

National Testing Agency

Question Paper Name : Bioinformatics Eng 25th June 2023 Shift 2
Subject Name : Bioinformatics Eng
Creation Date : 2023-06-25 18:05:05
Duration : 120
Total Marks : 400
Display Marks: Yes

Bioinformatics

Group Number : 1
Group Id : 686340376
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 : 686340747
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 : 6863401249
Question Shuffling Allowed : No
Is Section Default? : null

**Question Id : 68634037981 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group
Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time
: N.A Minimum Instruction Time : 0
Question Numbers : (1 to 5)
Question Label : Comprehension**

Read the passage carefully and answer the questions that follows:

The reformer must know that what moves people is the authentic life, not mere writing. The newspapers and journals that Lokmanya Tilak and Gandhiji ran the books they wrote, sold little, but had enormous effect. Their writing was known to reflect and be just an extension of their exemplary lives. It was the authenticity of their lives which lent weight to their message, to their example. All knew that their lives were an integral whole - they were not moral in public life and lax in private, nor vice versa. They were not full of pious thoughts and sacred resolutions within the walls of a temple and cheats outside.

A writer who is merely entertaining his readers, even one who is merely informing them, can do what he wants with the rest of his life. But the writer who sets out to use his pen to reform public life cannot afford such dualities.

Here is the testimony of one great man – Gandhiji – about the influence of another, Lokmanya Tilak: “I believe that an editor who has anything worth saying and who commands a clientele cannot be easily hushed. He delivers his finished message as soon as he is put under duress. The Lokmanya Spoke more eloquently from the Mandalay fortress than through the columns of the printed *Kesari*. His influence was multiplied thousandfold by his imprisonment and his speech, and his pen had acquired much greater power after he was discharged than before his imprisonment. By his death we have been editing his paper without pen and speech through the sacred resolution of the people to realise his life’s dream. He could possibly have done more if he were today in the flesh preaching his view. Critics like me would perhaps be still finding fault in this expression of his or that. Today his message rules millions of hearts which are determined to raise a permanent living memorial by the fulfilment of his ambition in their lives.”

Sub questions

Question Number : 1 Question Id : 68634037982 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Lokmanya spoke more eloquently from the Mandalay fortress than through the columns of the printed *Kesari*.

What is the meaning of ‘eloquently’ in the above sentence?

1. announce solemnly
2. Convert in the intelligible language
3. Language understood by the uneducated mass
4. Clearly expressive

Options :

- 686340150001. 1
- 686340150002. 2
- 686340150003. 3
- 686340150004. 4

Question Number : 2 Question Id : 68634037983 Question Type : MCQ Option Shuffling : No 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 the result of Lokmanya Tilak's exemplary life ?

1. People resolved to fulfil his life's dreams
2. The newspapers edited by him did not incur money loss
3. The books written by him were useful
4. Critics still find fault with his views

Options :

- 686340150005. 1
- 686340150006. 2
- 686340150007. 3
- 686340150008. 4

Question Number : 3 Question Id : 68634037984 Question Type : MCQ Option Shuffling : No 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 context of the passage, which of the following statement about Lokmanya Tilak and Mahatma Gandhi is true?

1. Their influence on people was negligible
2. Very few people used to read the newspapers edited by them
3. They were moral in private life but lax in public life
4. They were allowed to edit their newspapers even from inside the jail

Options :

- 686340150009. 1
- 686340150010. 2
- 686340150011. 3
- 686340150012. 4

Question Number : 4 Question Id : 68634037985 Question Type : MCQ Option Shuffling : No 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 the general tendency of critics, according to the passage?

1. To find fault with one or the other expression of a writer
2. To praise only those writers whom they like
3. To suggest new ideas to the public
4. To justify their criticism

Options :

- 686340150013. 1
- 686340150014. 2

686340150015. 3

686340150016. 4

Question Number : 5 Question Id : 68634037986 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Lokmanya Tilak's messages were most effective:

1. when he delivered through his editorials
2. before his imprisonment
3. when he became an informer
4. when he delivered speeches

Options :

686340150017. 1

686340150018. 2

686340150019. 3

686340150020. 4

Question Id : 68634037981 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (1 to 5)

Question Label : Comprehension

Read the passage carefully and answer the questions that follows:

The reformer must know that what moves people is the authentic life, not mere writing. The newspapers and journals that Lokmanya Tilak and Gandhiji ran the books they wrote, sold little, but had enormous effect. Their writing was known to reflect and be just an extension of their exemplary lives. It was the authenticity of their lives which lent weight to their message, to their example. All knew that their lives were an integral whole - they were not moral in public life and lax in private, nor vice versa. They were not full of pious thoughts and sacred resolutions within the walls of a temple and cheats outside.

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Here is the testimony of one great man – Gandhiji – about the influence of another, Lokmanya Tilak: “I believe that an editor who has anything worth saying and who commands a clientele cannot be easily hushed. He delivers his finished message as soon as he is put under duress. The Lokmanya Spoke more eloquently from the Mandalay fortress than through the columns of the printed *Kesari*. His influence was multiplied thousandfold by his imprisonment and his speech, and his pen had acquired much greater power after he was discharged than before his imprisonment. By his death we have been editing his paper without pen and speech through the sacred resolution of the people to realise his life's dream. He could possibly have done more if he were today in the flesh preaching his view. Critics like me would perhaps be still finding fault in this expression of his or that. Today his message rules millions of hearts which are determined to raise a permanent living memorial by the fulfilment of his ambition in their lives.”

Sub questions

Question Number : 1 Question Id : 68634037982 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Lokmanya spoke more eloquently from the Mandalay fortress than through the columns of the printed *Kesari*.

What is the meaning of 'eloquently' in the above sentence?

1. announce solemnly
2. Convert in the intelligible language
3. Language understood by the uneducated mass
4. Clearly expressive

Options :

- 686340150001. 1
- 686340150002. 2
- 686340150003. 3
- 686340150004. 4

Question Number : 2 Question Id : 68634037983 Question Type : MCQ Option Shuffling : No 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 the result of Lokmanya Tilak's exemplary life ?

1. People resolved to fulfil his life's dreams
2. The newspapers edited by him did not incur money loss
3. The books written by him were useful
4. Critics still find fault with his views

Options :

- 686340150005. 1
- 686340150006. 2
- 686340150007. 3
- 686340150008. 4

Question Number : 3 Question Id : 68634037984 Question Type : MCQ Option Shuffling : No 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 context of the passage, which of the following statement about Lokmanya Tilak and Mahatma Gandhi is true?

1. Their influence on people was negligible
2. Very few people used to read the newspapers edited by them
3. They were moral in private life but lax in public life
4. They were allowed to edit their newspapers even from inside the jail

Options :

- 686340150009. 1
- 686340150010. 2
- 686340150011. 3
- 686340150012. 4

Question Number : 4 Question Id : 68634037985 Question Type : MCQ Option Shuffling : No 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 the general tendency of critics, according to the passage?

1. To find fault with one or the other expression of a writer
2. To praise only those writers whom they like
3. To suggest new ideas to the public
4. To justify their criticism

Options :

- 686340150013. 1
- 686340150014. 2
- 686340150015. 3
- 686340150016. 4

Question Number : 5 Question Id : 68634037986 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Lokmanya Tilak's messages were most effective:

1. when he delivered through his editorials
2. before his imprisonment
3. when he became an informer
4. when he delivered speeches

Options :

- 686340150017. 1

686340150018. 2

686340150019. 3

686340150020. 4

Sub-Section Number :

2

Sub-Section Id :

6863401250

Question Shuffling Allowed :

Yes

Is Section Default? :

null

Question Number : 6 Question Id : 68634037987 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

Rennet casein is produced _____ skin milk by coagulation _____ rennet. Soluble calcium ions are required _____ this reaction. Sufficient quantities _____ calcium is already present in milk.

1. from, with, for, of

2. from, with, of, for

3. from, in, with, for

4. from, of, for, with

Options :

686340150021. 1

686340150022. 2

686340150023. 3

686340150024. 4

Question Number : 6 Question Id : 68634037987 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

Rennet casein is produced _____ skin milk by coagulation _____ rennet. Soluble calcium ions are required _____ this reaction. Sufficient quantities _____ calcium is already present in milk.

1. from, with, for, of

2. from, with, of, for

3. from, in, with, for

4. from, of, for, with

Options :

686340150021. 1

686340150022. 2

686340150023. 3

686340150024. 4

Question Number : 7 Question Id : 68634037988 Question Type : MCQ Option Shuffling : No 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.	Plagiarize	I.	Disrespectful
B.	Dubious	II.	Gift
C.	Contemptuous	III.	Uncertain
D.	Hamper	IV.	Copy

Choose the correct answer from the options given below:

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

Options :

- 686340150025. 1
- 686340150026. 2
- 686340150027. 3
- 686340150028. 4

Question Number : 7 Question Id : 68634037988 Question Type : MCQ Option Shuffling : No 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.	Plagiarize	I.	Disrespectful
B.	Dubious	II.	Gift
C.	Contemptuous	III.	Uncertain
D.	Hamper	IV.	Copy

Choose the correct answer from the options given below:

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

Options :

- 686340150025. 1
- 686340150026. 2
- 686340150027. 3
- 686340150028. 4

Question Number : 8 Question Id : 68634037989 Question Type : MCQ Option Shuffling : No 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 suitable grammatically correct sentence from the given options.

1. The team is confident to win the match
2. The team is confident of winning the match
3. The team is confident of win the match
4. The team is confident for winning the match

Options :

686340150029. 1
686340150030. 2
686340150031. 3
686340150032. 4

Question Number : 8 Question Id : 68634037989 Question Type : MCQ Option Shuffling : No 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 suitable grammatically correct sentence from the given options.

1. The team is confident to win the match
2. The team is confident of winning the match
3. The team is confident of win the match
4. The team is confident for winning the match

Options :

686340150029. 1
686340150030. 2
686340150031. 3
686340150032. 4

Question Number : 9 Question Id : 68634037990 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Fill in the blank with appropriate word from the options given below:

The foodgrains stocks in India are at all time _____

1. highest

2. high

3. lowest

4. cost

Options :

686340150033. 1

686340150034. 2

686340150035. 3

686340150036. 4

Question Number : 9 Question Id : 68634037990 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Fill in the blank with appropriate word from the options given below:

The foodgrains stocks in India are at all time _____

1. highest

2. high

3. lowest

4. cost

Options :

686340150033. 1

686340150034. 2

686340150035. 3

686340150036. 4

Question Number : 10 Question Id : 68634037991 Question Type : MCQ Option Shuffling : No 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 spelling word for:

"A board game in which players buildup words from small size lettered tiles."

1. Scrabble
2. Scrabble
3. Skrable
4. Scrablee

Options :

- 686340150037. 1
- 686340150038. 2
- 686340150039. 3
- 686340150040. 4

Question Number : 10 Question Id : 68634037991 Question Type : MCQ Option Shuffling : No 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 spelling word for:

"A board game in which players buildup words from small size lettered tiles."

1. Scrabble
2. Scrabble
3. Skrable
4. Scrablee

Options :

- 686340150037. 1
- 686340150038. 2
- 686340150039. 3
- 686340150040. 4

Question Number : 11 Question Id : 68634037992 Question Type : MCQ Option Shuffling : No 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 $5x+4y = 83$ and $\frac{2x}{3y} = 1\frac{1}{21}$, then the value of x^2-y^2 is:

1. 83

2. 72

3. 18

4. 4

Options :

686340150041. 1

686340150042. 2

686340150043. 3

686340150044. 4

Question Number : 11 Question Id : 68634037992 Question Type : MCQ Option Shuffling : No 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 $5x+4y = 83$ and $\frac{2x}{3y} = 1\frac{1}{21}$, then the value of x^2-y^2 is:

1. 83

2. 72

3. 18

4. 4

Options :

686340150041. 1

686340150042. 2

686340150043. 3

686340150044. 4

Question Number : 12 Question Id : 68634037993 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Find the greatest possible length which can be used to measure exactly the lengths 16 m 65 cm, 9 m and 4 m 95 cm.

1. 16 m

2. 95 cm

3. 65 cm

4. 45 cm

Options :

686340150045. 1
686340150046. 2
686340150047. 3
686340150048. 4

Question Number : 12 Question Id : 68634037993 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Find the greatest possible length which can be used to measure exactly the lengths 16 m 65 cm, 9 m and 4 m 95 cm.

1. 16 m
2. 95 cm
3. 65 cm
4. 45 cm

Options :

686340150045. 1
686340150046. 2
686340150047. 3
686340150048. 4

Question Number : 13 Question Id : 68634037994 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

The average of marks of 15 papers is 42. The average of marks of first 8 papers is 45 and that of the last 8 papers is 36. The marks of 8th paper are:

1. 15
2. 16
3. 17
4. 18

Options :

686340150049. 1
686340150050. 2
686340150051. 3
686340150052. 4

Question Number : 13 Question Id : 68634037994 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

The average of marks of 15 papers is 42. The average of marks of first 8 papers is 45 and that of the last 8 papers is 36. The marks of 8th paper are:

1. 15
2. 16
3. 17
4. 18

Options :

686340150049. 1
686340150050. 2
686340150051. 3
686340150052. 4

Question Number : 14 Question Id : 68634037995 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

10 years ago, the ratio of ages of Vikas and Amish was 1:3. If the ratio of their present ages is 3:5, then after five years the ratio of their ages will be:

1. 2:5
2. 2:3
3. 3:4
4. 5:7

Options :

686340150053. 1
686340150054. 2
686340150055. 3
686340150056. 4

Question Number : 14 Question Id : 68634037995 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

10 years ago, the ratio of ages of Vikas and Amish was 1:3. If the ratio of their present ages is 3:5, then after five years the ratio of their ages will be:

1. 2:5
2. 2:3
3. 3:4
4. 5:7

Options :

- 686340150053. 1
- 686340150054. 2
- 686340150055. 3
- 686340150056. 4

Question Number : 15 Question Id : 68634037996 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Sonu and Monu undertake to do a piece of work for ₹ 3,600. Sonu along can do it in 6 days while Monu alone can do it in 8 days. With the help of Ramu, they finish it in 3 days. The share of Ramu (in ₹) will be :

- 1. 1350
- 2. 900
- 3. 1200
- 4. 450

Options :

- 686340150057. 1
- 686340150058. 2
- 686340150059. 3
- 686340150060. 4

Question Number : 15 Question Id : 68634037996 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Sonu and Monu undertake to do a piece of work for ₹ 3,600. Sonu along can do it in 6 days while Monu alone can do it in 8 days. With the help of Ramu, they finish it in 3 days. The share of Ramu (in ₹) will be :

- 1. 1350
- 2. 900
- 3. 1200
- 4. 450

Options :

- 686340150057. 1
- 686340150058. 2
- 686340150059. 3
- 686340150060. 4

Question Number : 16 Question Id : 68634037997 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

There are 40 girls in a row. Muskan shifted her position 5 places to her left so that there are 10 girls to her left in the row. If Nisha was 4 places right to Muskan's original position, what is the Nisha's position from the Muskan's left side row end?

1. 18
2. 20
3. 22
4. 24

Options :

- 686340150061. 1
- 686340150062. 2
- 686340150063. 3
- 686340150064. 4

Question Number : 16 Question Id : 68634037997 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

There are 40 girls in a row. Muskan shifted her position 5 places to her left so that there are 10 girls to her left in the row. If Nisha was 4 places right to Muskan's original position, what is the Nisha's position from the Muskan's left side row end?

1. 18
2. 20
3. 22
4. 24

Options :

- 686340150061. 1
- 686340150062. 2
- 686340150063. 3
- 686340150064. 4

Question Number : 17 Question Id : 68634037998 Question Type : MCQ Option Shuffling : No 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 in a certain code, 15789 is written as EGKPT and 2436 is written as ALUR, how is 24539 written in that code?

1. ALGTU
2. ALEUT
3. ALGUT
4. ALGRT

Options :

- 686340150065. 1
- 686340150066. 2
- 686340150067. 3
- 686340150068. 4

Question Number : 17 Question Id : 68634037998 Question Type : MCQ Option Shuffling : No 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 in a certain code, 15789 is written as EGKPT and 2436 is written as ALUR, how is 24539 written in that code?

1. ALGTU
2. ALEUT
3. ALGUT
4. ALGRT

Options :

- 686340150065. 1
- 686340150066. 2
- 686340150067. 3
- 686340150068. 4

Question Number : 18 Question Id : 68634037999 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Statements : (i) All leaves are dim.

(ii) No dim is brush.

(iii) All tops are brushes.

Conclusions : I. Some tops are leaves.

II. Some dim is top.

III. Some dim is leaf.

IV. Some tops are brushes.

Choose the correct option from the following:

1. Only I and II follow

2. Only II and III follow

3. Only III and IV follow

4. Only I and IV follow

Options :

686340150069. 1

686340150070. 2

686340150071. 3

686340150072. 4

**Question Number : 18 Question Id : 68634037999 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

Statements : (i) All leaves are dim.

(ii) No dim is brush.

(iii) All tops are brushes.

Conclusions : I. Some tops are leaves.

II. Some dim is top.

III. Some dim is leaf.

IV. Some tops are brushes.

Choose the correct option from the following:

1. Only I and II follow

2. Only II and III follow

3. Only III and IV follow

4. Only I and IV follow

Options :

686340150069. 1

686340150070. 2

686340150071. 3

686340150072. 4

**Question Number : 19 Question Id : 68634038000 Question Type : MCQ Option Shuffling : No 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 letter from these matrices can be represented first by its row and then the column number.

Matrix-I

	0	1	2	3	4
0	F	A	N	O	I
1	I	O	F	A	N
2	A	N	O	I	F
3	O	F	I	N	A
4	N	I	A	F	O

Matrix-II

	5	6	7	8	9
5	S	E	J	B	T
6	H	S	E	T	B
7	B	T	S	E	H
8	E	H	T	B	S
9	T	S	E	H	B

Identify the correct set for the word FAITH :

1. 43, 42, 41, 78, 89
2. 31, 34, 23, 76, 79
3. 24, 31, 10, 59, 57
4. 12, 20, 40, 68, 65

Options :

- 686340150073. 1
- 686340150074. 2
- 686340150075. 3
- 686340150076. 4

Question Number : 19 Question Id : 68634038000 Question Type : MCQ Option Shuffling : No 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 letter from these matrices can be represented first by its row and then the column number.

Matrix-I

	0	1	2	3	4
0	F	A	N	O	I
1	I	O	F	A	N
2	A	N	O	I	F
3	O	F	I	N	A
4	N	I	A	F	O

Matrix-II

	5	6	7	8	9
5	S	E	J	B	T
6	H	S	E	T	B
7	B	T	S	E	H
8	E	H	T	B	S
9	T	S	E	H	B

Identify the correct set for the word FAITH :

1. 43, 42, 41, 78, 89
2. 31, 34, 23, 76, 79
3. 24, 31, 10, 59, 57
4. 12, 20, 40, 68, 65

Options :

686340150073. 1
686340150074. 2
686340150075. 3
686340150076. 4

Question Number : 20 Question Id : 68634038001 Question Type : MCQ Option Shuffling : No 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 pair that has the same relationship as the original pair of words given below :

Egg : Omelette

1. Dam : River
2. Student : Classroom
3. Onion : Jam
4. Clay : Pottery

Options :

686340150077. 1
686340150078. 2
686340150079. 3
686340150080. 4

**Question Number : 20 Question Id : 68634038001 Question Type : MCQ Option Shuffling : No 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 pair that has the same relationship as the original pair of words given below :

Egg : Omelette

1. Dam : River
2. Student : Classroom
3. Onion : Jam
4. Clay : Pottery

Options :

686340150077. 1
686340150078. 2
686340150079. 3
686340150080. 4

**Question Number : 21 Question Id : 68634038002 Question Type : MCQ Option Shuffling : No 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 article of the Indian constitution provides for the institution of Panchayati Raj?

1. Article 36
2. Article 39
3. Article 40
4. Article 48

Options :

686340150081. 1
686340150082. 2
686340150083. 3
686340150084. 4

**Question Number : 21 Question Id : 68634038002 Question Type : MCQ Option Shuffling : No 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 article of the Indian constitution provides for the institution of Panchayati Raj?

1. Article 36
2. Article 39
3. Article 40
4. Article 48

Options :

686340150081. 1
686340150082. 2
686340150083. 3
686340150084. 4

Question Number : 22 Question Id : 68634038003 Question Type : MCQ Option Shuffling : No 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 (Book Name)		LIST II (Author Name)	
A.	My Truth	I.	Mahatma Gandhi
B.	The Broken Wings	II.	Indira Gandhi
C.	My Experiments with Truth	III.	Sarojini Naidu
D.	Exam Warriors	IV.	Narendra Modi

Choose the correct answer from the options given below:

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

Options :

686340150085. 1
686340150086. 2
686340150087. 3
686340150088. 4

Question Number : 22 Question Id : 68634038003 Question Type : MCQ Option Shuffling : No 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 (Book Name)		LIST II (Author Name)	
A.	My Truth	I.	Mahatma Gandhi
B.	The Broken Wings	II.	Indira Gandhi
C.	My Experiments with Truth	III.	Sarojini Naidu
D.	Exam Warriors	IV.	Narendra Modi

Choose the correct answer from the options given below:

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

Options :

686340150085. 1
686340150086. 2
686340150087. 3
686340150088. 4

Question Number : 23 Question Id : 68634038004 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Who was the first Indian women to win gold in Asian games ?

1. P.T. Usha
2. Shing Wilson
3. Kamaljeet Sandhu
4. Shweta Chaudhary

Options :

686340150089. 1
686340150090. 2
686340150091. 3
686340150092. 4

Question Number : 23 Question Id : 68634038004 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Who was the first Indian women to win gold in Asian games ?

1. P.T. Usha
2. Shing Wilson
3. Kamaljeet Sandhu
4. Shweta Chaudhary

Options :

686340150089. 1
686340150090. 2
686340150091. 3
686340150092. 4

Question Number : 24 Question Id : 68634038005 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Give below are two statements : One is labelled as **Assertion A** and the other is labelled as **Reason R**:

Assertion A : Radio waves bend in a magnetic field.

Reason R : Radio waves are electromagnetic in nature.

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 not false but R is true

Options :

686340150093. 1
686340150094. 2
686340150095. 3
686340150096. 4

Question Number : 24 Question Id : 68634038005 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Give below are two statements : One is labelled as **Assertion A** and the other is labelled as **Reason R**:

Assertion A : Radio waves bend in a magnetic field.

Reason R : Radio waves are electromagnetic in nature.

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 not false but R is true

Options :

686340150093. 1

686340150094. 2

686340150095. 3

686340150096. 4

Question Number : 25 Question Id : 68634038006 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Give below are two statements:

Statement I : Dolomite is used as refractory material and flux in iron and steel industry.

Statement II : Lignite and low grade bituminous coal were formed during the quaternary period.

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 :

686340150097. 1

686340150098. 2

686340150099. 3

686340150100. 4

Question Number : 25 Question Id : 68634038006 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Give below are two statements:

Statement I : Dolomite is used as refractory material and flux in iron and steel industry.

Statement II : Lignite and low grade bituminous coal were formed during the quaternary period.

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 :

686340150097. 1
686340150098. 2
686340150099. 3
686340150100. 4

Part B: Bioinformatics

Section Id :	686340748
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 :	6863401251
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 26 Question Id : 68634038007 Question Type : MCQ Option Shuffling : No 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 rank of matrix A is 2 then the value of x is:

$$\text{Given, } A = \begin{bmatrix} 1 & 5 & 4 \\ 0 & 3 & 2 \\ x & 13 & 10 \end{bmatrix}$$

1. 0
2. $\frac{1}{2}$
3. 1
4. 2

Options :

- 686340150101. 1
- 686340150102. 2
- 686340150103. 3
- 686340150104. 4

Question Number : 26 Question Id : 68634038007 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि आव्यूह A की श्रेणी (रैंक) 2 है तो, x का मान होगा:

दिया है, $A = \begin{bmatrix} 1 & 5 & 4 \\ 0 & 3 & 2 \\ x & 13 & 10 \end{bmatrix}$

1. 0

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

3. 1

4. 2

Options :

- 686340150101. 1
- 686340150102. 2
- 686340150103. 3
- 686340150104. 4

Question Number : 27 Question Id : 68634038008 Question Type : MCQ Option Shuffling : No 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 two monosaccharides which differ from each other in their configuration around a single specific carbon atom are known as:

1. Enantiomers

2. Epimers

3. Tautomers

4. Carbamers

Options :

- 686340150105. 1
- 686340150106. 2
- 686340150107. 3
- 686340150108. 4

Question Number : 27 Question Id : 68634038008 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

दो मोनोसैकेराइड्स जो एक दूसरे से एक विशिष्ट कार्बन परमाणु के विन्यास के द्वारा भिन्न हैं, कहलाते हैं:

1. इनेनशीओमर्स
2. एपिमर्स
3. टॉटोमर्स
4. कारबामर्स

Options :

686340150105. 1
686340150106. 2
686340150107. 3
686340150108. 4

Question Number : 28 Question Id : 68634038009 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Viruses are appropriately termed as:

1. Facultative extracellular parasites
2. Obligate extracellular parasites
3. Facultative intracellular parasites
4. Obligate intracellular parasites

Options :

686340150109. 1
686340150110. 2
686340150111. 3
686340150112. 4

Question Number : 28 Question Id : 68634038009 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

विषाणुओं को समुचित रूप से जाना जाता है:

1. ऐच्छिक (फैकल्टेटिव) बाह्य कोशिकीय परजीवी
2. बाध्य (ऑब्लिगेट) बाह्य कोशिकीय परजीवी
3. ऐच्छिक अन्तः कोशिकीय परजीवी
4. बाध्य अन्तः कोशिकीय परजीवी

Options :

686340150109. 1
686340150110. 2
686340150111. 3
686340150112. 4

Question Number : 29 Question Id : 68634038010 Question Type : MCQ Option Shuffling : No 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 option for hit theory:

1. Survival curve analysed by a simple mathematical theory
2. Survival curve analysed by a simple chemical theory
3. Survival curve analysed by a simple biological theory
4. Survival curve analysed by a simple photonics theory

Options :

- 686340150113. 1
- 686340150114. 2
- 686340150115. 3
- 686340150116. 4

Question Number : 29 Question Id : 68634038010 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

हिट सिद्धान्त के लिए सही विकल्प का चयन कीजिए:

1. एक साधारण गणितीय सिद्धान्त द्वारा उत्तरजीविता (सर्वाइवल) वक्र का विश्लेषण
2. एक साधारण रासायनिक सिद्धान्त द्वारा सर्वाइवल वक्र का विश्लेषण
3. एक साधारण जैव वैज्ञानिक सिद्धान्त द्वारा सर्वाइवल वक्र का विश्लेषण
4. एक साधारण फोटोनिक्स सिद्धान्त द्वारा सर्वाइवल वक्र का विश्लेषण

Options :

- 686340150113. 1
- 686340150114. 2
- 686340150115. 3
- 686340150116. 4

Question Number : 30 Question Id : 68634038011 Question Type : MCQ Option Shuffling : No 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 process is related to X-ray crystallography:

1. Interference
2. Diffraction
3. Polarization
4. Reflection

Options :

- 686340150117. 1
- 686340150118. 2
- 686340150119. 3
- 686340150120. 4

Question Number : 30 Question Id : 68634038011 Question Type : MCQ Option Shuffling : No 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-सी प्रक्रिया X-रे क्रिस्टलोग्राफी से संबंधित है?

1. हस्तक्षेप (इंटरफेरेन्स)
2. विवर्तन (डिफ्रेक्शन)
3. ध्रुवीकरण (पोलराइजेशन)
4. परावर्तन (रिफ्लेक्शन)

Options :

686340150117. 1
686340150118. 2
686340150119. 3
686340150120. 4

Question Number : 31 Question Id : 68634038012 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

How many destructor(s) are allowed in a class:

1. 0
2. 1
3. 2
4. 3

Options :

686340150121. 1
686340150122. 2
686340150123. 3
686340150124. 4

Question Number : 31 Question Id : 68634038012 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

एक वर्ग (क्लास) में कितने डिस्ट्रक्टर अनुमेय हैं?

1. 0
2. 1
3. 2
4. 3

Options :

686340150121. 1
686340150122. 2

686340150123. 3

686340150124. 4

Question Number : 32 Question Id : 68634038013 Question Type : MCQ Option Shuffling : No 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 boolean operator used in retrieving a protein found in *Homo sapiens* and belongs to Insulin family from a biological database is:

1. AND

2. OR

3. NOT

4. None

Options :

686340150125. 1

686340150126. 2

686340150127. 3

686340150128. 4

Question Number : 32 Question Id : 68634038013 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि एक प्रोटीन, जो *होमो सेपियंस* प्रजाति में पाई जाती है और इंसुलिन से संबंध रखती है, की जैव वैज्ञानिक डेटाबेस से पुनः प्राप्त करनी है तो इसके लिए जो बुलियन प्रचालक (ऑपरेटर) प्रयोग में होता है, वह है:

1. AND

2. OR

3. NOT

4. कोई नहीं (None)

Options :

686340150125. 1

686340150126. 2

686340150127. 3

686340150128. 4

Question Number : 33 Question Id : 68634038014 Question Type : MCQ Option Shuffling : No 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: Organic solvent such as alcohol are good protein precipitating agents.

Reason R: Alcohol dehydrate the protein molecule by removing the water envelope and cause precipitation.

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 :

686340150129. 1

686340150130. 2

686340150131. 3

686340150132. 4

Question Number : 33 Question Id : 68634038014 Question Type : MCQ Option Shuffling : No 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 : कार्बनिक विलायक, जैसे एल्कोहल, अच्छे प्रोटीन अवक्षेपी कारक होते हैं।

कारण R : एल्कोहल प्रोटीन अणु से जल आवरण को हटाकर उसे निर्जलीकृत और ठोस (अवक्षेपित) कर देता है।

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

1. A और R दोनों सही हैं और R, A की सही व्याख्या है
2. A और R दोनों सही हैं, 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 :

686340150129. 1

686340150130. 2

686340150131. 3

686340150132. 4

Question Number : 34 Question Id : 68634038015 Question Type : MCQ Option Shuffling : No 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 immunity which comes under naturally acquired passive immunity is against:

A. Yellow fever

B. Chicken pox

C. Diphtheria

D. Rubella

Choose the correct answer from the options given below:

1. A and B only

2. B and C only

3. C and D only

4. D and A only

Options :

686340150133. 1

686340150134. 2

686340150135. 3

686340150136. 4

Question Number : 34 Question Id : 68634038015 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

वह प्रतिरक्षा, जो प्राकृतिक अर्जित निष्क्रिय प्रतिरक्षा के अन्तर्गत आती है, _____ से रक्षा करती है:

A. पीत बुखार (यैलो फीवर)

B. चिकनपॉक्स

C. डिप्थीरिया

D. रूबेला

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

1. केवल A और B

2. केवल B और C

3. केवल C और D

4. केवल A और D

Options :

686340150133. 1

686340150134. 2
686340150135. 3
686340150136. 4

Question Number : 35 Question Id : 68634038016 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

Assertion A: The total of all the genetic information in an organism is known as genome of the organism

Reason R: A gene mutation involves a change in the sequence of bases of a particular gene.

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 :

686340150137. 1
686340150138. 2
686340150139. 3
686340150140. 4

Question Number : 35 Question Id : 68634038016 Question Type : MCQ Option Shuffling : No 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 : एक जीव के समस्त आनुवंशिक सूचनाओं का योग, जीव का जीनोम कहलाता है।

कारण R : जीन उत्परिवर्तन में एक विशिष्ट जीन के क्षारों के क्रम में परिवर्तन सम्मिलित होते हैं।

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

1. A और R दोनों सही हैं और R, A की सही व्याख्या है
2. A और R दोनों सही हैं, 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 :

686340150137. 1
686340150138. 2
686340150139. 3
686340150140. 4

Question Number : 36 Question Id : 68634038017 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

Assertion A: The nature of metallic bond is not purely electrostatic.

Reason R: Generally metallic bond is a result of simultaneous attraction of an electron by two or more than two positive ions of the metal.

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 :

686340150141. 1

686340150142. 2

686340150143. 3

686340150144. 4

Question Number : 36 Question Id : 68634038017 Question Type : MCQ Option Shuffling : No 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 : धात्विक आबंधों की प्रकृति विशुद्ध रूप से इलेक्ट्रोस्टैटिक नहीं होती।

कारण R : सामान्यतः धात्विक आबंध एक इलेक्ट्रॉन का धातु के दो या दो से अधिक धनावेशित आयनों के समक्षणिक संकर्षण का परिणाम 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 :

686340150141. 1

686340150142. 2

686340150143. 3

686340150144. 4

Question Number : 37 Question Id : 68634038018 Question Type : MCQ Option Shuffling : No 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: Data visualization refers to the graphical representation of information and data using visual elements like maps, graphs and charts.

Reason R: To install matplotlib we can use the command "pip install matplotlib"

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 :

686340150145. 1

686340150146. 2

686340150147. 3

686340150148. 4

Question Number : 37 Question Id : 68634038018 Question Type : MCQ Option Shuffling : No 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 : डेटा प्रत्यक्षकरण का सन्दर्भ, सूचनाओं और डेटा का मानचित्र, ग्राफ और चार्ट्स जैसे दृश्य साधनों के प्रयोग द्वारा ग्राफीय निरूपण (अभिव्यक्ति) से है।

कारण R : matplotlib इंस्टाल करने के लिए हम निर्देश 'Pip install matplotlib' का प्रयोग कर सकते हैं।

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

1. A और R दोनों सही हैं और R, A की सही व्याख्या है
2. A और R दोनों सही हैं, 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 :

686340150145. 1

686340150146. 2
686340150147. 3
686340150148. 4

Question Number : 38 Question Id : 68634038019 Question Type : MCQ Option Shuffling : No 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: Stack is required to support the recursion.

Reason R: 'C' programming language does not support recursion.

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

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

Options :

686340150149. 1
686340150150. 2
686340150151. 3
686340150152. 4

Question Number : 38 Question Id : 68634038019 Question Type : MCQ Option Shuffling : No 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 : पुनरावर्तन (रिकर्शन) के समर्थन के लिए स्टैक की आवश्यकता होती है।

कारण R : 'C' क्रमादेशन (प्रोग्रामिंग) भाषा पुनरावर्तन को सपोर्ट नहीं करती।

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 :

686340150149. 1

686340150150. 2

686340150151. 3

686340150152. 4

Question Number : 39 Question Id : 68634038020 Question Type : MCQ Option Shuffling : No 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: A class is defined in C++ using the keyword 'Class' followed by name of the class.

Statement II: The body of the class in C++, is defined inside the curly brackets({) and not terminated by a semicolon (;) at the end.

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 and Statement II are false
4. Statement I is false and Statement II are true

Options :

686340150153. 1

686340150154. 2

686340150155. 3

686340150156. 4

Question Number : 39 Question Id : 68634038020 Question Type : MCQ Option Shuffling : No 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 : C++ में 'क्लास' को परिभाषित करने के लिए संकेत शब्द (की वर्ड) 'क्लास' के बाद, क्लास के नाम का प्रयोग किया जाता है।

कथन II : C++ में क्लास की बॉडी, तिरछे कोष्ठक ({}) में परिभाषित की जाती है तथा अन्त में अर्धविराम (;) का प्रयोग नहीं किया जाता है।

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

1. कथन I और II दोनों सत्य हैं
2. कथन I और II दोनों असत्य हैं
3. कथन I सत्य है, लेकिन कथन II असत्य है
4. कथन I असत्य है, लेकिन कथन II सत्य है

Options :

686340150153. 1
686340150154. 2
686340150155. 3
686340150156. 4

Question Number : 40 Question Id : 68634038021 Question Type : MCQ Option Shuffling : No 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: There is a need for naming genes, reannotating genes and proteins, organise information and provide terminology to catalogue and retrieve information.

Reason R: Uncontrolled vocabulary is developed to organize information and provide terminology to catalogue and retrieve information.

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 :

- 686340150157. 1
- 686340150158. 2
- 686340150159. 3
- 686340150160. 4

Question Number : 40 Question Id : 68634038021 Question Type : MCQ Option Shuffling : No 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 : जीनों को अनुसूचित करने और सूचनाओं की पुनर्प्राप्ति के लिए, उनके नामकरण, जीनों और प्रोटीनों के पुनर्लेखन, सूचनाओं के प्रबन्धन एवं शब्दावली की उपलब्धता कराने की आवश्यकता है।

कारण R : सूचनाओं को व्यवस्थित करने, उन्हें सूचीबद्ध करने एवं उनकी पुनःप्राप्ति के लिए, अनियंत्रित शब्दावली विकसित की गई 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 :

- 686340150157. 1
- 686340150158. 2
- 686340150159. 3
- 686340150160. 4

Question Number : 41 Question Id : 68634038022 Question Type : MCQ Option Shuffling : No 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 is NOT correct?

1. 61 codons corresponds to amino acids
2. 4 codons are the signals
3. 3 stop codons are UAA, UAG and UGA
4. 1 start codon is AAA

Options :

- 686340150161. 1
- 686340150162. 2
- 686340150163. 3
- 686340150164. 4

Question Number : 41 Question Id : 68634038022 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

इनमें से क्या सही नहीं है?

1. 61 प्रकृत अमीनो अम्लों से संबंधित होते हैं।
2. 4 प्रकृत संकेती होते हैं।
3. 3 समापक प्रकृत हैं UAA, UAG और UGA।
4. AAA एक प्रारंभक प्रकृत है।

Options :

- 686340150161. 1
- 686340150162. 2
- 686340150163. 3
- 686340150164. 4

Question Number : 42 Question Id : 68634038023 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Function overloading is an example of:

1. Polymorphism
2. Encapsulation
3. Abstraction
4. Inheritance

Options :

- 686340150165. 1
- 686340150166. 2
- 686340150167. 3
- 686340150168. 4

Question Number : 42 Question Id : 68634038023 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

फलन अतिभारण (Function overloading) एक उदाहरण है:

1. बहुरूपता (पॉलीमॉर्फिज्म) का
2. कैप्सूलिकरण (एनकैप्सूलेशन) का
3. अमूर्तता (संक्षेपीकरण - एब्स्ट्रैक्शन) का
4. आनुवंशिकी (इन्हेरिटेंस) का

Options :

- 686340150165. 1
- 686340150166. 2

686340150167. 3

686340150168. 4

Question Number : 43 Question Id : 68634038024 Question Type : MCQ Option Shuffling : No 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 given steps in BLAST procedure using a hypothetical 'Query' in order of their occurrence

A. Calculate sums of match scores based on substitution matrix for the matched 'word'.

B. Find the database sequence corresponding to the best word match and extend alignment in both directions.

C. Creation of every three residue words from the query sequence and scan them for searching in BLAST word database.

D. Determine high scored segment above threshold.

E. Input query sequence.

Choose the correct answer from the options given below:

1. E, A, B, C, D

2. E, D, C, A, B

3. E, C, A, B, D

4. E, B, D, A, C

Options :

686340150169. 1

686340150170. 2

686340150171. 3

686340150172. 4

Question Number : 43 Question Id : 68634038024 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

BLAST(ब्लास्ट) प्रक्रिया में एक काल्पित 'केरी'(प्रतिप्रश्न) के प्रयोग द्वारा दिए गए चरणों को उनके घटित होने के क्रम में व्यवस्थित कीजिये:

- A. मिलान(मैच) कर गए शब्दों के लिए प्रतिस्थापन आव्यूह(मेट्रिक्स) के आधार पर मिलान अंकों के योग का परिकलन करना
- B. श्रेष्ठ मिलान वाले शब्द के लिए संगत डाटाबेस अनुक्रम का पता लगाना और दोनों दिशाओं में संरेखण को विस्तारित करना
- C. केरी अनुक्रम से प्रति दिन अवशिष्ट शब्दों को निर्मित करके BLAST(ब्लास्ट) वर्ड डाटाबेस में खोजने के लिए उनका अनुवीक्षण (स्केनिंग) करना
- D. उच्च अंक के खंड की प्रभावसीमा(थ्रेशहोल्ड) का निर्धारण करना
- E. केरी (प्रतिप्रश्न) अनुक्रम को निविष्ट (इनपुट) करना।

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

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

Options :

686340150169. 1
686340150170. 2
686340150171. 3
686340150172. 4

Question Number : 44 Question Id : 68634038025 Question Type : MCQ Option Shuffling : No 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: Fasta format for sequence representation starts with '>' greater than sign.

Statement II: Fasta format for sequence representation starts with '+' plus sign often.

In the light of the above statements, choose the correct 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 and Statement II is incorrect
4. Statement I is incorrect and Statement II is correct

Options :

686340150173. 1
686340150174. 2
686340150175. 3
686340150176. 4

Question Number : 44 Question Id : 68634038025 Question Type : MCQ Option Shuffling : No 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 : फास्टा (fasta) प्रारूप, जो अनुक्रम अभिव्यक्ति के लिए होता है, '>' चिह्न से प्रारम्भ होता है।

कथन II : फास्टा प्रारूप, जो अनुक्रम अभिव्यक्ति के लिए होता है, प्रायः '+' चिह्न से प्रारम्भ होता है।

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

1. कथन I और II दोनों सत्य हैं
2. कथन I और II दोनों असत्य हैं
3. कथन I सत्य है, लेकिन कथन II असत्य है
4. कथन I असत्य है, लेकिन कथन II सत्य है

Options :

686340150173. 1

686340150174. 2

686340150175. 3

686340150176. 4

Question Number : 45 Question Id : 68634038026 Question Type : MCQ Option Shuffling : No 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: Metagenomics deals with sequencing and analysis of DNA from organisms that can be cultured in laboratory.

Statement II: Metagenomics deals with sequencing and analysis of DNA from organisms collected from environmental samples.

In the light of the above statements, choose the correct 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 and Statement II is incorrect
4. Statement I is incorrect and Statement II is correct

Options :

686340150177. 1

686340150178. 2

686340150179. 3

686340150180. 4

Question Number : 45 Question Id : 68634038026 Question Type : MCQ Option Shuffling : No 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 : मेटाजीनोमिक्स में उन जीवों के DNA का अनुक्रमण और विश्लेषण किया जाता है, जिन्हें प्रयोगशाला में संसाधित किया जा सकता है।

कथन II : मेटाजीनोमिक्स में उन जीवों के DNA का अनुक्रम और विश्लेषण किया जाता है, जिनके नमूने पर्यावरण से एकत्रित किए गए हों।

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 :

686340150177. 1

686340150178. 2

686340150179. 3

686340150180. 4

Question Number : 46 Question Id : 68634038027 Question Type : MCQ Option Shuffling : No 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 of the following:

- A. Antibodies are fibrous proteins.
- B. Keratin is a fibrous protein.
- C. Keratin is a globular protein.
- D. Antibodies are globular proteins.
- E. Keratin is found in hair, wool, nails etc.

Choose the correct answer from the options given below:

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

Options :

686340150181. 1
686340150182. 2
686340150183. 3
686340150184. 4

Question Number : 46 Question Id : 68634038027 Question Type : MCQ Option Shuffling : No 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 सही कथन हैं:

- A. प्रतिरक्षी रेशायुक्त प्रोटीन हैं।
- B. केराटिन एक रेशायुक्त प्रोटीन है।
- C. केराटिन एक गोलाकार (ग्लोबूलर) प्रोटीन है।
- D. प्रतिरक्षी ग्लोबुलर प्रोटीन हैं।
- E. केराटिन बाल, ऊन और नाखून आदि में पाई जाती है।

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

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

Options :

686340150181. 1
686340150182. 2
686340150183. 3
686340150184. 4

Question Number : 47 Question Id : 68634038028 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Correct statements are:

- A. Bioinformatics is an alternative to wet lab.
- B. Bioinformatics is an complimentary to wet lab.
- C. Bioinformatics is faster and cheaper than wet lab.
- D. Bioinformatics is an integrated discipline combining inputs from multiple branches.
- E. Bioinformatics is called as dry lab.

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

Options :

686340150185. 1

686340150186. 2
686340150187. 3
686340150188. 4

Question Number : 47 Question Id : 68634038028 Question Type : MCQ Option Shuffling : No 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 सही कथन हैं:

- A. जैवसूचनाविज्ञान वैट लैब का एक विकल्प है।
- B. जैवसूचनाविज्ञान वैट लैब का पूरक है।
- C. जैवसूचनाविज्ञान वैट लैब की अपेक्षा तीव्र और सस्ता है।
- D. जैवसूचनाविज्ञान एक समेकित अध्ययन विषय है जो अनेक शाखाओं से सूचनाओं (इनपुट्स) का संयोजन करता है।
- E. जैवसूचनाविज्ञान को शुष्क लैब भी कहा जाता है।

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

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

Options :

686340150185. 1
686340150186. 2
686340150187. 3
686340150188. 4

Question Number : 48 Question Id : 68634038029 Question Type : MCQ Option Shuffling : No 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.	David Lipmann	I.	3D structure of DNA
B.	Margaret Oakley Dayhoff	II.	Credited with making fasta format
C.	Pearson	III.	Former director of NCBI
D.	Watson & Crick	IV.	Credited with making first database atlas of protein sequence and structure

Choose the correct answer from the options given below:

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

Options :

686340150189. 1
686340150190. 2
686340150191. 3
686340150192. 4

Question Number : 48 Question Id : 68634038029 Question Type : MCQ Option Shuffling : No 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.	डेविड लिपमन	I.	डीएनए की 3-D संरचना
B.	मार्ग्रेट ऑकले डेहॉफ	II.	फास्टा प्रारूप को बनाने का श्रेय
C.	पीयरसन	III.	NCBI के पूर्व निदेशक थे
D.	वाटसन और क्रिक	IV.	प्रोटीन अनुक्रम और संरचना के पहले डेटा बेस मानचित्रावली को बनाने का श्रेय

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

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

Options :

686340150189. 1
686340150190. 2
686340150191. 3
686340150192. 4

Question Number : 49 Question Id : 68634038030 Question Type : MCQ Option Shuffling : No 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 known to speak truth 4 times out of 5. He throws a dice and reports that it is a four. The probability that it is exactly a four is:

1. $\frac{4}{9}$
2. $\frac{3}{8}$
3. $\frac{5}{9}$
4. $\frac{5}{8}$

Options :

686340150193. 1
686340150194. 2
686340150195. 3
686340150196. 4

**Question Number : 49 Question Id : 68634038030 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

एक व्यक्ति 5 बार में से 4 बार सत्य बोलता है। वह एक पासा (डाइस) फेंकता है, और कहता है कि यह 'चार' है। इसके ठीक 'चार' होने की प्रायिकता है:

1. $\frac{4}{9}$

2. $\frac{3}{8}$

3. $\frac{5}{9}$

4. $\frac{5}{8}$

Options :

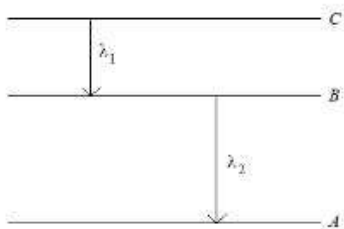
686340150193. 1
686340150194. 2
686340150195. 3
686340150196. 4

**Question Number : 50 Question Id : 68634038031 Question Type : MCQ Option Shuffling : No 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, B, C are the first, second and third excited states of an electron respectively (as shown in figure). λ_1 and λ_2 are the wavelengths corresponding two different

transitions. The value of $\frac{\lambda_1}{\lambda_2}$ is:



1. $\frac{5}{4}$

2. $\frac{7}{5}$

3. $\frac{20}{7}$

4. $\frac{36}{7}$

Options :

686340150197. 1

686340150198. 2

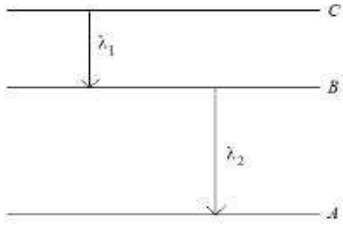
686340150199. 3

686340150200. 4

Question Number : 50 Question Id : 68634038031 Question Type : MCQ Option Shuffling : No 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, B, और C इलेक्ट्रान की क्रमशः पहली, दूसरी और तीसरी उत्तेजित अवस्थाएं है (जैसा कि चित्र में दिखाया गया है)



λ_1 और λ_2 दो भिन्न परिवर्तनों की सम्बंधित तरंगदैर्घ्य हैं। $\frac{\lambda_1}{\lambda_2}$ का मान है:

1. $\frac{5}{4}$
2. $\frac{7}{5}$
3. $\frac{20}{7}$
4. $\frac{36}{7}$

Options :

686340150197. 1
686340150198. 2
686340150199. 3
686340150200. 4

Question Number : 51 Question Id : 68634038032 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Monokine is a biologically active substance secreted by macrophages, which activates the T-cells and it is also known as:

1. Interleukine- 1
2. Interleukine- 2
3. Interleukine- 3
4. Interleukine- 4

Options :

686340150201. 1
686340150202. 2
686340150203. 3
686340150204. 4

Question Number : 51 Question Id : 68634038032 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

मोनोकाइन एक जैव सक्रिय पदार्थ है, जो वृद्ध भक्षक कोशिका से स्रावित होता है और T - कोशिकाओं को भी सक्रिय करता है, इसे जाना जाता है:

1. इंटरल्यूकाइन-1
2. इंटरल्यूकाइन-2
3. इंटरल्यूकाइन-3
4. इंटरल्यूकाइन-4

Options :

- 686340150201. 1
- 686340150202. 2
- 686340150203. 3
- 686340150204. 4

Question Number : 52 Question Id : 68634038033 Question Type : MCQ Option Shuffling : No 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 segment which codes for RNA which inturn may or may not code for protein can be defined as:

1. Codon
2. Genetic code
3. Gene
4. Base pairs

Options :

- 686340150205. 1
- 686340150206. 2
- 686340150207. 3
- 686340150208. 4

Question Number : 52 Question Id : 68634038033 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

डीएनए का खंड जो आर एन ए को कोड करता है और वह आर एन ए आगे प्रोटीन बनाए या न बनाए यह निश्चित नहीं है वह कहलाता है:

1. प्रकूट
2. आनुवंशिक कूट
3. जीन
4. क्षार युग्म

Options :

- 686340150205. 1
- 686340150206. 2

686340150207. 3

686340150208. 4

Question Number : 53 Question Id : 68634038034 Question Type : MCQ Option Shuffling : No 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 single beam spectrophotometer measures relative light intensity of the beam:

1. after a test sample is inserted
2. before a test sample is inserted
3. before or after a test sample is inserted
4. before and after a test sample is inserted

Options :

686340150209. 1

686340150210. 2

686340150211. 3

686340150212. 4

Question Number : 53 Question Id : 68634038034 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

एकल बीम वर्णक्रममापी द्वारा बीम की आपेक्षिक प्रकाश तीव्रता का मापन किया जाता है:

1. जाँच के नमूने को डालने के पश्चात
2. जाँच के नमूने को डालने से पूर्व
3. जाँच के नमूने को डालने के पहले या पश्चात
4. जाँच के नमूने को डालने से पहले और बाद में

Options :

686340150209. 1

686340150210. 2

686340150211. 3

686340150212. 4

Question Number : 54 Question Id : 68634038035 Question Type : MCQ Option Shuffling : No 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 $(1 AB)_{16} = (X)_8$ then the value of X is:

1. 215
2. 427
3. 327
4. 227

Options :

686340150213. 1
686340150214. 2
686340150215. 3
686340150216. 4

Question Number : 54 Question Id : 68634038035 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि $(1AB)_{16} = (X)_8$ है, तो X का मान होगा:

1. 215

2. 427

3. 327

4. 227

Options :

686340150213. 1
686340150214. 2
686340150215. 3
686340150216. 4

Question Number : 55 Question Id : 68634038036 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Gene Ontology provides information about:

1. Cellular location, cell function, biochemical pathway

2. 3D structure coordinates

3. Evolutionary relationship

4. Homology

Options :

686340150217. 1
686340150218. 2
686340150219. 3
686340150220. 4

Question Number : 55 Question Id : 68634038036 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

जीन ओन्टोलोजी _____ के बारे में सूचना प्रदान करता है।

1. कोशिकीय स्थिति, कोशिका कार्य, जैव रासायनिक पथ
2. 3-D संरचना निर्देशांक
3. विकासवादी संबंध
4. अनुरूपता

Options :

686340150217. 1
686340150218. 2
686340150219. 3
686340150220. 4

Question Number : 56 Question Id : 68634038037 Question Type : MCQ Option Shuffling : No 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: Heavy metals such as arsenic, antimony and cadmium etc., can cause heavy metal poisoning.

Reason R: The heavy metals cause 1) Displacement of essential cation 2) Enzyme inactivation 3) Formation of reactive oxygen species (ROS)

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 :

686340150221. 1
686340150222. 2
686340150223. 3
686340150224. 4

Question Number : 56 Question Id : 68634038037 Question Type : MCQ Option Shuffling : No 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 : भारी धातुएँ जैसे आर्सेनिक, एन्टीमनी और केडमियम के कारण भारी धातु विषाक्तता हो सकती है।

कारण R : भारी धातुएँ कारक होती हैं:

1. एक आवश्यक कैटायन के विस्थापन की
2. एंजाइम निष्क्रियकरण की
3. सक्रिय ऑक्सीजन स्पीशीज के निर्माण (ROS) की

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 :

686340150221. 1
686340150222. 2
686340150223. 3
686340150224. 4

Question Number : 57 Question Id : 68634038038 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Steps for computer to accept input from the keyboard:

- A. Keyboard controller sends scan code for the key to the keyboard buffer
- B. System software reads the scan code from the keyboard buffer
- C. Key is pressed on the keyboard
- D. System software responds to the interrupt
- E. Keyboard buffer sends interrupt request to the system software

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

Options :

686340150225. 1
686340150226. 2

686340150227. 3

686340150228. 4

Question Number : 57 Question Id : 68634038038 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

की बोर्ड से कम्प्यूटर के इनपुट स्वीकार करने के चरणों का सही क्रम है:

- A. की बोर्ड नियंत्रक, बटन (की) के स्कैनकोड को कीबोर्ड बफर को भेजता है।
- B. सिस्टम सॉफ्टवेयर, कीबोर्ड बफर से, स्कैन कोड को पढ़ता है।
- C. कीबोर्ड पर बटन को दबाया जाता है।
- D. सिस्टम सॉफ्टवेयर व्यवधान को प्रत्युत्तर करता है।
- E. कीबोर्ड बफर व्यवसाधन निवेदन को सिस्टम सॉफ्टवेयर को भेजता है।

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

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

Options :

686340150225. 1

686340150226. 2

686340150227. 3

686340150228. 4

Question Number : 58 Question Id : 68634038039 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Pointer operators in `C++` are:

- A. Bitwise operator (<<)
- B. Relational operator (<)
- C. Address of operator (&)
- D. Logical operator (&&)
- E. The indirection operator/ Dereference operator (*)

Choose the appropriate answer from the options given below:

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

Options :

686340150229. 1

686340150230. 2

686340150231. 3

686340150232. 4

Question Number : 58 Question Id : 68634038039 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

C++ में पाइन्डर अपरेटर्स हैं:

- A. बिटवाइज अपरेटर (<<)
- B. रिलेशनल अपरेटर (<)
- C. अपरेटर का एंड्रेस (&)
- D. लॉजिकल अपरेटर (&&)
- E. अप्रत्यक्ष अपरेटर/डिरेक्ट अपरेटर (*)

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

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

Options :

686340150229. 1

686340150230. 2

686340150231. 3

686340150232. 4

Question Number : 59 Question Id : 68634038040 Question Type : MCQ Option Shuffling : No 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: Proteins are made up of alpha amino acids

Reason R: During denaturation, secondary and tertiary structure of proteins are destroyed.

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 :

686340150233. 1

686340150234. 2

686340150235. 3

Question Number : 59 Question Id : 68634038040 Question Type : MCQ Option Shuffling : No 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 : प्रोटीन एल्फा अमीनो अम्लों से बनी होती हैं।

कारण R : विकृतिकरण (डिनेचुरेशन) के दौरान प्रोटीन की द्वितीयक और तृतीयक संरचनाएं नष्ट हो जाती हैं।

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

1. A और R दोनों सही हैं और R, A की सही व्याख्या है
2. A और R दोनों सही हैं, 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 :

- 686340150233. 1
- 686340150234. 2
- 686340150235. 3
- 686340150236. 4

Question Number : 60 Question Id : 68634038041 Question Type : MCQ Option Shuffling : No 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: Pore size in the matrix used for gel electrophoresis ranges between 50 and 200 nm.

Reason R: Pore size of agarose gel depends on concentration of agarose.

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

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

Options :

- 686340150237. 1
- 686340150238. 2

686340150239. 3

686340150240. 4

Question Number : 60 Question Id : 68634038041 Question Type : MCQ Option Shuffling : No 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 : जेल इलेक्ट्रोफोरेसिस में प्रयोग की जाने वाली आधात्री में छिद्रों का आकार 50 से 200 nm के रेंज में होती है।

कारण R : ऐगरोज जेल के छिद्रों का आकार ऐगरोज की सांद्रता पर निर्भर करता 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 :

686340150237. 1

686340150238. 2

686340150239. 3

686340150240. 4

Question Number : 61 Question Id : 68634038042 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Various steps in FASTA alignment user input sequence through FASTA algorithm are:

- A. Input sequences to be compared
- B. Find the matching word of three residues in order
- C. Construction of hashing table
- D. Establishment of alignment between sequences
- E. Identify residues with same offset values

Choose the correct answer from the options given below:

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

Options :

- 686340150241. 1
- 686340150242. 2
- 686340150243. 3
- 686340150244. 4

Question Number : 61 Question Id : 68634038042 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

फास्टा एल्गोरिदम के माध्यम से फास्टा सरिखण के उपयोगकर्ता इनपुट अनुक्रम के विभिन्न चरण हैं:

- A. निविष्ट (इनपुट) अनुक्रमों की तुलना करना
- B. तीन अवशेषों के क्रम में मिलते-जुलते शब्दों का पता लगाना
- C. छॉटनेवाली तालिका (हैशिंग टेबल) की रचना करना (बनाना)
- D. अनुक्रमों के बीच सरिखण की स्थापना करना
- E. समान मान वाले ऑफसेट्स से अवशेषों की पहचान करना

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

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

Options :

- 686340150241. 1
- 686340150242. 2
- 686340150243. 3
- 686340150244. 4

Question Number : 62 Question Id : 68634038043 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements:

Statement I: In regular expression for representing a hypothetical conserved protein motif E-B(2)-[ABC]-L, [ABC] can be interpreted as any of A, B or C could be present in that particular position of motif.

Statement II: In regular expression for representing a conserved protein motif E-B(2)-[ABC]-L, [ABC] can be interpreted as any other amino acid except A, B or C can be present in that particular position of motif.

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 and Statement II is incorrect
4. Statement I is incorrect and Statement II is correct

Options :

686340150245. 1
686340150246. 2
686340150247. 3
686340150248. 4

Question Number : 62 Question Id : 68634038043 Question Type : MCQ Option Shuffling : No 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 संरक्षित प्रोटीन मूल भाव E-B(2)-[ABC]-L में,[ABC] की नियमित अभिव्यक्ति में A, B अथवा C उस विशेष स्थिति में उपस्थित हो सकते हैं।

कथन II : एक संरक्षित प्रोटीन मूलभाव E-B(2)-[ABC]-L में ,[ABC] की नियमित अभिव्यक्ति में A, B या C के अतिरिक्त कोई भी अन्य अमीनो अम्ल उस विशेष स्थिति में उपस्थित हो सकता है।

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

1. कथन I और II दोनों सत्य हैं
2. कथन I और II दोनों असत्य हैं
3. कथन I सत्य है, लेकिन कथन II असत्य है
4. कथन I असत्य है, लेकिन कथन II सत्य है

Options :

686340150245. 1
686340150246. 2
686340150247. 3

Question Number : 63 Question Id : 68634038044 Question Type : MCQ Option Shuffling : No 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 working of some detection instruments is based on fluorescence and photographic effect.

Statement II: Ionisation is not used in the working of detection instruments.

In the light of the above statements, choose the correct 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 and Statement II is incorrect
4. Statement I is incorrect and Statement II is correct

Options :

686340150249. 1
686340150250. 2
686340150251. 3
686340150252. 4

Question Number : 63 Question Id : 68634038044 Question Type : MCQ Option Shuffling : No 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 : कुछ जाँच करने वाले उपकरण स्फुरदीप्ति और फोटोग्राफिक प्रभाव पर आधारित होते हैं।

कथन II : जाँच करने वाले उपकरणों की कार्यविधि में आयनीकरण प्रयोग नहीं होता है।

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

1. कथन I और II दोनों सत्य हैं
2. कथन I और II दोनों असत्य हैं
3. कथन I सत्य है, लेकिन कथन II असत्य है
4. कथन I असत्य है, लेकिन कथन II सत्य है

Options :

686340150249. 1
686340150250. 2
686340150251. 3
686340150252. 4

Question Number : 64 Question Id : 68634038045 Question Type : MCQ Option Shuffling : No 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 on an average 2 microbes enter in a human body per minute, what is the probability that in a given minute more than 2 microbes will enter?

1. 0.32

2. 1

3. 0.47

4. 0.27

Options :

686340150253. 1

686340150254. 2

686340150255. 3

686340150256. 4

Question Number : 64 Question Id : 68634038045 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि औसत रूप से किसी व्यक्ति के शरीर में प्रतिमिनट 2 जीवाणु प्रवेश करते हैं, तो दिए गए मिनट में 2 से ज्यादा जीवाणुओं के आने की प्रायिकता होगी:

1. 0.32

2. 1

3. 0.47

4. 0.27

Options :

686340150253. 1

686340150254. 2

686340150255. 3

686340150256. 4

Question Number : 65 Question Id : 68634038046 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Fluorescent antibody (FA) test is very useful test for detecting:

1. Fever

2. Blood clotting

3. Rabies

4. Cholera

Options :

686340150257. 1

686340150258. 2

686340150259. 3

686340150260. 4

Question Number : 65 Question Id : 68634038046 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

प्रतिदीप्ति प्रतिरक्षी (FA) जाँच, एक बहुत लाभदायक जाँच है, जो प्रयोग होती है:

1. बुखार के लिए
2. रक्त स्कंदन के लिए
3. रेबीज के लिए
4. हैजा के लिए

Options :

686340150257. 1

686340150258. 2

686340150259. 3

686340150260. 4

Question Number : 66 Question Id : 68634038047 Question Type : MCQ Option Shuffling : No 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 component that organises and carries out instructions that comes from either the user or the software is known as:

1. Memory
2. Processor
3. Output Device
4. Storage Device

Options :

686340150261. 1

686340150262. 2

686340150263. 3

686340150264. 4

Question Number : 66 Question Id : 68634038047 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

वह घटक जो या तो प्रयोगकर्ता या सॉफ्टवेयर के निर्देशों को व्यवस्थित करता है और सूचनाओं को ले जाता है, कहलाता है:

1. मेमोरी
2. प्रोसेसर
3. आउटपुट डिवाइस
4. स्टोरेज डिवाइस

Options :

- 686340150261. 1
- 686340150262. 2
- 686340150263. 3
- 686340150264. 4

Question Number : 67 Question Id : 68634038048 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Glucose and galactose are:

1. C₁-epimers
2. C₂-epimers
3. C₃-epimers
4. C₄-epimers

Options :

- 686340150265. 1
- 686340150266. 2
- 686340150267. 3
- 686340150268. 4

Question Number : 67 Question Id : 68634038048 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ग्लूकोज और गैलेक्टोज हैं:

1. C₁-एपिमर्स
2. C₂-एपिमर्स
3. C₃-एपिमर्स
4. C₄-एपिमर्स

Options :

- 686340150265. 1
- 686340150266. 2
- 686340150267. 3

686340150268. 4

Question Number : 68 Question Id : 68634038049 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Monoclonal antibodies are produced by:

1. T-cells
2. B-Cells
3. RBCs
4. Plasma

Options :

686340150269. 1
686340150270. 2
686340150271. 3
686340150272. 4

Question Number : 68 Question Id : 68634038049 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

मोनोक्लोनल प्रतिरक्षी _____ द्वारा उत्पन्न होते हैं।

1. T-कोशिकाओं
2. B-कोशिकाओं
3. RBCs
4. प्लाज्मा

Options :

686340150269. 1
686340150270. 2
686340150271. 3
686340150272. 4

Question Number : 69 Question Id : 68634038050 Question Type : MCQ Option Shuffling : No 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 is a version of Windows operating system:

1. Windows AP
2. Windows BP
3. Windows ZP
4. Windows XP

Options :

686340150273. 1
686340150274. 2

686340150275. 3

686340150276. 4

Question Number : 69 Question Id : 68634038050 Question Type : MCQ Option Shuffling : No 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 विन्डोज आपरेटिंग सिस्टम का एक संस्करण है?

1. विन्डोज AP
2. विन्डोज BP
3. विन्डोज ZP
4. विन्डोज XP

Options :

686340150273. 1

686340150274. 2

686340150275. 3

686340150276. 4

Question Number : 70 Question Id : 68634038051 Question Type : MCQ Option Shuffling : No 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 experimental evidence for the rearrangement of two separate genes encoding the V and C regions of immunoglobulin during the course of differentiation of B-lymphocytes and production of millions of antibodies was provided by:

1. Dreyer and Bennett
2. Beadle and Tatum
3. Hozumi and Tonegawa
4. Kuby

Options :

686340150277. 1

686340150278. 2

686340150279. 3

686340150280. 4

Question Number : 70 Question Id : 68634038051 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

B लिम्फोसाइट्स की विभेदन क्षमता और लाखों प्रतिरक्षियों के बनने के दौरान इम्यूनोग्लोबुलिन के V और C क्षेत्रों को कूटलेखन करनेवाले दो अलग अलग जीवों की पुनर्व्यवस्था के लिए प्रायोगिक साक्ष्य _____ के द्वारा प्रदान किए गए थे।

1. ड्रेयर और बैनेट
2. बीडल और टेटम
3. होजुमी और टोनगावा
4. कुबी

Options :

686340150277. 1
686340150278. 2
686340150279. 3
686340150280. 4

Question Number : 71 Question Id : 68634038052 Question Type : MCQ Option Shuffling : No 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 non-coding segments of nucleic acid which lies between coding regions are known as:

1. Exons
2. Introns
3. Spliceosome
4. Ribosome

Options :

686340150281. 1
686340150282. 2
686340150283. 3
686340150284. 4

Question Number : 71 Question Id : 68634038052 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

न्यूक्लिक अम्ल के गैर-कोडिंग खण्ड जो कोडिंग क्षेत्रों के बीच स्थित होते हैं, कहलाते हैं:

1. व्यक्तेक (एक्सॉन)
2. अव्यक्तेक (इंट्रान)
3. स्पलाइसीओसोम
4. राइबोसोम

Options :

686340150281. 1
686340150282. 2

686340150283. 3

686340150284. 4

Question Number : 72 Question Id : 68634038053 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Suppose the total memory is 1024 bytes and the memory is bit addressible. How many bits address, can be used for addressing a bit in the memory?

1. 7 bits

2. 9 bits

3. 10 bits

4. 13 bits

Options :

686340150285. 1

686340150286. 2

686340150287. 3

686340150288. 4

Question Number : 72 Question Id : 68634038053 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

मान लीजिए कुल मैमोरी 1024 बाइट्स है और मैमोरी बिट जोड़ने वाली है। मैमोरी में बिट को एड्रेस करने के लिए कितने बिट एड्रेसेज का प्रयोग किया जा सकता है?

1. 7 बिट्स

2. 9 बिट्स

3. 10 बिट्स

4. 13 बिट्स

Options :

686340150285. 1

686340150286. 2

686340150287. 3

686340150288. 4

Question Number : 73 Question Id : 68634038054 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Swiss model is a server for:

1. Protein Modeling (3D)
2. Protein Docking
3. Nucleotide Modeling (3D)
4. Nucleotide Binding

Options :

- 686340150289. 1
- 686340150290. 2
- 686340150291. 3
- 686340150292. 4

Question Number : 73 Question Id : 68634038054 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Swiss प्रारूप एक सर्वर है, जो _____ के लिए होता है।

1. प्रोटीन मॉडलिंग (3D)
2. प्रोटीन डॉकिंग
3. न्यूक्लियोटाइड मॉडलिंग (3D)
4. न्यूक्लियोटाइड बाइन्डिंग

Options :

- 686340150289. 1
- 686340150290. 2
- 686340150291. 3
- 686340150292. 4

Question Number : 74 Question Id : 68634038055 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

Assertion A: The ΔG of hydrolysis of protein is quite negative, yet protein can be quite stable.

Reason R: Protein hydrolysis requires large activation energy.

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 :

686340150293. 1
686340150294. 2
686340150295. 3
686340150296. 4

Question Number : 74 Question Id : 68634038055 Question Type : MCQ Option Shuffling : No 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 : प्रोटीन के जलीय विश्लेषण का ΔG अत्यंत ऋणात्मक है फिर भी प्रोटीन स्थिर हो सकते हैं।

कारण R : प्रोटीन के जलीय विश्लेषण के लिए बड़ी सक्रियण ऊर्जा की आवश्यकता होती है।

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

1. A और R दोनों सही हैं और R, A की सही व्याख्या 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 :

686340150293. 1
686340150294. 2
686340150295. 3
686340150296. 4

Question Number : 75 Question Id : 68634038056 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The correct sequence in β -Oxidation of fatty acids is:

- A. Acyl CoA
- B. Fatty acids
- C. Δ^2 trans-enoyl CoA
- D. β -ketoacyl CoA
- E. β -Hydroxyacyl CoA

Choose the correct answer from the options given below:

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

Options :

- 686340150297. 1
- 686340150298. 2
- 686340150299. 3
- 686340150300. 4

Question Number : 75 Question Id : 68634038056 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

वसीय अम्लों के β -आक्सीकरण के पदों का सही अनुक्रम है:

- A. एसिल CoA
- B. वसीय अम्ल
- C. Δ^2 ट्रांस इनोयल CoA
- D. β -कैटोएसिल CoA
- E. β - हाईड्रोक्सीएसिल CoA

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

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

Options :

- 686340150297. 1
- 686340150298. 2

686340150299. 3

686340150300. 4

Question Number : 76 Question Id : 68634038057 Question Type : MCQ Option Shuffling : No 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: Pyrimidine nucleotide are Cytosine and Thymine.

Statement II: Purine & Pyrimidine nucleotide biosynthesis are coordinately regulated.

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 and Statement II is incorrect
4. Statement I is incorrect and Statement II is correct

Options :

686340150301. 1

686340150302. 2

686340150303. 3

686340150304. 4

Question Number : 76 Question Id : 68634038057 Question Type : MCQ Option Shuffling : No 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 : पिरीमिडीन न्यूक्लिओटाइड्स हैं, साइटोसीन और थाइमीन

कथन II : प्यूरीन और पिरीमिडीन न्यूक्लियोटाइड का जैवसंश्लेषण समन्वित रूप से विनियमित होता है।

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

1. कथन I और II दोनों सत्य हैं
2. कथन I और II दोनों असत्य हैं
3. कथन I सत्य है, लेकिन कथन II असत्य है
4. कथन I असत्य है, लेकिन कथन II सत्य है

Options :

686340150301. 1

686340150302. 2

686340150303. 3

686340150304. 4

Question Number : 77 Question Id : 68634038058 Question Type : MCQ Option Shuffling : No 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: Reverse transcriptase from HIV has Ribonuclease activity

Statement II: Reverse transcriptase from HIV does not have a 3' -5' exonuclease activity.

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 and Statement II is false
4. Statement I is false and Statement II is true

Options :

686340150305. 1
686340150306. 2
686340150307. 3
686340150308. 4

Question Number : 77 Question Id : 68634038058 Question Type : MCQ Option Shuffling : No 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 : HIV से विलोम ट्रांस्क्रिप्टेज में राइबोन्यूक्लिएज क्रियाविधि होती है।

कथन II : HIV से विलोम ट्रांस्क्रिप्टेज में 3' - 5' एक्सोन्यूक्लिएज क्रियाविधि नहीं होती।

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 :

686340150305. 1
686340150306. 2
686340150307. 3
686340150308. 4

Question Number : 78 Question Id : 68634038059 Question Type : MCQ Option Shuffling : No 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.	Serine	I.	$\begin{array}{c} \text{H} \\ \\ \text{H}_3\text{N}^+ - \text{C} - \text{COO}^- \\ \\ \text{H} \end{array}$
B.	Cysteine	II.	$\begin{array}{c} \text{H} \\ \\ \text{CH}_2\text{OH} \\ \\ \text{H}_3\text{N}^+ - \text{C} - \text{COO}^- \\ \\ \text{H} \end{array}$
C.	Glycine	III.	$\begin{array}{c} \text{H} \\ \\ \text{H}_3\text{N}^+ - \text{C} - \text{COO}^- \\ \\ \text{H} \end{array}$
D.	Alanine	IV.	$\begin{array}{c} \text{H} \\ \\ \text{CH}_2\text{SH} \\ \\ \text{H}_3\text{N}^+ - \text{C} - \text{COO}^- \\ \\ \text{H} \end{array}$

Choose the correct answer from the options given below:

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

Options :

686340150309. 1
 686340150310. 2
 686340150311. 3
 686340150312. 4

Question Number : 78 Question Id : 68634038059 Question Type : MCQ Option Shuffling : No 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.	सीरीन	I.	$\begin{array}{c} \text{H} \\ \\ \text{H}_3\text{N}^+ - \text{C} - \text{COO}^- \\ \\ \text{H} \end{array}$
B.	सिस्टीन	II.	$\begin{array}{c} \text{CH}_2\text{OH} \\ \\ \text{H}_3\text{N}^+ - \text{C} - \text{COO}^- \\ \\ \text{H} \end{array}$
C.	ग्लाइसीन	III.	$\begin{array}{c} \text{H} \\ \\ \text{H}_3\text{N}^+ - \text{C} - \text{COO}^- \\ \\ \text{H} \end{array}$
D.	एलेनीन	IV.	$\begin{array}{c} \text{CH}_2\text{SH} \\ \\ \text{H}_3\text{N}^+ - \text{C} - \text{COO}^- \\ \\ \text{H} \end{array}$

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

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

Options :

686340150309. 1
 686340150310. 2
 686340150311. 3
 686340150312. 4

Question Number : 79 Question Id : 68634038060 Question Type : MCQ Option Shuffling : No 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: Nuclear reactor operations involve elaborate safety measures like reprocessing the spent fuel.

Reason R: Special care is required for treatment of radioactive wastes as these are very hazardous and should be converted into less active and short lived material.

In the light of the above statements, choose the correct 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 :

686340150313. 1
686340150314. 2
686340150315. 3
686340150316. 4

Question Number : 79 Question Id : 68634038060 Question Type : MCQ Option Shuffling : No 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 : परमाणु शोधकर्ताओं के संचालन/प्रबन्धन में प्रयोग में लाए गए (खर्च किए गए) ईंधन को पुनर्संसाधित करने जैसे विस्तृत सुरक्षा उपाय सम्मिलित है।

कारण R : रेडियो सक्रिय अपशिष्टों के उपचार के लिए विशेष सावधानी की आवश्यकता होती है, क्योंकि ये अपशिष्ट अत्यधिक खतरनाक होते हैं और ऐसे अपशिष्टों को कम सक्रिय और कम जीवन अवधि वाले पदार्थों में बदलने की आवश्यकता होती है।

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

1. A और R दोनों सही हैं और R, A की सही व्याख्या 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 :

686340150313. 1
686340150314. 2
686340150315. 3

Question Number : 80 Question Id : 68634038061 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

Assertion A: The resolution of random scan is higher than raster scan.

Reason R: In raster scan, solid pattern is easy to fill.

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 and Statement II is incorrect
4. Statement I is incorrect and Statement II is correct

Options :

686340150317. 1
686340150318. 2
686340150319. 3
686340150320. 4

Question Number : 80 Question Id : 68634038061 Question Type : MCQ Option Shuffling : No 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 : रास्टर स्कैन की तुलना में यादृच्छिक (रैंडम) स्कैन का रिजॉल्यूशन अधिक होता है।

कथन II : रास्टर स्कैन में ठोस पैटर्न भरना आसान है।

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

1. कथन I और II दोनों सत्य हैं
2. कथन I और II दोनों असत्य हैं
3. कथन I सत्य है, लेकिन कथन II असत्य है
4. कथन I असत्य है, लेकिन कथन II सत्य है

Options :

686340150317. 1
686340150318. 2
686340150319. 3
686340150320. 4

Question Number : 81 Question Id : 68634038062 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements:

Statement I: In BLAST search, statistical significance of the output is provided by statistical indicator known as E-value (expectation value)

Statement II: The E-value (expectation value) in BLAST is related to P value, where P is the probability that HSP alignment is a result of random chance.

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 and Statement II is false
4. Statement I is false and Statement II is true

Options :

686340150321. 1
686340150322. 2
686340150323. 3
686340150324. 4

Question Number : 81 Question Id : 68634038062 Question Type : MCQ Option Shuffling : No 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 : ब्लास्ट खोज में उत्पाद (Output) का सांख्यिकीय महत्व, सांख्यिकीय सूचक द्वारा प्रदान किया जाता है, जिसे ई-वैल्यू (अपेक्षित मूल्य) के रूप में जाना जाता है।

कथन II : BLAST में ई-वैल्यू (अपेक्षित मूल्य), P-मान से संबंधित है, जहाँ P की प्रायिकता HSP संरक्षण यादृच्छिक संभावना का परिणाम है।

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

1. कथन I और II दोनों सत्य हैं
2. कथन I और II दोनों असत्य हैं
3. कथन I सत्य है, लेकिन कथन II असत्य है
4. कथन I असत्य है, लेकिन कथन II सत्य है

Options :

686340150321. 1
686340150322. 2
686340150323. 3
686340150324. 4

Question Number : 82 Question Id : 68634038063 Question Type : MCQ Option Shuffling : No 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.	Alignment involving only 2 sequences	I.	Multiple sequence alignment (MSA)
B.	Alignment involving small or conserved portion of sequences	II.	Global alignment
C.	Alignment involving 3 or more sequences	III.	Pairwise sequence alignment (PSA)
D.	Alignment involving entire sequences or end to end alignment	IV.	Local alignment

Choose the correct answer from the options given below:

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

Options :

686340150325. 1
686340150326. 2
686340150327. 3
686340150328. 4

Question Number : 82 Question Id : 68634038063 Question Type : MCQ Option Shuffling : No 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.	संरक्षण में केवल दो अनुक्रम सम्मिलित है।	I.	गुणित अनुक्रम संरक्षण (मल्टिपल सीक्वेंस अलाइनमेंट) (MSA)
B.	संरक्षण में अनुक्रम के छोटे संरक्षित भाग सम्मिलित हैं।	II.	वैश्विक संरक्षण
C.	संरक्षण में 3 या अधिक अनुक्रम सम्मिलित हैं।	III.	युग्म के साथ (पेअरवाइज) अनुक्रम संरक्षण
D.	संरक्षण में समस्त अनुक्रम या अन्त तक के संरक्षण सम्मिलित हैं।	IV.	स्थानीय संरक्षण

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

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

Options :

- 686340150325. 1
- 686340150326. 2
- 686340150327. 3
- 686340150328. 4

Question Number : 83 Question Id : 68634038064 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Let y_1, y_2 be two linearly independent solutions of the differential equation

$$yy^{11} - (y^1)^2 = 0.$$

Then $C_1y_1 + C_2y_2$, where C_1, C_2 are constants is a solution of this differential equation for:

1. $C_1 = C_2 = 0$ only
2. $C_1 = 0$ or $C_2 = 0$
3. No value of C_1, C_2
4. All real C_1, C_2

Options :

- 686340150329. 1
- 686340150330. 2
- 686340150331. 3
- 686340150332. 4

Question Number : 83 Question Id : 68634038064 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि अवकल समीकरण- $yy^{11} - (y^1)^2 = 0$ में y_1, y_2 दो रेखिक मुक्त हल है, तो -

$C_1y_1 + C_2y_2$, जहाँ C_1, C_2 इस अवकल समीकरण के स्थिरांक हैं:

1. केवल $C_1 = C_2 = 0$
2. $C_1 = 0$ or $C_2 = 0$
3. C_1, C_2 के किसी भी मान के लिए
4. सभी वास्तविक C_1, C_2

Options :

- 686340150329. 1
- 686340150330. 2
- 686340150331. 3
- 686340150332. 4

Question Number : 84 Question Id : 68634038065 Question Type : MCQ Option Shuffling : No 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 is not a hydrophobic amino acid?

1. Glycine
2. Proline
3. Threonine
4. Alanine

Options :

686340150333. 1
686340150334. 2
686340150335. 3
686340150336. 4

Question Number : 84 Question Id : 68634038065 Question Type : MCQ Option Shuffling : No 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 जलविरोधी अमीनो अम्ल नहीं है?

1. ग्लाइसीन
2. प्रोलीन
3. थ्रीओनीन
4. एलेनीन

Options :

686340150333. 1
686340150334. 2
686340150335. 3
686340150336. 4

Question Number : 85 Question Id : 68634038066 Question Type : MCQ Option Shuffling : No 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 autoimmune disease that produces antibodies against antibodies, like I_gM-I_gG complex is:

1. Multiple sclerosis (MS)
2. Rheumatoid Arthritis (RA)
3. Hashimoto's Thyroiditis
4. Type-1 Diabetes Mellitus

Options :

686340150337. 1
686340150338. 2

686340150339. 3

686340150340. 4

Question Number : 85 Question Id : 68634038066 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

स्व प्रतिरक्षा रोग, जिसमें $I_H M-I_H G$ सम्मिश्र जैसे प्रतिरक्षियों के विरुद्ध प्रतिरक्षी उत्पन्न होते हैं:

1. मल्टिपल स्कलेरोसिस (MS)
2. रूमेटोइड आर्थराइटिस (RA)
3. हाशिमोटो थाइरोइडिटिस
4. टाइप 1 डाइबिटीज मेलाइटस

Options :

686340150337. 1

686340150338. 2

686340150339. 3

686340150340. 4

Question Number : 86 Question Id : 68634038067 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

5-BU (5-bromouracil) is used in chemotherapy of viruses and cancer, because-

1. GC pair converts into a G:BU pair which in turn becomes an AT pair.
2. AT pair converts into a A:BU pair which in turn becomes an GC pair
3. AT pair converts into A:BU pair which becomes AT pair
4. Both (1) and (2) are true

Options :

686340150341. 1

686340150342. 2

686340150343. 3

686340150344. 4

Question Number : 86 Question Id : 68634038067 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

5 -BU (5-ब्रोमोयूरेसिल) विषाणुओं और कैंसर की कीमोथेरेपी में प्रयोग किया जाता है, क्योंकि

1. GC युग्म, G : BU युग्म में परिवर्तित हो जाता है जो बाद में एक AT युग्म बन जाता है
2. AT युग्म, A : BU युग्म में परिवर्तित हो जाता है, जो बाद में एक GC युग्म बन जाता है
3. AT युग्म A : BU युग्म में परिवर्तित हो जाता है, जो बाद में AT युग्म बन जाता है।
4. (1) और (2) दोनों सत्य हैं।

Options :

686340150341. 1
686340150342. 2
686340150343. 3
686340150344. 4

Question Number : 87 Question Id : 68634038068 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Microorganisms associated with fermented milk is:

1. *Xeroderma pigmentosum*
2. *Streptococcus lactis*
3. *Aspergillus fumigatus*
4. *Epidermophyton floccosum*

Options :

686340150345. 1
686340150346. 2
686340150347. 3
686340150348. 4

Question Number : 87 Question Id : 68634038068 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

किण्वित दुग्ध से संबंधित सूक्ष्मजीव है:

1. जेरोडर्मा पिग्मेंटोसम
2. स्ट्रेप्टोकोकस लेक्टिस
3. एस्पेरजिलस फ्यूमिगेटस
4. एपिडर्मोफाइटॉन फ्लोकोसम

Options :

686340150345. 1
686340150346. 2
686340150347. 3
686340150348. 4

Question Number : 88 Question Id : 68634038069 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Shift + F11, shortcut key is used for:

1. Insert a new worksheet in MS Excel
2. Delete the worksheet in MS Excel
3. Update the worksheet in MS Excel
4. Insert a row in MS Excel

Options :

- 686340150349. 1
- 686340150350. 2
- 686340150351. 3
- 686340150352. 4

Question Number : 88 Question Id : 68634038069 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Shift +F11, शार्टकट बटन _____ के लिए प्रयोग किया जाता है।

1. MS एक्सेल में एक नए कार्यपत्रक (वर्कशीट) की प्रविष्टि
2. MS एक्सेल में कार्यपत्रक को हटाने (डिलीट)
3. MS एक्सेल में कार्यपत्रक में सुधार
4. MS एक्सेल में नई पंक्ति (Row) को प्रविष्टि करने

Options :

- 686340150349. 1
- 686340150350. 2
- 686340150351. 3
- 686340150352. 4

Question Number : 89 Question Id : 68634038070 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

How many parameters does a default constructor requires?

1. 0
2. 1
3. 2
4. 3

Options :

- 686340150353. 1
- 686340150354. 2
- 686340150355. 3

686340150356. 4

Question Number : 89 Question Id : 68634038070 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

एक डिफॉल्ट कंस्ट्रक्टर को कितने मापदण्डों की आवश्यकता होती है?

1. 0

2. 1

3. 2

4. 3

Options :

686340150353. 1

686340150354. 2

686340150355. 3

686340150356. 4

Question Number : 90 Question Id : 68634038071 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

CMY color model is generally used for:

1. Color CRT monitor

2. TV Color system

3. Color Printing

4. Color Protection System

Options :

686340150357. 1

686340150358. 2

686340150359. 3

686340150360. 4

Question Number : 90 Question Id : 68634038071 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

CMY वर्णप्रारूप (कलर माडल) सामान्यतः प्रयोग किया जाता है:

1. कलर CRT मॉनीटर के लिए

2. TV कलर सिस्टम के लिए

3. कलर प्रिंटिंग के लिए

4. कलर प्रोजेक्शन सिस्टम के लिए

Options :

686340150357. 1

686340150358. 2

686340150359. 3

686340150360. 4

Question Number : 91 Question Id : 68634038072 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Full form of BLAST is:

1. Biological Local Analysis Search Tool
2. Biomolecular Local and Sequence Tool
3. Basic Local Analysis Sequence Tool
4. Basic Local Alignment Search Tool

Options :

686340150361. 1

686340150362. 2

686340150363. 3

686340150364. 4

Question Number : 91 Question Id : 68634038072 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

BLAST का विस्तृत (व्यापक) रूप है:

1. बायलोजिकल लोकल एनेलेसिस सर्च टूल
2. बायोमोलीक्यूलर लोकल एण्ड सीक्वेंस टूल
3. बेसिक लोकल एनेलेसिस सीक्वेंस टूल
4. बेसिक लोकल एलाइनमेंट सर्च टूल

Options :

686340150361. 1

686340150362. 2

686340150363. 3

686340150364. 4

Question Number : 92 Question Id : 68634038073 Question Type : MCQ Option Shuffling : No 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 is not a multimedia application?

1. Skype
2. You tube
3. MS Teams
4. MS Outlook

Options :

686340150365. 1
686340150366. 2
686340150367. 3
686340150368. 4

Question Number : 92 Question Id : 68634038073 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

इनमें से कौन एक मल्टीमीडिया एप्लीकेशन नहीं है?

1. स्काइप
2. यू-ट्यूब
3. एमएस टीम्स
4. एमएस आउटलुक

Options :

686340150365. 1
686340150366. 2
686340150367. 3
686340150368. 4

Question Number : 93 Question Id : 68634038074 Question Type : MCQ Option Shuffling : No 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 Reactions	
A.	Glyceraldehyde-3-phosphate dehydrogenase	I.	Pyruvate \rightarrow Lactate
B.	Lactate dehydrogenase	II.	Glyceraldehyde-3-phosphate \rightarrow 1,3-bisphosphoglycerate
C.	Pyruvate dehydrogenase complex	III.	α -ketoglutarate \rightarrow Succinyl CoA
D.	α -ketoglutarate dehydrogenase complex	IV.	Pyruvate \rightarrow Acetyl CoA

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

Options :

686340150369. 1
686340150370. 2
686340150371. 3
686340150372. 4

Question Number : 93 Question Id : 68634038074 Question Type : MCQ Option Shuffling : No 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 (एंजाइम)		सूची II (अभिक्रिया)	
A.	ग्लिसरेल्डिहाइड-3-फॉस्फेट डीहाइड्रोजिनेज	I.	पाइरूवेट → लैक्टेट
B.	लैक्टेट डीहाइड्रोजिनेज	II.	ग्लिसरेल्डिहाइड-3-फॉस्फेट → 1,3-बिसफॉस्फोग्लिसरेट
C.	पाइरूवेट डीहाइड्रोजिनेज कॉम्प्लेक्स	III.	α -कीटोग्लूटेरेट → सक्सिनाइल CoA
D.	α -कीटोग्लूटेरेट डीहाइड्रोजिनेज कॉम्प्लेक्स	IV.	पाइरूवेट → एसिटाइल CoA

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

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

Options :

686340150369. 1
686340150370. 2
686340150371. 3
686340150372. 4

Question Number : 94 Question Id : 68634038075 Question Type : MCQ Option Shuffling : No 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 advantages of double spectrophotometer over the use of single spectrophotometer measurements are:

- A. Measurements are easier
- B. Measurements are more stable
- C. Larger dynamic range
- D. Optically simpler and more compact
- E. More practicality

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

Options :

686340150373. 1
686340150374. 2
686340150375. 3
686340150376. 4

Question Number : 94 Question Id : 68634038075 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

एकल वर्णक्रममापी (सिंगल स्पैक्ट्रोमीटर) की अपेक्षा दोहरे वर्णक्रममापी की उपयोगिता है:

- A. मापन आसान होता है।
- B. मापन अधिक स्थिर होते हैं।
- C. व्यापक गतिशील प्रसार।
- D. दृष्टिगत (ऑप्टिकली) रूप से आसान और अधिक संहत (संक्षिप्त)।
- E. अधिक प्रायोगिक।

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

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

Options :

- 686340150373. 1
- 686340150374. 2
- 686340150375. 3
- 686340150376. 4

Question Number : 95 Question Id : 68634038076 Question Type : MCQ Option Shuffling : No 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.	Application layer	I.	TCP
B.	Transport layer	II.	ALOHA
C.	Network layer	III.	IP
D.	Datalink layer	IV.	HTTP

Choose the correct answer from the options given below:

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

Options :

- 686340150377. 1
- 686340150378. 2
- 686340150379. 3
- 686340150380. 4

Question Number : 95 Question Id : 68634038076 Question Type : MCQ Option Shuffling : No 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.	एप्लीकेशन परत (लेयर)	I.	TCP
B.	ट्रांसपोर्ट परत	II.	ALOHA
C.	नेटवर्क परत	III.	IP
D.	डेटालिंक परत	IV.	HTTP

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

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

Options :

686340150377. 1
686340150378. 2
686340150379. 3
686340150380. 4

Question Number : 96 Question Id : 68634038077 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Correct statements are:

- A. Molecular docking is interaction prediction between ligand and ligand.
- B. Homology modeling is modeling 3-D structure of proteins using structures available in databases (Homologous structures).
- C. Sequence alignment is a very important step in Homology modelling.
- D. Aspartate and glutamate have positively charged R groups.
- E. Lysine, arginine and histidine have positively charged R groups.

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

Options :

686340150381. 1
686340150382. 2
686340150383. 3
686340150384. 4

Question Number : 96 Question Id : 68634038077 Question Type : MCQ Option Shuffling : No 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 सही कथन हैं:

- A. आण्विक डॉकिंग, लिगेन्ड और लिगेन्ड के बीच पारस्परिक क्रिया का पूर्वानुमान है।
- B. अनुरूप (होमोलोजी) माडलिंग, डेटाबेस में उपलब्ध संरचनाओं का उपयोग करके, प्रोटीन की 3-D संरचना की मॉडलिंग करना है।
- C. होमोलोजी मॉडलिंग में, अनुक्रम संरेखण, बहुत महत्वपूर्ण चरण है।
- D. एस्पार्टेट और ग्लूटेमेट में धनावेशित R-समूह होता है।
- E. लाइसीन, आर्जिनीन और थिस्टीडीन में धनावेशित R-समूह होता है।

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

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

Options :

- 686340150381. 1
- 686340150382. 2
- 686340150383. 3
- 686340150384. 4

Question Number : 97 Question Id : 68634038078 Question Type : MCQ Option Shuffling : No 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 integrating factor for differential equation $(2x \log x - xy)dy + 2y dx = 0$ is:

- 1. x^2
- 2. $\frac{1}{x}$
- 3. $\frac{1}{x^2}$
- 4. x

Options :

- 686340150385. 1
- 686340150386. 2
- 686340150387. 3
- 686340150388. 4

Question Number : 97 Question Id : 68634038078 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

अवकलन समीकरण $(2x \log x - xy)dy + 2y dx = 0$ के लिए समाकलन गुणक है:

1. x^2

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

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

4. x

Options :

686340150385. 1

686340150386. 2

686340150387. 3

686340150388. 4

Question Number : 98 Question Id : 68634038079 Question Type : MCQ Option Shuffling : No 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 DNA with left handed double helical structure (screw sense) is:

1. A DNA

2. B DNA

3. Y DNA

4. Z DNA

Options :

686340150389. 1

686340150390. 2

686340150391. 3

686340150392. 4

Question Number : 98 Question Id : 68634038079 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

बाम वर्त (पेंचवाला) द्वि रज्जुक डीएनए संरचना है:

1. A DNA

2. B DNA

3. Y DNA

4. Z DNA

Options :

686340150389. 1

686340150390. 2

686340150391. 3

686340150392. 4

Question Number : 99 Question Id : 68634038080 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Denitrification, in Nitrogen cycle is:

1. It is the demination of amino acids by microorganims.
2. It is the reduction of nitrates to gaseous nitrogen by microorganisms.
3. It is the oxidation of Ammonia to nitrate by microorganisms.
4. It is oxidation of Nitrite to Nitrate by microorganisms.

Options :

- 686340150393. 1
- 686340150394. 2
- 686340150395. 3
- 686340150396. 4

Question Number : 99 Question Id : 68634038080 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

नाइट्रोजन चक्र में विनाइट्रीकरण है:

1. यह सूक्ष्मजीवों द्वारा अमीनो अम्लों का डीअमाइनेशन है।
2. यह सूक्ष्मजीवों द्वारा नाइट्रेट्स का गैसीय नाइट्रोजन में अपचयन है।
3. यह सूक्ष्मजीवों द्वारा अमोनिया का नाइट्रेट में आक्सीकरण है।
4. यह सूक्ष्मजीवों द्वारा नाइट्राइट का नाइट्रेट में आक्सीकरण है।

Options :

- 686340150393. 1
- 686340150394. 2
- 686340150395. 3
- 686340150396. 4

Question Number : 100 Question Id : 68634038081 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

C++ programing language is a type of:

1. Object oriented language
2. Functional language
3. Procedural language
4. Scripting language

Options :

- 686340150397. 1
- 686340150398. 2
- 686340150399. 3

686340150400. 4

Question Number : 100 Question Id : 68634038081 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

C++ प्रोग्रामिंग भाषा एक प्रकार की _____ हैं:

1. अभिलक्ष्य भाषा
2. कार्यात्मक भाषा
3. प्रतिक्रियात्मक भाषा
4. स्क्रिप्टिंग भाषा

Options :

686340150397. 1

686340150398. 2

686340150399. 3

686340150400. 4