed by metamorphic rocks
- (2) They are chemical minerals
- (3) They are found in river beds
- (4) They are formed sedimentary rocks

Options :

- 920906106077. 1
- 920906106078. 2
- 920906106079. 3
- 920906106080. 4

Question Number : 21 Question Id : 92090626847 Question Type : MCQ Option Shuffling : No 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 international Court of Justice was established in the year:

- | | |
|----------|----------|
| (1) 1946 | (2) 1948 |
| (3) 1950 | (4) 1947 |

Options :

- 920906106081. 1
- 920906106082. 2
- 920906106083. 3
- 920906106084. 4

Question Number : 21 Question Id : 92090626847 Question Type : MCQ Option Shuffling : No 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 international Court of Justice was established in the year:

- | | |
|----------|----------|
| (1) 1946 | (2) 1948 |
| (3) 1950 | (4) 1947 |

Options :

- 920906106081. 1
- 920906106082. 2
- 920906106083. 3
- 920906106084. 4

**Question Number : 22 Question Id : 92090626848 Question Type : MCQ Option Shuffling : No 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 (Country)	List II (Emblem)
(A) Australia	(I) Lionel Capital
(B) United States of America	(II) Kangaroo
(C) India	(III) Golden rod
(D) United Kingdom	(IV) Rose

Choose the correct answer from the options given below:

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

Options :

920906106085. 1

920906106086. 2

920906106087. 3

920906106088. 4

**Question Number : 22 Question Id : 92090626848 Question Type : MCQ Option Shuffling : No 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 (Country)	List II (Emblem)
(A) Australia	(I) Lionel Capital
(B) United States of America	(II) Kangaroo
(C) India	(III) Golden rod
(D) United Kingdom	(IV) Rose

Choose the correct answer from the options given below:

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

Options :

920906106085. 1
920906106086. 2
920906106087. 3
920906106088. 4

Question Number : 23 Question Id : 92090626849 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

National Development Council was constituted on _____.

- | | |
|---------------------|---------------------|
| (1) August 16, 1950 | (2) April 01, 1951 |
| (3) August 06, 1952 | (4) August 16, 1952 |

Options :

920906106089. 1
920906106090. 2
920906106091. 3
920906106092. 4

Question Number : 23 Question Id : 92090626849 Question Type : MCQ Option Shuffling : No 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) : Marathas emerged as the strongest native power in India after the decline of Mughal

Reasons (R) : Maratha were the first to have a clear concept of United Nation.

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 :

- 920906106093. 1
- 920906106094. 2
- 920906106095. 3
- 920906106096. 4

Question Number : 25 Question Id : 92090626851 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Deepika Kumari is associated with which of the following sports?

- | | |
|---------------|----------------|
| (1) Archery | (2) Gymnastics |
| (3) Badminton | (4) Athletics |

Options :

- 920906106097. 1
- 920906106098. 2
- 920906106099. 3
- 920906106100. 4

Question Number : 25 Question Id : 92090626851 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Deepika Kumari is associated with which of the following sports?

- (1) Archery (2) Gymnastics
(3) Badminton (4) Athletics

Options :

920906106097. 1
920906106098. 2
920906106099. 3
920906106100. 4

Part B: Botany

Section Id :	920906532
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 :	920906864
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 26 Question Id : 92090626852 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

False branching of thallus is observed in

- (1) *Rivularia* (2) *Scytonema*
(3) *Oedogonium* (4) *Volvox*

Options :

920906106101. 1
920906106102. 2
920906106103. 3
920906106104. 4

Question Number : 26 Question Id : 92090626852 Question Type : MCQ Option Shuffling : No 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 किसमें थैलस की आभासी शाखाएँ पायी जाती है?

- | | |
|----------------|---------------|
| (1) रिबुलेरिया | (2) साइटोनीमा |
| (3) ईडोगोनियम | (4) वॉल्वॉक्स |

Options :

- 920906106101. 1
- 920906106102. 2
- 920906106103. 3
- 920906106104. 4

Question Number : 27 Question Id : 92090626853 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Heterocyst a thick-walled, pale-yellow, barrel-shaped structure found in blue-green algae, helps in

- | | |
|------------------------------|-----------------------------|
| (1) Defence | (2) N ₂ fixation |
| (3) CO ₂ fixation | (4) Sulfur metabolism |

Options :

- 920906106105. 1
- 920906106106. 2
- 920906106107. 3
- 920906106108. 4

Question Number : 27 Question Id : 92090626853 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

नील हरित शैवाल में पाई जाने वाली मोटी भित्ति वाली, हल्के पीले रंग की, बेलनाकार संरचनाएँ 'हेटेरोसिस्ट', निम्न में से किसमें सहायता करती हैं?

- | | |
|-------------------------------|-------------------------|
| (1) रक्षा | (2) नाइट्रोजन स्थिरीकरण |
| (3) CO ₂ स्थिरीकरण | (4) सल्फर उपापचय |

Options :

- 920906106105. 1
- 920906106106. 2

920906106107. 3

920906106108. 4

Question Number : 28 Question Id : 92090626854 Question Type : MCQ Option Shuffling : No 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 influenza virus carry functional surface projections called spike which contains unique enzyme known as

- | | |
|--------------------|--------------------|
| (1) RNA polymerase | (2) DNA polymerase |
| (3) Neuraminidase | (4) Hexokinase |

Options :

920906106109. 1

920906106110. 2

920906106111. 3

920906106112. 4

Question Number : 28 Question Id : 92090626854 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

इन्फ्लूएन्ज़ा विषाणु में 'स्पाइक' कहलाए जाने वाले कार्यात्मक, सतही प्रक्षेपणों में पाए जाने वाले अद्वितीय एन्ज़ाइम को निम्न में से क्या कहा जाता है?

- | | |
|------------------------|-----------------------|
| (1) आर.एन.ए. पोलीमरेज़ | (2) डी.एन.ए पोलीमरेज़ |
| (3) न्यूरामिनीडेज | (4) हैक्सोकाइनेस |

Options :

920906106109. 1

920906106110. 2

920906106111. 3

920906106112. 4

Question Number : 29 Question Id : 92090626855 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Transformation, a phenomenon responsible for recombination in microbes was discovered by

- (1) F. Griffith (2) J. Lederberg
(3) E. Tatum (4) W. Hayes

Options :

920906106113. 1
920906106114. 2
920906106115. 3
920906106116. 4

Question Number : 29 Question Id : 92090626855 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

‘रूपांतरण’ एक ऐसी परिघटना है जो सूक्ष्मजीवों के पुनर्संयोजन के लिए उत्तरदायी है, इसके खोजकर्ता हैं?

- (1) एफ. ग्रिफिथ (2) जे. लेडरबर्ग
(3) ई. टेडम (4) डब्ल्यू. हेयस

Options :

920906106113. 1
920906106114. 2
920906106115. 3
920906106116. 4

Question Number : 30 Question Id : 92090626856 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Rhodophyceae possesses the following unique characteristics

- (A) The septa between the adjacent cells have ‘pit connections’
(B) The flagellated motile stages are totally absent
(C) Red algae exhibit low degree of epiphytism and parasitism
(D) They contain water soluble phycocyanin pigment
(E) The accumulated photosynthetic product is floridean starch

Choose the most appropriate answer from the options given below :

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

Options :

- 920906106117. 1
- 920906106118. 2
- 920906106119. 3
- 920906106120. 4

Question Number : 30 Question Id : 92090626856 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

रोडोफाइसी में निम्नलिखित अद्वितीय विशेषताएँ पाई जाती हैं?

- (A) आसन्न कोशिकाओं के बीच पाए जाने वाले पट में गर्त संबंधन पाया जाता है।
- (B) कशाभी गतिशील अवस्थाएँ पूर्णतया अनुपस्थित होती हैं।
- (C) लाल शैवाल निम्न श्रेणी की अधिपादपता एवं परजीविता प्रदर्शित करते हैं।
- (D) इनमें जल में घुलनशील फाइकोसायनिन वर्णक होता है।
- (E) एकत्रित प्रकाश संश्लेषित उत्पाद फ्लोरिडीन स्टार्च है।

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

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

Options :

- 920906106117. 1
- 920906106118. 2
- 920906106119. 3
- 920906106120. 4

Question Number : 31 Question Id : 92090626857 Question Type : MCQ Option Shuffling : No 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
Fruiting body	Sub-division/order
(A) Cleistothecium	(I) Hemiascomycetes
(B) Asci (naked)	(II) Erysiphales
(C) Apothecium	(III) Pyrenomycetes
(D) Perithecium	(IV) Discomycetes

Choose the correct answer from the options given below:

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

Options :

- 920906106121. 1
- 920906106122. 2
- 920906106123. 3
- 920906106124. 4

Question Number : 31 Question Id : 92090626857 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I के साथ सूची II का मिलान कीजिए।

सूची I	सूची II
फलकाय	प्रविभाजन/क्रम
(A) क्लीस्टोथीशियम	(I) हैमीएस्कोमाइसिटीस
(B) नमन ऐसाई	(II) एरीसाईफेल्स
(C) एपोथीशियम	(III) पायरीनोमाइसिटीस
(D) पैरीथीशियम	(IV) डिस्कोमाइसिटीस

दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

920906106121. 1
920906106122. 2
920906106123. 3
920906106124. 4

Question Number : 32 Question Id : 92090626858 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

DNA is synthesized in the cell by

- (1) *Taq* polymerase
- (2) DNA polymerase
- (3) Topoisomerase
- (4) RNAase

Options :

920906106125. 1
920906106126. 2
920906106127. 3
920906106128. 4

Question Number : 32 Question Id : 92090626858 Question Type : MCQ Option Shuffling : No 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 किसके द्वारा कोशिका में डी एन ए संश्लेषित होता है ?

- | | |
|-------------------|-----------------------|
| (1) टैक पॉलीमरेज़ | (2) डी एन ए पॉलीमरेज़ |
| (3) टोपोआइसोमरेज़ | (4) आरएनएज़ |

Options :

920906106125. 1
920906106126. 2
920906106127. 3
920906106128. 4

Question Number : 33 Question Id : 92090626859 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Glycyrrhiza glabra is used in the treatment of

- | | |
|---------------|----------------|
| (1) Cough | (2) Insomnia |
| (3) Diarrhoea | (4) Rhemuatism |

Options :

920906106129. 1
920906106130. 2
920906106131. 3
920906106132. 4

Question Number : 33 Question Id : 92090626859 Question Type : MCQ Option Shuffling : No 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 किसके द्वारा कोशिका में डी एन ए संश्लेषित होता है ?

- | | |
|-------------------|-----------------------|
| (1) टैक पॉलीमरेज़ | (2) डी एन ए पॉलीमरेज़ |
| (3) टोपोआइसोमरेज़ | (4) आरएनएज़ |

Options :

920906106129. 1
920906106130. 2
920906106131. 3
920906106132. 4

Question Number : 34 Question Id : 92090626860 Question Type : MCQ Option Shuffling : No 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 most acidic from the mentioned material?

- | | |
|------------------|------------------|
| (1) Tomato Juice | (2) Blood plasma |
| (3) Egg white | (4) Fresh milk |

Options :

920906106133. 1

920906106134. 2

920906106135. 3

920906106136. 4

Question Number : 34 Question Id : 92090626860 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

दिए गए पदार्थों में से कौन सर्वाधिक अम्लीय है ?

- | | |
|-----------------|-------------------|
| (1) टमाटर का रस | (2) रक्त प्लाज्मा |
| (3) अंड श्वेत | (4) ताज़ा दूध |

Options :

920906106133. 1

920906106134. 2

920906106135. 3

920906106136. 4

Question Number : 35 Question Id : 92090626861 Question Type : MCQ Option Shuffling : No 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 time interval between the formation of successive leaf primordia is termed as:

- | | |
|----------------------|-----------------|
| (1) Apical dominance | (2) Plastochron |
| (3) Phyllotaxy | (4) Parastichy |

Options :

920906106137. 1

920906106138. 2

920906106139. 3

920906106140. 4

Question Number : 35 Question Id : 92090626861 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

क्रमिक पर्ण आद्यक (प्राइमोर्डिया) के बनने में समय अन्तराल कहलाता है:

- | | |
|---------------------|------------------------------|
| (1) शीर्ष प्रभाविता | (2) प्लास्टोक्रॉन (घटनांतरल) |
| (3) पर्णविन्यास | (4) इतरपंक्ति |

Options :

920906106137. 1

920906106138. 2

920906106139. 3

920906106140. 4

Question Number : 36 Question Id : 92090626862 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Glyphosate resembles phosphoenol pyruvate and inhibits the enzyme EPSP synthetase which synthesises _____.

- | | |
|---------------------------|--------------------------|
| (1) aliphatic amino acids | (2) aromatic amino acids |
| (3) basic amino acids | (4) acidic amino acids |

Options :

920906106141. 1

920906106142. 2

920906106143. 3

920906106144. 4

Question Number : 36 Question Id : 92090626862 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ग्लाइफोसेट, फॉस्फोइनोल पायरुवेट के सदृश हैं तथा EPSP सिंथेटेज़ नामक एन्ज़ाइम को अवरोधित करता है जो _____ का संश्लेषण करता है:

- | | |
|-------------------------|-------------------------|
| (1) ऐलीफैटिक अमीनो अम्ल | (2) ऐरोमैटिक अमीनो अम्ल |
| (3) क्षारीय अमीनो अम्ल | (4) अम्लीय अमीनो अम्ल |

Options :

920906106141. 1

920906106142. 2

920906106143. 3

920906106144. 4

Question Number : 37 Question Id : 92090626863 Question Type : MCQ Option Shuffling : No 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) : Cotton and linen textiles have long durability due to cellulose's side-by-side aggregates which form molecular cables.

Reasons (R) : Durability of cellulose is due to α -(1-6) glycosidic bonds.

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 :

920906106145. 1

920906106146. 2

920906106147. 3

920906106148. 4

Question Number : 37 Question Id : 92090626863 Question Type : MCQ Option Shuffling : No 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) : कपास तथा लिनन के वस्त्रों का स्थायित्व लंबे समय तक रहता है जिसका कारण सैल्यूलोज़ का साथ-साथ पुंजन है जो कि अणु केबल बनाते हैं।

कारण (R) : सैल्यूलोज़ का टिकाऊपन α -(1-6) ग्लाइकोसिडिक बंधन के कारण 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, लेकिन (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 :

920906106145. 1
920906106146. 2
920906106147. 3
920906106148. 4

Question Number : 38 Question Id : 92090626864 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Ergotism, which is characterized by gangrene, nervous spasm, burning sensation, hallucinations and temporary 'insanity' is caused by

- | | |
|-------------------------------|--------------------------------|
| (1) <i>Claviceps purpurea</i> | (2) <i>Phytophthora</i> |
| (3) <i>Pilobolus</i> | (4) <i>Rhizopus stolonifer</i> |

Options :

920906106149. 1
920906106150. 2
920906106151. 3
920906106152. 4

Question Number : 38 Question Id : 92090626864 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

अर्गट रोग, जिसके अभिलक्षण गैंगरीन, स्नायुसंबंधी ऐंठन, जलन, विभ्रम तथा अस्थायी पागलपन हैं _____ के कारण उत्पन्न होता है।

- | | |
|---------------------------|--------------------------|
| (1) क्लैवीसैप्स पुरपुरीया | (2) फाइटोफथोरा |
| (3) पाइलोबोलस | (4) राइज़ोपस स्टोलोनिफ़र |

Options :

- 920906106149. 1
- 920906106150. 2
- 920906106151. 3
- 920906106152. 4

Question Number : 39 Question Id : 92090626865 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Morchella esculenta, often found growing under trees in orchards, with an edible ascocarp, belongs to the class _____.

- | | |
|-----------------|--------------------|
| (1) Zygomycetes | (2) Basidiomycetes |
| (3) Ascomycetes | (4) Deuteromycetes |

Options :

- 920906106153. 1
- 920906106154. 2
- 920906106155. 3
- 920906106156. 4

Question Number : 39 Question Id : 92090626865 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

मॉर्शेला एस्क्यूलेटा जो अक्सर ही फलवाटिकाओं में पेड़ों के नीचे पाया जाता है, जिनकी एस्कोकार्प भोज्य है, निम्न में से किस वर्ग से संबंधित है?

- | | |
|---------------------|-----------------------|
| (1) ज़ायगोमाइसिटीज़ | (2) बेसीडियोमाइसिटीज़ |
| (3) एस्कोमाइसिटीज़ | (4) ड्यूटेरोमाइसिटीज़ |

Options :

- 920906106153. 1
- 920906106154. 2
- 920906106155. 3
- 920906106156. 4

Question Number : 40 Question Id : 92090626866 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Many fungi have no known sexual stages in their life-cycle. Mycologists have traditionally grouped such fungi into

- | | |
|--------------------|--------------------|
| (1) Ascomycetes | (2) Basidiomycetes |
| (3) Deuteromycetes | (4) Zygomycetes |

Options :

- 920906106157. 1
- 920906106158. 2
- 920906106159. 3
- 920906106160. 4

Question Number : 40 Question Id : 92090626866 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

बहुत से कवकों के जीवन चक्र में लैंगिक अवस्थाएँ ज्ञात नहीं हैं। कवक-विज्ञानियों ने ऐसे कवकों का पारम्परिक रूप से निम्न प्रकार से समूहन किया है।

- | | |
|-----------------------|-----------------------|
| (1) ऐस्कोमाइसिटीज़ | (2) बेसीडियोमाइसिटीज़ |
| (3) ड्यूटेरोमाइसिटीज़ | (4) ज़ाइगोमाइसिटीज़ |

Options :

- 920906106157. 1
- 920906106158. 2
- 920906106159. 3
- 920906106160. 4

Question Number : 41 Question Id : 92090626867 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

'Covered smuts' disease in Barley is caused by

- | | |
|---------------------------------|------------------------------|
| (1) <i>Ustilago nuda</i> | (2) <i>Ustilago kollerii</i> |
| (3) <i>Ustilago scitamineae</i> | (4) <i>Ustilago hordei</i> |

Options :

- 920906106161. 1
- 920906106162. 2

920906106163. 3

920906106164. 4

Question Number : 41 Question Id : 92090626867 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

जौ में 'आवृत कंड' रोग का कारण है:

- | | |
|-------------------------|-------------------------|
| (1) ऑस्टिलैगो न्यूडा | (2) ऑस्टिलैगो कोलेरी |
| (3) ऑस्टिलैगो साइटेमिनी | (4) ऑस्टिलैगो हार्डिचाई |

Options :

920906106161. 1

920906106162. 2

920906106163. 3

920906106164. 4

Question Number : 42 Question Id : 92090626868 Question Type : MCQ Option Shuffling : No 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 advanced characters exhibited by the members of basidiomycotina include:

- (A) No specialized sex organ are formed
- (B) Several types of spore in the life-cycle
- (C) Spores are endogenous in nature
- (D) Formation of dikaryotic cells by clamp connection
- (E) Presence of dolipore septa

Choose the most appropriate answer from the options given below :

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

Options :

920906106165. 1

920906106166. 2

920906106167. 3

920906106168. 4

Question Number : 42 Question Id : 92090626868 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

बेसीडियोमाइकोटिना जो अग्रिम लक्षण प्रदर्शित करता है, वे हैं।

- (A) कोई भी विशिष्ट लैंगिक अंग नहीं बनते।
- (B) जीवन चक्र में कई प्रकार के बीजाणु होते हैं।
- (C) बीजाणुओं की प्रकृति अंतर्जात होती है।
- (D) क्लैप-बंधन द्वारा द्विकेन्द्रकी कोशिका बनती है।
- (E) इनमें ढोलीछिद्री पट होते हैं।

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

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

Options :

- 920906106165. 1
- 920906106166. 2
- 920906106167. 3
- 920906106168. 4

Question Number : 43 Question Id : 92090626869 Question Type : MCQ Option Shuffling : No 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) : *Gnetum* is closer to angiosperms than gymnosperms.

Reasons (R) : There is complete elimination of archegonia in the female gametophyte of *Gnetum*.

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 not false
- (4) (A) is false but (R) is true

Options :

- 920906106169. 1
- 920906106170. 2
- 920906106171. 3
- 920906106172. 4

Question Number : 43 Question Id : 92090626869 Question Type : MCQ Option Shuffling : No 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) : नेटम, अन्य अनावृतबीजियों की अपेक्षा आवृतबीजियों से अधिक घनिष्ठ है।

तर्क (R) : नेटम के मादा युग्मकोद्भिद में स्त्रीधानी पूरी तरह से विलोपित होता है।

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

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

Options :

920906106169. 1

920906106170. 2

920906106171. 3

920906106172. 4

Question Number : 44 Question Id : 92090626870 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Retort cells are present in

- | | |
|---------------------|-----------------------|
| (1) <i>Sphagnum</i> | (2) <i>Riccia</i> |
| (3) <i>Funaria</i> | (4) <i>Lycopodium</i> |

Options :

920906106173. 1

920906106174. 2

920906106175. 3

920906106176. 4

Question Number : 44 Question Id : 92090626870 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

रिटॉर्ट कोशिकाएं निम्न में से किसमें उपस्थित होती हैं ?

- (1) स्फैग्मम (2) रिक्सिया
(3) फ्यूनेरिया (4) लाइकोपोडियम

Options :

920906106173. 1
920906106174. 2
920906106175. 3
920906106176. 4

Question Number : 45 Question Id : 92090626871 Question Type : MCQ Option Shuffling : No 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 cells of hydrom sheath in *Polytrichum* are rich in-

- (1) oils (2) proteins
(3) starch (4) chlorophyll pigments

Options :

920906106177. 1
920906106178. 2
920906106179. 3
920906106180. 4

Question Number : 45 Question Id : 92090626871 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

पॉलीट्राईकम में जलवाहोतक आच्छद की कोशिकाओं में निम्न में से क्या भरपूर मात्रा में मिलता है ?

- (1) तेल (2) प्रोटीन
(3) स्टार्च (4) हरित लवक वर्णक

Options :

920906106177. 1
920906106178. 2
920906106179. 3
920906106180. 4

Question Number : 46 Question Id : 92090626872 Question Type : MCQ Option Shuffling : No 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 following pteridophytes, the initial steps in evolutionary trend of seed development can be best seen in

- | | |
|-----------------------|------------------------|
| (1) <i>Lycopodium</i> | (2) <i>Selaginella</i> |
| (3) <i>Isoetes</i> | (4) <i>Rhynia</i> |

Options :

- 920906106181. 1
- 920906106182. 2
- 920906106183. 3
- 920906106184. 4

Question Number : 46 Question Id : 92090626872 Question Type : MCQ Option Shuffling : No 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 टैरीडोफाइटों में बीज विकास की विकासीय प्रवृत्ति के प्रारम्भिक चरण किसमें अच्छी तरह देखे जा सकते हैं ?

- | | |
|------------------------|-----------------------|
| (1) <i>लाइकोपोडियम</i> | (2) <i>सिलेजिनैला</i> |
| (3) <i>आइसोइटिज़</i> | (4) <i>राइनिया</i> |

Options :

- 920906106181. 1
- 920906106182. 2
- 920906106183. 3
- 920906106184. 4

Question Number : 47 Question Id : 92090626873 Question Type : MCQ Option Shuffling : No 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 (Suffix)	List II (Group Hierarchy)
(A) –opsida	(I) sub-class
(B) –bionta	(II) class
(C) –inae	(III) sub-tribe
(D) –idae	(IV) Kingdom

Choose the correct answer from the options given below:

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

Options :

920906106185. 1
920906106186. 2
920906106187. 3
920906106188. 4

Question Number : 47 Question Id : 92090626873 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I के साथ सूची II का मिलान कीजिए।

सूची I (अनुलग्न)	सूची II (समूह अनुक्रम)
(A) – ऑप्सिडा (–opsida)	(I) उप-वर्ग
(B) – बायोन्टा (–bionta)	(II) वर्ग
(C) – इनी (–inae)	(III) उप-कुल (उप-संवर्ग)
(D) – इडी (–idea)	(IV) जगत (किंगडम)

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

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

Options :

- 920906106185. 1
- 920906106186. 2
- 920906106187. 3
- 920906106188. 4

Question Number : 48 Question Id : 92090626874 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Mycorrhizal fungi helps in delivery of which key ions to the plant sytem?

- (1) Phosphate ions
- (2) Sodium ions
- (3) Chloride ions
- (4) Carbonate ions

Options :

- 920906106189. 1
- 920906106190. 2
- 920906106191. 3
- 920906106192. 4

Question Number : 48 Question Id : 92090626874 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

कवकमूल कवक, इनमें से किस मुख्य आयन को पादप-तन्त्र में प्रदान करती हैं?

- (1) फॉस्फेट आयन
- (2) सोडियम आयन
- (3) क्लोराइड आयन
- (4) कार्बोनेट आयन

Options :

- 920906106189. 1
- 920906106190. 2
- 920906106191. 3
- 920906106192. 4

Question Number : 49 Question Id : 92090626875 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Companion cells which are located close to the sieve tube serve the same function as

- (1) Strasburger cells
- (2) Bulliform cells
- (3) Phellogen
- (4) Cells with bars-of-sanio

Options :

- 920906106193. 1
- 920906106194. 2
- 920906106195. 3
- 920906106196. 4

Question Number : 49 Question Id : 92090626875 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सहचर कोशिकाएँ जो चालनी कोशिका भित्ति के बहुत पास अवस्थित होती हैं, वे _____ जैसा कार्य करती हैं।

- (1) स्ट्रैसबर्गर कोशिकाएँ
- (2) आवर्ध त्वक्कोशिकाएँ
- (3) कागजन
- (4) सैनियो पट्टियों वाली कोशिकाएँ

Options :

- 920906106193. 1
- 920906106194. 2
- 920906106195. 3
- 920906106196. 4

Question Number : 50 Question Id : 92090626876 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

P-proteins are associated with differentiation of _____

- (1) Paracytic stomata
- (2) Paratracheal parenchyma
- (3) Pneumatophore
- (4) Phloem sieve elements

Options :

- 920906106197. 1
- 920906106198. 2
- 920906106199. 3
- 920906106200. 4

Question Number : 50 Question Id : 92090626876 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

P-प्रोटीन्स _____ के पृथक्करण से सम्बंधित है:

- | | |
|----------------|-----------------------------------|
| (1) परजीवी रंघ | (2) परावाहिकी मृदूतक |
| (3) वातरंघ | (4) फ्लोएम चालनी तत्व (एलीमेंट्स) |

Options :

920906106197. 1
920906106198. 2
920906106199. 3
920906106200. 4

Question Number : 51 Question Id : 92090626877 Question Type : MCQ Option Shuffling : No 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) Phyllotaxy	(I) H.H. Dixon and J. Joly
(B) Cohesion theory	(II) E. Munch
(C) Pressure flow hypothesis	(III) Leonardo Fibonacci
(D) Quiescent center	(IV) F.A.L. Clowes

Choose the correct answer from the options given below:

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

Options :

920906106201. 1
920906106202. 2
920906106203. 3
920906106204. 4

Question Number : 51 Question Id : 92090626877 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I के साथ सूची II का मिलान कीजिए।

सूची I	सूची II
(A) पर्ण विन्यास	(I) एच.एच. डिक्सन तथा जे. जॉली
(B) संसंजन सिद्धांत	(II) ई. मुंच
(C) दाब प्रवाह परिकल्पना	(III) लियोनार्डो फाइबोनैक्सी
(D) प्रशान्त केन्द्र	(IV) एफ. ए. एल. क्लाउज़

दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

920906106201. 1
920906106202. 2
920906106203. 3
920906106204. 4

Question Number : 52 Question Id : 92090626878 Question Type : MCQ Option Shuffling : No 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 : *Rauwolfia serpentina* was used by native indians for snake-bite and as tranquilizer for the treatment of mental disorders.

Statement II : Taxol is a drug obtained from plant *Taxus brevifolia* which is used for treatment of leprosy.

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 :

920906106205. 1
920906106206. 2
920906106207. 3

Question Number : 52 Question Id : 92090626878 Question Type : MCQ Option Shuffling : No 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) : सर्पदंश के लिए प्राचीन समय से भारतीयों द्वारा राउबोल्फिया सरपैन्टीना का उपयोग किया जाता था। इस पौधे का उपयोग मानसिक विकारों के उपचार के लिए एक शामक के रूप में किया जाता है।

कथन (II) : टैक्सोल एक औषधि है जो *टैक्सस ब्रैविफोलिया* नामक पौधे से प्राप्त होती है। इसका उपयोग कुष्ठरोग के उपचार के लिए किया जाता है।

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

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

Options :

920906106205. 1

920906106206. 2

920906106207. 3

920906106208. 4

Question Number : 53 Question Id : 92090626879 Question Type : MCQ Option Shuffling : No 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 Scientific Names	List II Common Names
(A) <i>Eugenia caryophyllus</i>	(I) Nutmeg
(B) <i>Elettaria cardamomum</i>	(II) Clove
(C) <i>Myristica fragrans</i>	(III) Cardamom
(D) <i>Carum carvi</i>	(IV) Caraway seed

Choose the correct answer from the options given below:

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

Options :

920906106209. 1
920906106210. 2
920906106211. 3
920906106212. 4

Question Number : 53 Question Id : 92090626879 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I के साथ सूची II का मिलान कीजिए।

सूची I	सूची II
(A) यूजीनिया कैरियोफिलस	(I) जायफल
(B) एलीटेरिया कारडेमोमम	(II) लवंग (लौंग)
(C) मिरिस्टिका फ्रैगरैन्स	(III) इलायची
(D) कारकम कार्वी	(IV) ज़ीरा

दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

920906106209. 1
920906106210. 2
920906106211. 3
920906106212. 4

Question Number : 54 Question Id : 92090626880 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Drug 'quinine' used for treatment of malaria is obtained from

- (1) *Artemisia absinthium* (2) *Rauwolfia serpentina*
(3) *Cinchona sps.* (4) *Ipomoea violacea*

Options :

920906106213. 1
920906106214. 2
920906106215. 3
920906106216. 4

Question Number : 54 Question Id : 92090626880 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

मलेरिया के उपचार के लिए प्रयोग की जाने वाली दवा 'कुनैन' निम्न में से किस से प्राप्त होती है?

- (1) आर्टिमिसिया एबसीन्डियम (2) राउवॉल्फिया सर्पेन्टाइना
(3) सिनकोना स्पीशीज़ (4) आइपोमिया वायोलेसीया

Options :

920906106213. 1
920906106214. 2
920906106215. 3
920906106216. 4

Question Number : 55 Question Id : 92090626881 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Nuclear pores present on nuclear envelope are enclosed by a circular structure called as

- | | |
|------------|-------------|
| (1) Lamina | (2) Annuli |
| (3) Granum | (4) Vesicle |

Options :

920906106217. 1
920906106218. 2
920906106219. 3
920906106220. 4

Question Number : 55 Question Id : 92090626881 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

नाभिकीय आवरण में पाए जाने वाले नाभिकीय छिद्र जिस वृत्ताकार से संरचना से घिरे होते हैं, उसे कहते हैं:

- | | |
|----------------------|-----------------------|
| (1) स्तरिका (लैमिना) | (2) वलयिका (एन्यूलाई) |
| (3) ग्रैनम | (4) पुटिका (वेसीकल) |

Options :

920906106217. 1
920906106218. 2
920906106219. 3
920906106220. 4

Question Number : 56 Question Id : 92090626882 Question Type : MCQ Option Shuffling : No 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 one of the following plant yields foxnut?

- | | |
|--------------------------|-----------------------------|
| (1) <i>Euryale ferox</i> | (2) <i>Nelumbo nouchali</i> |
| (3) <i>Nelumbo alba</i> | (4) <i>Victoria regia</i> |

Options :

920906106221. 1
920906106222. 2
920906106223. 3
920906106224. 4

Question Number : 56 Question Id : 92090626882 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्न में से कौन सा पौधा मखाने उत्पन्न करता है?

- | | |
|----------------------|-----------------------|
| (1) यूरियेल फ़ैरोक्स | (2) निलम्बो नौचैली |
| (3) निलम्बो अल्बा | (4) विक्टोरिया रेजिया |

Options :

920906106221. 1
920906106222. 2
920906106223. 3
920906106224. 4

Question Number : 57 Question Id : 92090626883 Question Type : MCQ Option Shuffling : No 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 plant is known for its orange-red dye from flowers?

- | | |
|-----------------------------|------------------------------|
| (1) <i>Dalbergia sissoo</i> | (2) <i>Butea monosperma</i> |
| (3) <i>Lawsonia inermis</i> | (4) <i>Clitoria ternatea</i> |

Options :

920906106225. 1
920906106226. 2
920906106227. 3
920906106228. 4

Question Number : 57 Question Id : 92090626883 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्न में से कौन सा पौधा उसके फूलों से प्राप्त होने वाली नारंगी - लाल रंग के रंजक के लिए जाना जाता है?

- | | |
|---------------------|---------------------------|
| (1) डैलबर्जिया सीसो | (2) ब्यूटिया मोनोस्पेर्मा |
| (3) लॉसोनिया इनरमिस | (4) क्लाइटोरिया टरनाशिया |

Options :

920906106225. 1
920906106226. 2
920906106227. 3
920906106228. 4

Question Number : 58 Question Id : 92090626884 Question Type : MCQ Option Shuffling : No 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) : Pollen fixed in Formalin : Acetic acid : Alcohol can be used to ascertain fertility but not the viability.

Reasons (R) : Pollen fertility refers to the ability of a plant to produce fertile pollen grains, where as the viability refers to the ability to germinate and produce a pollen 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 :

920906106229. 1

920906106230. 2

920906106231. 3

920906106232. 4

Question Number : 58 Question Id : 92090626884 Question Type : MCQ Option Shuffling : No 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) : परागकणों को फार्मेलीन : एसीटिकअम्ल : एल्कोहल में रखने से उर्वरकता सुनिश्चित होती है परन्तु जीवन क्षमता नहीं।

कारण (R) : पराग कण - उर्वरकता का अभिप्राय पादप द्वारा सामान्य/उर्वर परागकणों का उत्पादन करना होता है जबकि जीवन क्षमता का अर्थ पराग कणों का अंकुरण और पराग-नलिका का बनना होता है।

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

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

Options :

920906106229. 1
920906106230. 2
920906106231. 3
920906106232. 4

Question Number : 59 Question Id : 92090626885 Question Type : MCQ Option Shuffling : No 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 extra-chromosomal heredity unit, circular in nature is called

- | | |
|--------------|------------------|
| (1) X-Factor | (2) Plasmid |
| (3) Cosmid | (4) RecA Protein |

Options :

920906106233. 1
920906106234. 2
920906106235. 3
920906106236. 4

Question Number : 59 Question Id : 92090626885 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

वृत्ताकार प्रकृति की अतिरिक्त गुणसूत्रीय आनुवंशिक इकाई कहलाती है:

- | | |
|-------------|--------------------|
| (1) X कारक | (2) प्लाज्मिड |
| (3) कॉस्मिड | (4) रैक -A प्रोटीन |

Options :

920906106233. 1
920906106234. 2
920906106235. 3
920906106236. 4

Question Number : 60 Question Id : 92090626886 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Double-helix structure of DNA is made up of a linear polymer comprised of subunits called

- | | |
|-------------------|-------------------|
| (1) Nucleic acids | (2) Amino acids |
| (3) Nucleotides | (4) Carbohydrates |

Options :

920906106237. 1
920906106238. 2
920906106239. 3
920906106240. 4

Question Number : 60 Question Id : 92090626886 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

डी.एन.ए. की द्वि-कुंडलिनी संरचना एक रैखिक बहुलक द्वारा बनी होती है जिसमें _____ उपइकाइयाँ समावेशित होती हैं।

- | | |
|--------------------|--------------------|
| (1) न्यूक्लीक अम्ल | (2) अमीनो अम्ल |
| (3) न्यूक्लियोटाइड | (4) कार्बोहाइड्रेट |

Options :

920906106237. 1
920906106238. 2
920906106239. 3
920906106240. 4

Question Number : 61 Question Id : 92090626887 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Genes which code for primary structure of enzymes in operon model are called :

- | | |
|----------------------|---------------------|
| (1) Structural genes | (2) Repressor genes |
| (3) Regulatory genes | (4) Negative genes |

Options :

- 920906106241. 1
- 920906106242. 2
- 920906106243. 3
- 920906106244. 4

Question Number : 61 Question Id : 92090626887 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

वे जीन जो ऑपेरोन प्रारूप में एंजाइम की प्राथमिक संरचना को कोड करते हैं, कहलाते हैं:

- | | |
|--------------------|-----------------|
| (1) संरचनात्मक जीन | (2) दमनकारी जीन |
| (3) नियामक जीन | (4) ऋणात्मक जीन |

Options :

- 920906106241. 1
- 920906106242. 2
- 920906106243. 3
- 920906106244. 4

Question Number : 62 Question Id : 92090626888 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following are autosomal dominant traits?

- (A) Colour blindness
- (B) Myotonic dystrophy
- (C) Phenylthio Carbamide Tasting
- (D) Phenylketonuria
- (E) Branchydaetyly

Choose the most appropriate answer from the options given below :

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

Options :

- 920906106245. 1
- 920906106246. 2
- 920906106247. 3
- 920906106248. 4

Question Number : 62 Question Id : 92090626888 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन अलिंगगुणसूत्री प्रभावी लक्षण है ?

- (A) वर्णाधता
- (B) मायोटोनिक डायस्ट्रोफी
- (C) फिनायल थायो कार्बअमाइड जाँच
- (D) फिनायलकीटोनूरिया
- (E) ब्रेकीडेक्टाइली

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

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

Options :

- 920906106245. 1
- 920906106246. 2
- 920906106247. 3
- 920906106248. 4

Question Number : 63 Question Id : 92090626889 Question Type : MCQ Option Shuffling : No 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) : Embryo rescue technique is used for embryo culture.

Reasons (R) : In case of embryo rescue, the objective is to rescue the developing embryo from the egg cell.

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 :

920906106249. 1

920906106250. 2

920906106251. 3

920906106252. 4

Question Number : 63 Question Id : 92090626889 Question Type : MCQ Option Shuffling : No 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) : भ्रूण संवर्धन के लिए भ्रूण-उद्धार (रेस्क्यू) तकनीक का प्रयोग किया जाता है।

कारण (R) : भ्रूण रेस्क्यू का उद्देश्य, अंड कोशिका से विकसित होने वाले भ्रूण का उद्धार करना है।

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

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

Options :

920906106249. 1
920906106250. 2
920906106251. 3
920906106252. 4

Question Number : 64 Question Id : 92090626890 Question Type : MCQ Option Shuffling : No 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 citric-acid cycle takes place in

- | | |
|--------------------------|-------------------|
| (1) Mitochondrial matrix | (2) Protoplast |
| (3) Chloroplast membrane | (4) Cell membrane |

Options :

920906106253. 1
920906106254. 2
920906106255. 3
920906106256. 4

Question Number : 64 Question Id : 92090626890 Question Type : MCQ Option Shuffling : No 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 सिट्रिक-अम्ल चक्र होता है?

- | | |
|-------------------------------|-------------------|
| (1) माइटोकॉन्ड्रियल मैट्रिक्स | (2) जीवद्रव्यक |
| (3) हरितलवक झिल्ली | (4) कोशिका झिल्ली |

Options :

- 920906106253. 1
- 920906106254. 2
- 920906106255. 3
- 920906106256. 4

Question Number : 65 Question Id : 92090626891 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Regulatory portion of plant genes located primarily upstream from the transcription site is called

- | | |
|-------------------|----------------------|
| (1) Gene enhancer | (2) Gene promoter |
| (3) G-Box | (4) Termination site |

Options :

- 920906106257. 1
- 920906106258. 2
- 920906106259. 3
- 920906106260. 4

Question Number : 65 Question Id : 92090626891 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

पौधों में जीन का नियामक भाग जो मुख्यतः अनुलेखन स्थल के ऊपर पर अवस्थित होता है _____ कहलाता है।

- | | |
|---------------|------------------|
| (1) जीन वर्धक | (2) जीन प्रवर्तक |
| (3) G-बॉक्स | (4) समापन स्थल |

Options :

- 920906106257. 1
- 920906106258. 2
- 920906106259. 3
- 920906106260. 4

Question Number : 66 Question Id : 92090626892 Question Type : MCQ Option Shuffling : No 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 chain elongation process, the factor involved in translocation of ribosome from one codon to the next along the mRNA is :

- | | |
|----------|-----------|
| (1) GDP | (2) NADP |
| (3) EF-G | (4) EF-Tu |

Options :

- 920906106261. 1
- 920906106262. 2
- 920906106263. 3
- 920906106264. 4

Question Number : 66 Question Id : 92090626892 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

श्रृंखला दीर्घन प्रक्रिया में राइबोसोम के एक प्रकूट से दूसरे प्रकूट में mRNA के स्थानान्तरण के लिए निम्न में से कौन सा कारक शामिल होता है ?

- | | |
|--------------|----------------|
| (1) जी डी पी | (2) एन ए डी पी |
| (3) ई एफ-जी | (4) ई एफ-टु |

Options :

- 920906106261. 1
- 920906106262. 2
- 920906106263. 3
- 920906106264. 4

Question Number : 67 Question Id : 92090626893 Question Type : MCQ Option Shuffling : No 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 : Golden rice, is a transgenic crop with enhanced levels of riboflavin, (a precursor of vitamin A).

Statement II : To create golden rice, the genes used were isolated from daffodil and a bacterium

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

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

Options :

920906106265. 1
920906106266. 2
920906106267. 3
920906106268. 4

Question Number : 67 Question Id : 92090626893 Question Type : MCQ Option Shuffling : No 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) : स्वर्णिम धान, राइबोफ्लेविन (जो विटामिन A का पूर्वगामी है), के बढ़े हुए स्तर वाली पारजीनी फसल है।

कथन (II) : स्वर्णिम धान बनाने के लिए प्रयोग किए गए जीनों को डैफोडिल तथा एक जीवाणु से अलग किया गया था।

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

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

Options :

920906106265. 1
920906106266. 2
920906106267. 3
920906106268. 4

Question Number : 68 Question Id : 92090626894 Question Type : MCQ Option Shuffling : No 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

- (A) Nucleic Acid
- (B) Bacterial Transformation
- (C) One gene one enzyme hypothesis
- (D) Restriction enzymes

List II

- (I) George Beadle and E. Tatum
- (II) Johann Friedrich Miescher
- (III) W. Arber, H. Smith and D. Nathans
- (IV) Frederick Griffith

Choose the correct answer from the options given below:

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

Options :

920906106269. 1

920906106270. 2

920906106271. 3

920906106272. 4

Question Number : 68 Question Id : 92090626894 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I के साथ सूची II का मिलान कीजिए।

सूची I	सूची II
(A) न्यूक्लिक अम्ल	(I) जॉर्ज बीटल तथा ई. टेटम
(B) जीवाणु रूपांतरण	(II) जॉन फ्रैडरिक मीशर
(C) एक जीन एक एन्ज़ाइम परिकल्पना	(III) डब्ल्यू आर्बर, एच. स्मिथ तथा डी. नाथन
(D) प्रतिबंधन एन्ज़ाइम	(IV) फ्रैडरिक ग्रिफिथ

दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

920906106269. 1
920906106270. 2
920906106271. 3
920906106272. 4

Question Number : 69 Question Id : 92090626895 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Stenohaline species can tolerate

- (1) narrow range of temperature
- (2) narrow range of salinity
- (3) wide range of temperature
- (4) wide range of salinity

Options :

920906106273. 1
920906106274. 2
920906106275. 3
920906106276. 4

Question Number : 69 Question Id : 92090626895 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

तनुलवणी स्पीशीज किसके प्रति सहिष्णु होती है ?

- | | |
|------------------------------|-----------------------------|
| (1) तापमान का संकुचित प्रसार | (2) लवणता का संकुचित प्रसार |
| (3) तापमान का विस्तृत प्रसार | (4) लवणता का विस्तृत प्रसार |

Options :

920906106273. 1
920906106274. 2
920906106275. 3
920906106276. 4

Question Number : 70 Question Id : 92090626896 Question Type : MCQ Option Shuffling : No 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 selection of transgenic shoots, medium is essentially supplemented with

- | | |
|--------------|-------------------|
| (1) Vitamins | (2) Carbohydrates |
| (3) Minerals | (4) Antibiotics |

Options :

920906106277. 1
920906106278. 2
920906106279. 3
920906106280. 4

Question Number : 70 Question Id : 92090626896 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

पारजीनी प्ररोह के चयन के लिए, माध्यम को निश्चित रूप से संपूरित किया जाता है:

- | | |
|--------------------|---------------------------|
| (1) विटामिन द्वारा | (2) कार्बोहाइड्रेट द्वारा |
| (3) खनिजों द्वारा | (4) प्रतिजैविकों द्वारा |

Options :

920906106277. 1
920906106278. 2
920906106279. 3
920906106280. 4

Question Number : 71 Question Id : 92090626897 Question Type : MCQ Option Shuffling : No 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) : Tropical regions have higher biodiversity as compared to other regions of earth.

Reasons (R) : Tropical regions have older communities and they get more time for development and speciation as compared to other regions of earth.

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 :

920906106281. 1

920906106282. 2

920906106283. 3

920906106284. 4

Question Number : 71 Question Id : 92090626897 Question Type : MCQ Option Shuffling : No 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) : पृथ्वी के अन्य क्षेत्रों की अपेक्षा उष्णकटिबंधीय क्षेत्रों में अधिक जैवविविधता पाई जाती है।

कारण (R) : पृथ्वी के अन्य भागों की अपेक्षा उष्णकटिबंधीय क्षेत्रों में प्राचीन समुदाय हैं और उन्हें विकास तथा जाति उद्भवन के लिए अधिक समय मिलता 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, लेकिन (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 :

920906106281. 1
920906106282. 2
920906106283. 3
920906106284. 4

Question Number : 72 Question Id : 92090626898 Question Type : MCQ Option Shuffling : No 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 : Ecads of same species are genetically similar and interfertile.

Statement II : Ecotypes are genetically different and are not interfertile

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

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

Options :

920906106285. 1
920906106286. 2
920906106287. 3
920906106288. 4

Question Number : 72 Question Id : 92090626898 Question Type : MCQ Option Shuffling : No 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) : एक ही जाति के पारिज आनुवांशिक रूप से एक जैसे तथा अंतराउर्वर होते हैं।

कथन (II) : पारिस्थितिक प्ररूप आनुवांशिक रूप से भिन्न होते हैं तथा अंतराउर्वर नहीं होते।

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

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

Options :

920906106285. 1

920906106286. 2

920906106287. 3

920906106288. 4

Question Number : 73 Question Id : 92090626899 Question Type : MCQ Option Shuffling : No 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) Nanda Devi	(I) Meghalaya
(B) Manas	(II) Uttarakhand
(C) Nokrek	(III) Assam
(D) Pachmarhi	(IV) Madhya Pradesh

Choose the correct answer from the options given below:

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

Options :

920906106289. 1

920906106290. 2

920906106291. 3

920906106292. 4

Question Number : 73 Question Id : 92090626899 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I के साथ सूची II का मिलान कीजिए।

सूची I	सूची II
(A) नंदा देवी	(I) मेघालय
(B) मनस	(II) उत्तराखंड
(C) नोकरेक	(III) असम
(D) पचमढ़ी	(IV) मध्य प्रदेश

दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

920906106289. 1

920906106290. 2

920906106291. 3

920906106292. 4

Question Number : 74 Question Id : 92090626900 Question Type : MCQ Option Shuffling : No 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

- (A) Ontogeny repeats phylogeny
- (B) An abnormality is a reminiscent of a remote ancestor
- (C) Serial arrangement of organisms depicting gradation in a trait
- (D) In a derived trait, the primitive condition is similar to ancestral structure

List II

- (I) Doctorine of teratology
- (II) Doctorine of sequences
- (III) Doctorine of association
- (IV) Doctorine of recapitulation

Choose the correct answer from the options given below:

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

Options :

- 920906106293. 1
- 920906106294. 2
- 920906106295. 3
- 920906106296. 4

Question Number : 74 Question Id : 92090626900 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I के साथ सूची II का मिलान कीजिए।

सूची I

सूची II

- | | |
|---|---------------------------------|
| (A) व्यक्तिवृत्त, जातिवृत्त को दोहराता है। | (I) विरूपताविज्ञान का सिद्धान्त |
| (B) अपसामान्यता किसी पुरानी पीढ़ी के पूर्वज का संस्मरण होती है। | (II) अनुक्रमों का सिद्धान्त |
| (C) जीवों की अनुक्रम व्यवस्था, जो किसी लक्षण में श्रेणीकरण को दर्शाती है। | (III) संगुणन का सिद्धान्त |
| (D) किसी व्युत्पन्न लक्षण में आदिम स्थिति, पूर्वजों की संरचना की तरह होती है। | (IV) पुनरावर्तन का सिद्धान्त |

दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

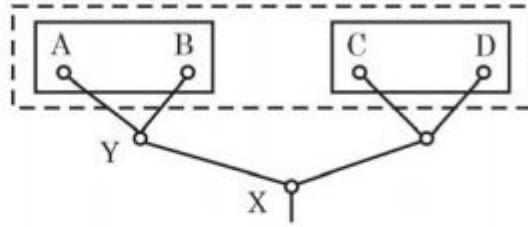
- (1) (A)-(IV), (B)-(I), (C)-(II), (D)-(III)
- (2) (A)-(II), (B)-(III), (C)-(IV), (D)-(I)
- (3) (A)-(I), (B)-(II), (C)-(III), (D)-(IV)
- (4) (A)-(III), (B)-(IV), (C)-(II), (D)-(I)

Options :

920906106293. 1
920906106294. 2
920906106295. 3
920906106296. 4

Question Number : 75 Question Id : 92090626901 Question Type : MCQ Option Shuffling : No 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 phylogeny depicted above,

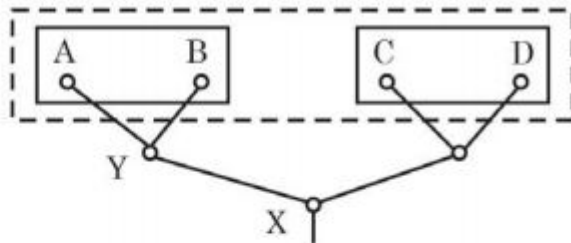
- (1) 'AB' and 'CD' are monophyletic at the level of Y.
- (2) 'AB' and 'CD' are paraphyletic at the level of Y.
- (3) 'ABCD' are paraphyletic at the level of X.
- (4) 'ABCD' are polyphyletic at the level of X.

Options :

920906106297. 1
 920906106298. 2
 920906106299. 3
 920906106300. 4

Question Number : 75 Question Id : 92090626901 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1



ऊपर दर्शाए गए जातिवृत्त में,

- (1) 'AB' तथा 'CD', Y के स्तर पर एकस्रोतोद्भवी हैं।
- (2) 'AB' तथा 'CD', Y के स्तर पर सहस्रोतोद्भवी हैं।
- (3) 'ABCD', X के स्तर पर सहस्रोतोद्भवी हैं।
- (4) 'ABCD', X के स्तर पर बहुस्रोतोद्भवी हैं।

Options :

920906106297. 1

920906106298. 2

920906106299. 3

920906106300. 4

Question Number : 76 Question Id : 92090626902 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Sepallata genes are considered essential for normal development of floral organs and they are grouped under the _____ category of homeotic genes.

(1) A genes

(2) B genes

(3) D genes

(4) E genes

Options :

920906106301. 1

920906106302. 2

920906106303. 3

920906106304. 4

Question Number : 76 Question Id : 92090626902 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सामान्य पुष्पीय अंगों के विकास के लिए *सैपलेटा* जीन्स आवश्यक समझे जाते हैं और इन्हें होमियोटिक जीन्स की _____ श्रेणी के अन्तर्गत समूहीकृत किया जाता है।

(1) A जीन्स

(2) B जीन्स

(3) D जीन्स

(4) E जीन्स

Options :

920906106301. 1

920906106302. 2

920906106303. 3

920906106304. 4

Question Number : 77 Question Id : 92090626903 Question Type : MCQ Option Shuffling : No 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 : According to binomial nomenclature rules, *Rosa indicum*, *Solanum indicus* and *Euonymus indica* are the valid scientific names.

Statement II : As *Rosa*, *Solanum* and *Euonymus* represent neuter, masculine and feminine genitive forms respectively, the specific epithets used are appropriate.

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 :

920906106305. 1
920906106306. 2
920906106307. 3
920906106308. 4

Question Number : 77 Question Id : 92090626903 Question Type : MCQ Option Shuffling : No 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) : द्विपद नामपद्धति के नियमों के अनुसार, *रोज़ा इंडिकम*, *सोलेनम इंडिकस* तथा *इओनिमस इंडिका* वैध वैज्ञानिक नाम हैं।

कथन (II) : *रोज़ा*, *सोलेनम* और *इओनिमस* क्रमशः जनन संबंधी नपुसंक नर तथा मादा रूपों को प्रदर्शित करते हैं। इसलिए प्रयोग किए गए विशिष्ट विशेषक उचित हैं।

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

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

Options :

920906106305. 1
920906106306. 2
920906106307. 3
920906106308. 4

Question Number : 78 Question Id : 92090626904 Question Type : MCQ Option Shuffling : No 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) Plesiomorphy	(I) A derived trait in an evolutionary series
(B) Sympleiomorphy	(II) Possession of derived traits by a group of taxa
(C) Synapomorphy	(III) An ancestral or primitive trait/character
(D) Apomorphy	(IV) A group of taxa sharing a primitive trait

Choose the correct answer from the options given below:

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

Options :

- 920906106309. 1
- 920906106310. 2
- 920906106311. 3
- 920906106312. 4

Question Number : 78 Question Id : 92090626904 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I के साथ सूची II का मिलान कीजिए।

सूची I	सूची II
(A) समरूपण	(I) विकासवादी श्रृंखला में एक व्युत्पन्न लक्षण
(B) सिम्पलैज़ियोमोर्फ़ी	(II) वर्गों के एक समूह द्वारा व्युत्पन्न लक्षणों का
(C) साइनैपोमोर्फ़ी	(III) पूर्वजों से प्राप्त अथवा आदिम लक्षण
(D) अपरूपण	(IV) वर्गक का एक समूह जो आदिकालीन गुणधर्म को साझा करता है।

दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

920906106309. 1
920906106310. 2
920906106311. 3
920906106312. 4

Question Number : 79 Question Id : 92090626905 Question Type : MCQ Option Shuffling : No 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) Compositae	(I) Lamiaceae
(B) Umbelliferae	(II) Brassicaceae
(C) Labiatae	(III) Asteraceae
(D) Cruciferae	(IV) Apiaecae

Choose the correct answer from the options given below:

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

Options :

- 920906106313. 1
- 920906106314. 2
- 920906106315. 3
- 920906106316. 4

Question Number : 79 Question Id : 92090626905 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I के साथ सूची II का मिलान कीजिए।

सूची I	सूची II
(A) कम्पोज़िटी	(I) लैमीनेसी
(B) अम्बेलीफेरी	(II) ब्रैसिकेसी
(C) लेबिएटी	(III) ऐस्टेरेसी
(D) क्रूसिफेरी	(IV) एपीएसी

दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

- 920906106313. 1
- 920906106314. 2
- 920906106315. 3
- 920906106316. 4

Question Number : 80 Question Id : 92090626906 Question Type : MCQ Option Shuffling : No 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 (Types of Stomata)	List II (Family Type)
(A) Anomocytic	(I) Cruciferous type
(B) Anisocytic	(II) Rubiaceous type
(C) Paracytic	(III) Ranunculaceous type
(D) Diacytic	(IV) Caryophyllous type

Choose the correct answer from the options given below:

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

Options :

- 920906106317. 1
- 920906106318. 2
- 920906106319. 3
- 920906106320. 4

Question Number : 80 Question Id : 92090626906 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I के साथ सूची II का मिलान कीजिए।

सूची I (रन्ध्र का प्रकार)	सूची II (कुल का प्रकार)
(A) अनियमित कौशिका प्रकार रन्ध्र	(I) क्रूसीफेरस प्रकार
(B) असमकोशिक प्रकार रन्ध्र	(II) रूबिएसियस प्रकार
(C) पराकौशिक प्रारूप रन्ध्र	(III) रेननकुलेसियस प्रकार
(D) लंबकोशिक प्रकार रन्ध्र	(IV) कैरियोफिलस प्रकार

दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

920906106317. 1
920906106318. 2
920906106319. 3
920906106320. 4

Question Number : 81 Question Id : 92090626907 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Cystein rich peptide involved in pollen tube attraction in the micropylar region of ovule in *Arabidopsis*.

- (1) LeSTIG 1
- (2) LUREs
- (3) GRP17
- (4) SCAs

Options :

920906106321. 1
920906106322. 2
920906106323. 3
920906106324. 4

Question Number : 81 Question Id : 92090626907 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

एराबिडोप्सिस में बीजांड के बीजांडद्वारी क्षेत्र में पराग नली आकर्षण में शामिल सिस्टीन से भरपूर पैप्टाइड कौन सा है?

- (1) LeSTIG 1 (2) LUREs
(3) GRP17 (4) SCAs

Options :

920906106321. 1
920906106322. 2
920906106323. 3
920906106324. 4

Question Number : 82 Question Id : 92090626908 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Poppy plant exhibits self incompatibility of _____ type with _____ as male, and _____ as female determinants.

- (1) Gametophytic/SLF/S-RNase (2) Sporophytic/PrsS/SRK
(3) Sporophytic/SCR/SP11 (4) Gametophytic/Prps/PrsS

Options :

920906106325. 1
920906106326. 2
920906106327. 3
920906106328. 4

Question Number : 82 Question Id : 92090626908 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

अफीम पोस्त का पौधा _____ प्रकार की स्व.असंगतता नर की तरह _____ के साथ तथा मादा निर्धारक की तरह _____ के साथ दर्शाता है।

- (1) युग्मकोदकभिद/SLF/S-Rnase (2) बीजाणुउद्भिद/PrsS/SRK
(3) बीजाणुउद्भिद/SCR/SP11 (4) युग्मकोदकभिद/Prps/PrsS

Options :

920906106325. 1
920906106326. 2
920906106327. 3
920906106328. 4

Question Number : 83 Question Id : 92090626909 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Parthenocarpy which arises due to mutations or hybridization is known as

- (1) Environmental Parthenocarpy
- (2) Genetic Parthenocarpy
- (3) Genetically Engineered Parthenocarpy
- (4) Chemically Induced Parthenocarpy

Options :

920906106329. 1

920906106330. 2

920906106331. 3

920906106332. 4

Question Number : 83 Question Id : 92090626909 Question Type : MCQ Option Shuffling : No 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 के उत्परिवर्तन से उत्पन्न होने वाला अनिषेकफलन किस नाम से जाना जाता है?

- (1) पर्यावरणीय अनिषेकफलन
- (2) आनुवांशिक अनिषेकफलन
- (3) आनुवांशिक अभियांत्रिकीय अनिषेकफलन
- (4) रासायनिक रूप से प्रवृत्त अनिषेकफलन

Options :

920906106329. 1

920906106330. 2

920906106331. 3

920906106332. 4

Question Number : 84 Question Id : 92090626910 Question Type : MCQ Option Shuffling : No 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) Ruminant Endosperm	(I) Podostemaceae
(B) Absence of Double Fertilization	(II) <i>Lemna paucicostata</i>
(C) Reduced embryos	(III) <i>Coccoloba</i>
(D) Operculate seed	(IV) Orchidaceae

Choose the correct answer from the options given below:

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

Options :

920906106333. 1
920906106334. 2
920906106335. 3
920906106336. 4

Question Number : 84 Question Id : 92090626910 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I के साथ सूची II का मिलान कीजिए।

सूची I	सूची II
(A) चर्विताभ भ्रूणपोष	(I) पोडोस्टेमेसी
(B) द्विनिषेचन की अनुपस्थिति	(II) <i>लेम्ना पाँसिकोस्टेटा</i>
(C) समानीत भ्रूण	(III) <i>कोकोलोबा</i>
(D) प्रच्छदी बीज	(IV) ऑर्किडेसी

दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

920906106333. 1
920906106334. 2
920906106335. 3
920906106336. 4

Question Number : 85 Question Id : 92090626911 Question Type : MCQ Option Shuffling : No 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 main function of kinetochores in cell division is to provide the site of attachment for

- | | |
|----------------|------------------|
| (1) Centromere | (2) Microtubules |
| (3) Nucleus | (4) Telomere |

Options :

920906106337. 1
920906106338. 2
920906106339. 3
920906106340. 4

Question Number : 85 Question Id : 92090626911 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

कोशिका विभाजन में काइनेटोकोर का मुख्य कार्य _____ के संयोजन के लिए स्थान प्रदान करना है।

- | | |
|------------------|------------------------|
| (1) सेन्ट्रोमीयर | (2) माइक्रोट्यूब्यूल्स |
| (3) केन्द्रक | (4) टेलोमीयर |

Options :

920906106337. 1
920906106338. 2
920906106339. 3
920906106340. 4

Question Number : 86 Question Id : 92090626912 Question Type : MCQ Option Shuffling : No 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 active form of Phytochrome is

- (1) P_{fr} (2) P_r
(3) F_{pr} (4) R_p

Options :

920906106341. 1
920906106342. 2
920906106343. 3
920906106344. 4

Question Number : 86 Question Id : 92090626912 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

फाईटोक्रोम का सक्रिय रूप _____ है

- (1) P_{fr} (2) P_r
(3) F_{pr} (4) R_p

Options :

920906106341. 1
920906106342. 2
920906106343. 3
920906106344. 4

Question Number : 87 Question Id : 92090626913 Question Type : MCQ Option Shuffling : No 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 most important auxin present in higher plant is

- (1) IAA (2) 4-Cl-IAA
(3) IBA (4) 2, 4-D

Options :

920906106345. 1
920906106346. 2
920906106347. 3
920906106348. 4

Question Number : 87 Question Id : 92090626913 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

उच्च वर्ग के पौधों में पाया जाने वाला सबसे महत्वपूर्ण ऑक्सिन है _____ ।

- | | |
|---------|--------------|
| (1) IAA | (2) 4-Cl-IAA |
| (3) IBA | (4) 2, 4-D |

Options :

- 920906106345. 1
- 920906106346. 2
- 920906106347. 3
- 920906106348. 4

Question Number : 88 Question Id : 92090626914 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Oxidation of H_2O to produce O_2 is performed by

- | | |
|-----------------------|------------------------|
| (1) PS I in thylakoid | (2) PS II in thylakoid |
| (3) PS I in stroma | (4) PS II in stroma |

Options :

- 920906106349. 1
- 920906106350. 2
- 920906106351. 3
- 920906106352. 4

Question Number : 88 Question Id : 92090626914 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ऑक्सीजन उत्पन्न करने के लिए जल का ऑक्सीकरण _____ द्वारा किया जाता है।

- | | |
|------------------------|-------------------------|
| (1) थाइलेकोयड में PS I | (2) थाइलेकोयड में PS II |
| (3) पीठिका में PS I | (4) पीठिका में PS II |

Options :

- 920906106349. 1
- 920906106350. 2
- 920906106351. 3
- 920906106352. 4

Question Number : 89 Question Id : 92090626915 Question Type : MCQ Option Shuffling : No 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) : Positive xylem pressure causes exudation of sap through hydathodes, a process called guttation.

Reasons (R) : Guttation is noticed when transpiration is suppressed and relative humidity is high.

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

- (1) Both (A) and (R) are true and (R) is the correct explanation of (A)
- (2) Both (A) and (R) are true but (R) is NOT the correct explanation of (A)
- (3) (A) is true but (R) is false
- (4) (A) is false but (R) is true

Options :

920906106353. 1

920906106354. 2

920906106355. 3

920906106356. 4

Question Number : 89 Question Id : 92090626915 Question Type : MCQ Option Shuffling : No 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) : ज़ाइलम दाब के कारण जलरंध्रों द्वारा रस के प्रस्वेदन की प्रक्रिया को बिंदु स्राव कहते हैं।

कारण (R) : जब वाष्पोत्सर्जन निरुद्ध होता है और सापेक्ष आर्द्रता उच्च होती है तो बिंदु स्राव पाया 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, लेकिन (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 :

920906106353. 1
920906106354. 2
920906106355. 3
920906106356. 4

Question Number : 90 Question Id : 92090626916 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Blue light elicits following responses for plants

- (A) It stimulates asymmetric growth
- (B) Inhibits stem elongation
- (C) Stimulates stomatal opening
- (D) Deactivates proton pump
- (E) Stimulates bending of stem

Choose the correct answer from the options given below :

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

Options :

920906106357. 1
920906106358. 2
920906106359. 3

920906106360. 4

Question Number : 90 Question Id : 92090626916 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

नीली प्रकाश पौधों के लिए निम्न अनुक्रियाएँ उत्पन्न करता है-

- (A) यह असममित वृद्धि को उद्दीपित करता है।
- (B) तने के लंबन को निरोधित करता है।
- (C) रंध्र के खुलने को उद्दीपित करता है।
- (D) प्रोटोन पंप को निष्क्रिय करता है।
- (E) तने के मुड़ने को उद्दीपित करता है।

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

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

Options :

920906106357. 1

920906106358. 2

920906106359. 3

920906106360. 4

Question Number : 91 Question Id : 92090626917 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Sucrose, a transportable form of carbon and energy in most plants, is synthesized in

- (1) Chloroplast
- (2) Cytosol
- (3) Mitochondria
- (4) Endoplasmic reticulum

Options :

920906106361. 1

920906106362. 2

920906106363. 3

920906106364. 4

Question Number : 91 Question Id : 92090626917 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

अधिकांश पौधों में कार्बन तथा ऊर्जा का परिवहनीय रूप 'सूक्रोज' _____ में संश्लेषित होता है?

- | | |
|---------------------|----------------------------|
| (1) हरितलवक | (2) साइटोसोल |
| (3) माइटोकॉन्ड्रिया | (4) एंडोप्लास्मिक रेटिकुलम |

Options :

- 920906106361. 1
- 920906106362. 2
- 920906106363. 3
- 920906106364. 4

Question Number : 92 Question Id : 92090626918 Question Type : MCQ Option Shuffling : No 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 enzyme involved in catalysis of substrate-level photophosphorylation in citric acid cycle.

- | | |
|-------------------------------|-----------------------------|
| (1) Aconitase | (2) Succinate dehydrogenase |
| (3) Succinyl – CoA synthetase | (4) Fumarase |

Options :

- 920906106365. 1
- 920906106366. 2
- 920906106367. 3
- 920906106368. 4

Question Number : 92 Question Id : 92090626918 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सिट्रिक एसिड चक्र में अवस्तर स्तर के प्रकाश फॉस्फोराइलेशन को उत्प्रेरित करने में शामिल एंजाइम का चयन करें।

- | | |
|------------------------------|-----------------------------|
| (1) एकोनिटेस | (2) सक्सीनेट डीहाइड्रोजिनेस |
| (3) सक्सीनिल - CoA सिंथेटेज़ | (4) फ्यूमेरेज़ |

Options :

- 920906106365. 1
- 920906106366. 2
- 920906106367. 3
- 920906106368. 4

Question Number : 93 Question Id : 92090626919 Question Type : MCQ Option Shuffling : No 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 correct statements regarding Gibberellins.

- (A) All GAs possess a tetracyclic ent-gibberellane skeleton
- (B) GA biosynthesis inhibitors (Cycocel) help reducing plant stem length and lodging
- (C) GAs are diterpenoids
- (D) GA biosynthesis occurs in cytoplasm
- (E) GA is synthesised in the aleurone layer of embryo

Choose the correct answer from the options given below :

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

Options :

920906106369. 1

920906106370. 2

920906106371. 3

920906106372. 4

Question Number : 93 Question Id : 92090626919 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

जिबेरलिनस से संबंधित सही कथनों का चयन कीजिए:

- (A) सभी GA में एक चतुश्चक्री एंट-जिबरलेन स्कैलटन होता है।
- (B) GA जैव संश्लेषण निरोधक (Cycocel) पौधे के तने की लंबाई तथा पतन को कम करने में सहायक होते हैं।
- (C) GA डाइटरपिनोयड होते हैं।
- (D) GA का जैवसंश्लेषण साइटोप्लाज्म में होता है।
- (E) GA का संश्लेषण भ्रूण की एल्यूरोन सतह में होता है।

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

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

Options :

- 920906106369. 1
- 920906106370. 2
- 920906106371. 3
- 920906106372. 4

Question Number : 94 Question Id : 92090626920 Question Type : MCQ Option Shuffling : No 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 cuticle coats the outer cell walls of the epidermis on the aerial parts of plants and help reducing water loss and entry of pathogens.

Statement II : Cuticle is made up of cutin and wax which are hydrophobic and difficult to degrade.

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

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

Options :

- 920906106373. 1
- 920906106374. 2
- 920906106375. 3
- 920906106376. 4

Question Number : 94 Question Id : 92090626920 Question Type : MCQ Option Shuffling : No 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) : पौधे के वायव भागों में बाह्यत्वचा की बाह्य कोशिका भित्ति पर क्यूटिकल परत होती है। यह जलहास को तथा रोगाणुओं के भीतर आने को रोकने में मदद करती है।

कथन (II) : क्यूटिकल, क्यूटिन तथा वैक्स से बना होता है जो जलविरोधी होता है तथा इसे निम्नीकृत करना कठिन है।

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

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

Options :

920906106373. 1
920906106374. 2
920906106375. 3
920906106376. 4

Question Number : 95 Question Id : 92090626921 Question Type : MCQ Option Shuffling : No 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 Enzymes	List II Reaction Catalysed
(A) Nitrate reductase	(I) Conversion of 1 – aminocyclopropane-1-carboxylic acid to ethylene
(B) Alternative oxidase	(II) Conversion of citrate to isocitrate
(C) Aconitase	(III) Reduction of oxygen to water
(D) ACC Oxidase	(IV) Conversion of nitrate to nitrite

Choose the correct answer from the options given below:

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

Options :

920906106377. 1
920906106378. 2
920906106379. 3
920906106380. 4

Question Number : 95 Question Id : 92090626921 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I के साथ सूची II का मिलान कीजिए।

सूची I	सूची II
एंजाइम	उत्प्रेरित अभिक्रिया
(A) नाइट्रेट रिडक्टेज़	(I) 1-अमीनोसाइक्लोप्रोपेन-1 कार्बोक्सिलिक अम्ल का एथीलीन में परिवर्तन
(B) वैकल्पिक ऑक्सीडेज़	(II) साइट्रेट का आइसोसाइट्रेट में परिवर्तन
(C) एकोनाइट	(III) ऑक्सीजन का जल में उपचयन
(D) एकोक्सिडेज़	(IV) नाइट्रेट का नाइट्राइट में परिवर्तन

दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

920906106377. 1
920906106378. 2
920906106379. 3
920906106380. 4

Question Number : 96 Question Id : 92090626922 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Concept of totipotency in plant was demonstrated by

- | | |
|------------------|----------------|
| (1) CV Raman | (2) T. Morgan |
| (3) G Haberlandt | (4) EC Cocking |

Options :

920906106381. 1
920906106382. 2
920906106383. 3
920906106384. 4

Question Number : 96 Question Id : 92090626922 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

पौधों में पूर्णशक्तता की अवधारणा को _____ ने प्रदर्शित किया था।

- (1) सी वी रमन (2) टी मॉर्गन
(3) जी हेबरलैंड (4) ई सी कोकिंग

Options :

920906106381. 1
920906106382. 2
920906106383. 3
920906106384. 4

Question Number : 97 Question Id : 92090626923 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

First report of haploid production was in

- (1) *Brassica* (2) *Mangifera*
(3) *Arabidopsis* (4) *Datura*

Options :

920906106385. 1
920906106386. 2
920906106387. 3
920906106388. 4

Question Number : 97 Question Id : 92090626923 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

हैप्लॉयड उत्पादन की प्रथम रिपोर्ट _____ में थी।

- (1) *ब्रैसिका* (2) *मैंगीफेरा*
(3) *एरैबिडॉप्सिस* (4) *धतूरा*

Options :

920906106385. 1
920906106386. 2
920906106387. 3
920906106388. 4

Question Number : 98 Question Id : 92090626924 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Arrange the following steps in *E.coli* translation sequentially.

- (A) Elongation
- (B) Release of polypeptide
- (C) Initiation
- (D) Folding of the polypeptide
- (E) Termination

Choose the correct answer from the options given below :

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

Options :

- 920906106389. 1
- 920906106390. 2
- 920906106391. 3
- 920906106392. 4

Question Number : 98 Question Id : 92090626924 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ई.कोलाई स्थानांतरण/रूपांतरण में सम्मिलित विविध चरणों को क्रमबद्ध कीजिए:

- (A) दीर्घन
- (B) पॉलीप्ताइड का मोचन
- (C) प्रारम्भ
- (D) पॉलीप्ताइड का वलन
- (E) समापन

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

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

Options :

- 920906106389. 1
- 920906106390. 2
- 920906106391. 3
- 920906106392. 4

Question Number : 99 Question Id : 92090626925 Question Type : MCQ Option Shuffling : No 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 artificial chromosomes (BAC) are capable of cloning fragments upto

- | | |
|----------------|----------------|
| (1) 500-750 kb | (2) 200-250 kb |
| (3) 50-150 kb | (4) 300-350 kb |

Options :

- 920906106393. 1
- 920906106394. 2
- 920906106395. 3
- 920906106396. 4

Question Number : 99 Question Id : 92090626925 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

जीवाणु कृत्रिम गुणसूत्र (बी ए सी) _____ क्लोनिंग खण्डों की क्लोनिंग करने में सक्षम होते हैं:

- | | |
|-------------------|-------------------|
| (1) 500-750 केबी. | (2) 200-250 केबी. |
| (3) 50-150 केबी. | (4) 300-350 केबी. |

Options :

- 920906106393. 1
- 920906106394. 2
- 920906106395. 3
- 920906106396. 4

Question Number : 100 Question Id : 92090626926 Question Type : MCQ Option Shuffling : No 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) Clonal propagation	(I) Meristem culture
(B) Virus free plant	(II) Cell line culture in a bioreactor
(C) Haploid plant production	(III) Axillary bud
(D) Secondary metabolite production	(IV) Anther culture

Choose the correct answer from the options given below:

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

Options :

920906106397. 1
920906106398. 2
920906106399. 3
920906106400. 4

Question Number : 100 Question Id : 92090626926 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I के साथ सूची II का मिलान कीजिए।

सूची I	सूची II
(A) क्लोनल प्रवर्धन	(I) विभज्योतक संवर्धन
(B) वायरस मुक्त पादप	(II) बायोरिएक्टर में कोशिका लाइन संवर्धन
(C) अगुणित पादप उत्पादन	(III) कक्षीय कलिका
(D) द्वितीयक उपापचयक उत्पादन	(IV) परागकोष संवर्धन

दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

920906106397. 1

920906106398. 2

920906106399. 3

920906106400. 4