

Common University Entrance Test (PG)

CUET PG 2023 Question Paper

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Question Paper Name :	Biochemistry Eng 25th June 2023 Shift 3
Subject Name :	Biochemistry Eng
Creation Date :	2023-06-25 22:55:58
Duration :	120
Total Marks :	400
Display Marks:	Yes

Biochemistry

Group Number :	1
Group Id :	686340390
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 :	686340775
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 :	6863401295
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Id : 68634039397 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (1 to 5)

Question Label : Comprehension

Read the passage carefully and answer the question.

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

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

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

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

Sub questions

Question Number : 1 Question Id : 68634039398 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Which of the following would prove most effective in preserving wild life?

1. More Zoos
2. Allocation of more funds
3. Sanctuaries
4. Loa against destruction of wild life

Options :
686340155601. 1
686340155602. 2
686340155603. 3
686340155604. 4

Question Number : 2 Question Id : 68634039399 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Animal species should be preserved mainly because

1. man cannot recreate a species of animal if it be destroyed
2. zoologists want to study them
3. they are killed by cruel people
4. they are lovely creatures

Options :
686340155605. 1
686340155606. 2
686340155607. 3
686340155608. 4

Question Number : 3 Question Id : 68634039400 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

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

1. Sympathy
2. Cruetly
3. Pity
4. Reverence

Options :
686340155609. 1
686340155610. 2
686340155611. 3
686340155612. 4

Question Number : 4 Question Id : 68634039401 Question Type : MCQ Option Shuffling : No 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 types of animals does man chiefly protect?

1. Harmless animals
2. Economically useful
3. Those without any shelter
4. Feeble animals

Options :
686340155613. 1
686340155614. 2
686340155615. 3

686340155616. 4

Question Number : 5 Question Id : 68634039402 Question Type : MCQ Option Shuffling : No 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 wild life is about to become extinct mainly because:

1. people kill animals callously

2. there are very few places reserved for wild animals

3. people are ignorant

4. there are few institutions for preservation of wild life

Options :
686340155617. 1
686340155618. 2
686340155619. 3
686340155620. 4

Question Id : 68634039397 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

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Sub questions

Question Number : 1 Question Id : 68634039398 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

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Options :
686340155601. 1
686340155602. 2
686340155603. 3
686340155604. 4

Question Number : 2 Question Id : 68634039399 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Animal species should be preserved mainly because

1. man cannot recreate a species of animal if it be destroyed
2. zoologists want to study them
3. they are killed by cruel people
4. they are lovely creatures

Options :
686340155605. 1
686340155606. 2
686340155607. 3
686340155608. 4

Question Number : 3 Question Id : 68634039400 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

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

1. Sympathy
2. Cruetly
3. Pity
4. Reverence

Options :

686340155609. 1
686340155610. 2
686340155611. 3
686340155612. 4

Question Number : 4 Question Id : 68634039401 Question Type : MCQ Option Shuffling : No 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 types of animals does man chiefly protect?

1. Harmless animals
2. Economically useful
3. Those without any shelter
4. Feeble animals

Options :
686340155613. 1
686340155614. 2
686340155615. 3
686340155616. 4

Question Number : 5 Question Id : 68634039402 Question Type : MCQ Option Shuffling : No 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 wild life is about to become extinct mainly because:

1. people kill animals callously
2. there are very few places reserved for wild animals
3. people are ignorant
4. there are few institutions for preservation of wild life

Options :
686340155617. 1
686340155618. 2
686340155619. 3
686340155620. 4

Sub-Section Number :	2
Sub-Section Id :	6863401296
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 6 Question Id : 68634039403 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Synonym of the word 'CELESTIAL' is:

1. Solar
2. Galactic
3. Astral
4. Heavenly

Options :
686340155621. 1
686340155622. 2
686340155623. 3
686340155624. 4

Question Number : 6 Question Id : 68634039403 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Synonym of the word 'CELESTIAL' is:

1. Solar
2. Galactic
3. Astral
4. Heavenly

Options :
686340155621. 1
686340155622. 2
686340155623. 3
686340155624. 4

Question Number : 7 Question Id : 68634039404 Question Type : MCQ Option Shuffling : No 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 following options:

India is one of the richest countries _____ the world in terms of biodiversity. Due _____ anthropogenic activities, many species have lost their habitat and even become extent. International Union _____ conservation _____ nature and natural resources has categorized with flora and fauna into eight categories.

1. in, of, to, for

2. of, to, of, in

3. in, for, of, to

4. in, to, for, of

Options :

686340155625. 1

686340155626. 2

686340155627. 3

686340155628. 4

Question Number : 7 Question Id : 68634039404 Question Type : MCQ Option Shuffling : No 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 following options:

India is one of the richest countries _____ the world in terms of biodiversity. Due _____ anthropogenic activities, many species have lost their habitat and even become extent. International Union _____ conservation _____ nature and natural resources has categorized with flora and fauna into eight categories.

1. in, of, to, for

2. of, to, of, in

3. in, for, of, to

4. in, to, for, of

Options :

686340155625. 1

686340155626. 2

686340155627. 3

686340155628. 4

Question Number : 8 Question Id : 68634039405 Question Type : MCQ Option Shuffling : No 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 suitable word from the options given below:

Light _____ in a straight line.

1. goes

2. shines

3. moves

4. travels

Options :

686340155629. 1

686340155630. 2

686340155631. 3

686340155632. 4

Question Number : 8 Question Id : 68634039405 Question Type : MCQ Option Shuffling : No 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 suitable word from the options given below:

Light _____ in a straight line.

1. goes

2. shines

3. moves

4. travels

Options :

686340155629. 1

686340155630. 2

686340155631. 3

686340155632. 4

Question Number : 9 Question Id : 68634039406 Question Type : MCQ Option Shuffling : No 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 word is not the synonym of 'Colossal'.

1. huge

2. gigantic

3. commence

4. enormous

Options :
686340155633. 1
686340155634. 2
686340155635. 3
686340155636. 4

Question Number : 9 Question Id : 68634039406 Question Type : MCQ Option Shuffling : No 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 word is not the synonym of 'Colossal'.

1. huge
2. gigantic
3. commence
4. enormous

Options :
686340155633. 1
686340155634. 2
686340155635. 3
686340155636. 4

Question Number : 10 Question Id : 68634039407 Question Type : MCQ Option Shuffling : No 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 the sentence by replacing the under lined phrase:

Those who are indecisive can be readily persuading to change their mind again.

1. can be readily persuasive
2. can be readily persuaded
3. could be ready to persuade
4. can be ready persuading

Options :
686340155637. 1
686340155638. 2
686340155639. 3
686340155640. 4

Question Number : 10 Question Id : 68634039407 Question Type : MCQ Option Shuffling : No 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 the sentence by replacing the under lined phrase:

Those who are indecisive can be readily persuading to change their mind again.

1. can be readily persuasive

2. can be readily persuaded

3. could be ready to persuade

4. can be ready persuading

Options :

686340155637. 1
686340155638. 2
686340155639. 3
686340155640. 4

Question Number : 11 Question Id : 68634039408 Question Type : MCQ Option Shuffling : No 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 value of

$16\div4\times4-3+2$

1. 0

2. – 4

3. 6

4. 15

Options :

686340155641. 1
686340155642. 2
686340155643. 3
686340155644. 4

Question Number : 11 Question Id : 68634039408 Question Type : MCQ Option Shuffling : No 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 value of

$16 \div 4 \times 4 - 3 + 2$

1. 0

2. – 4

3. 6

4. 15

Options :

686340155641. 1
686340155642. 2
686340155643. 3
686340155644. 4

Question Number : 12 Question Id : 68634039409 Question Type : MCQ Option Shuffling : No 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 cardboard box of dimensions 80 cm × 60 cm × 75 cm is to be constructed. Find the cardboard required (in m^2) for the box.

1. 4.3

2. 4.16

3. 3.84

4. 3.06

Options :

686340155645. 1
686340155646. 2
686340155647. 3
686340155648. 4

Question Number : 12 Question Id : 68634039409 Question Type : MCQ Option Shuffling : No 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 cardboard box of dimensions 80 cm × 60 cm × 75 cm is to be constructed. Find the cardboard required (in m^2) for the box.

1. 4.3

2. 4.16

3. 3.84

4. 3.06

Options :
686340155645. 1
686340155646. 2
686340155647. 3
686340155648. 4

Question Number : 13 Question Id : 68634039410 Question Type : MCQ Option Shuffling : No 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 fruit vendor bought apples for ₹ 6,000. He sold 40% stock with 25% profit, another 40% stock with 15% profit and the rest with 10% profit. Find his profit percentage.

1. 21%

2. 19%

3. 18%

4. 18.5%

Options :
686340155649. 1
686340155650. 2
686340155651. 3
686340155652. 4

Question Number : 13 Question Id : 68634039410 Question Type : MCQ Option Shuffling : No 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 fruit vendor bought apples for ₹ 6,000. He sold 40% stock with 25% profit, another 40% stock with 15% profit and the rest with 10% profit. Find his profit percentage.

1. 21%

2. 19%

3. 18%

4. 18.5%

Options :

686340155649. 1

686340155650. 2

686340155651. 3

686340155652. 4

Question Number : 14 Question Id : 68634039411 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Out of the three numbers, first number is twice of the second number and thrice of the third number. The average of their reciprocals is 1/6. The numbers are:

1. 6, 3, 2

2. 8, 4, 2

3. 12, 6, 4

4. 18, 12, 6

Options :

686340155653. 1

686340155654. 2

686340155655. 3

686340155656. 4

Question Number : 14 Question Id : 68634039411 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Out of the three numbers, first number is twice of the second number and thrice of the third number. The average of their reciprocals is 1/6. The numbers are:

1. 6, 3, 2

2. 8, 4, 2

3. 12, 6, 4

4. 18, 12, 6

Options :

686340155653. 1

686340155654. 2

686340155655. 3

686340155656. 4

Question Number : 15 Question Id : 68634039412 Question Type : MCQ Option Shuffling : No 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 train running at 90 km/h crosses a 400 m long another train running towards it on parallel tracks at 80 km/h in 18 seconds. How much time will it take to pass a 450 m long tunnel?

1. 28 seconds
2. 32 seconds
3. 34 seconds
4. 36 seconds

Options :

686340155657. 1
686340155658. 2
686340155659. 3
686340155660. 4

Question Number : 15 Question Id : 68634039412 Question Type : MCQ Option Shuffling : No 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 train running at 90 km/h crosses a 400 m long another train running towards it on parallel tracks at 80 km/h in 18 seconds. How much time will it take to pass a 450 m long tunnel?

1. 28 seconds
2. 32 seconds
3. 34 seconds
4. 36 seconds

Options :

686340155657. 1
686340155658. 2
686340155659. 3
686340155660. 4

Question Number : 16 Question Id : 68634039413 Question Type : MCQ Option Shuffling : No 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 is facing the east direction. If he turns 270° he will face:

1. North direction
2. South direction
3. West direction
4. North or South direction

Options :

686340155661. 1
686340155662. 2
686340155663. 3
686340155664. 4

Question Number : 16 Question Id : 68634039413 Question Type : MCQ Option Shuffling : No 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 is facing the east direction. If he turns 270° he will face:

1. North direction
2. South direction
3. West direction
4. North or South direction

Options :
686340155661. 1
686340155662. 2
686340155663. 3
686340155664. 4

Question Number : 17 Question Id : 68634039414 Question Type : MCQ Option Shuffling : No 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 tenth term of the given series 4Z, 5Y, 6X, 7W, _____ will be:

1. 13 M
2. 13 P
3. 13 Q
4. 13 N

Options :
686340155665. 1
686340155666. 2
686340155667. 3
686340155668. 4

Question Number : 17 Question Id : 68634039414 Question Type : MCQ Option Shuffling : No 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 tenth term of the given series 4Z, 5Y, 6X, 7W, _____ will be:

1. 13 M

2. 13 P

3. 13 Q

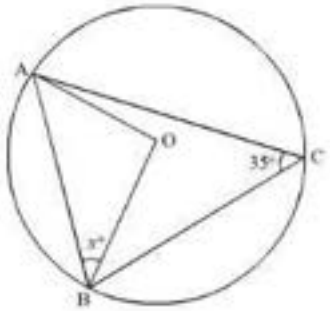
4. 13 N

Options :

686340155665. 1
686340155666. 2
686340155667. 3
686340155668. 4

Question Number : 18 Question Id : 68634039415 Question Type : MCQ Option Shuffling : No 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 given figure find the value of x (O is the center of the given circle?



1. 45°

2. 50°

3. 55°

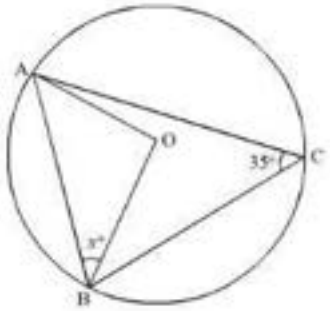
4. 65°

Options :

686340155669. 1
686340155670. 2
686340155671. 3
686340155672. 4

Question Number : 18 Question Id : 68634039415 Question Type : MCQ Option Shuffling : No 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 given figure find the value of x (O is the center of the given circle?



1. 45°

2. 50°

3. 55°

4. 65°

Options :

686340155669. 1

686340155670. 2

686340155671. 3

686340155672. 4

Question Number : 19 Question Id : 68634039416 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ZOOM is coded as 138. The code 72 will be:

1. ROOT

2. TAGH

3. TOST

4. TOOR

Options :

686340155673. 1

686340155674. 2

686340155675. 3

686340155676. 4

Question Number : 19 Question Id : 68634039416 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ZOOM is coded as 138. The code 72 will be:

1. ROOT

2. TAGH

3. TOST

4. TOOR

Options :
686340155673. 1
686340155674. 2
686340155675. 3
686340155676. 4

Question Number : 20 Question Id : 68634039417 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

2, 7, 14, 23, 34, _____.

Complete the series choosing appropriate option:

1. 36

2. 43

3. 47

4. 62

Options :
686340155677. 1
686340155678. 2
686340155679. 3
686340155680. 4

Question Number : 20 Question Id : 68634039417 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

2, 7, 14, 23, 34, _____.

Complete the series choosing appropriate option:

1. 36

2. 43

3. 47

4. 62

Options :

686340155677. 1

686340155678. 2

686340155679. 3

686340155680. 4

Question Number : 21 Question Id : 68634039418 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The first general election in India was held in _____.

1. 1950

2. 1951

3. 1952

4. 1947

Options :

686340155681. 1

686340155682. 2

686340155683. 3

686340155684. 4

Question Number : 21 Question Id : 68634039418 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The first general election in India was held in _____.

1. 1950

2. 1951

3. 1952

4. 1947

Options :

686340155681. 1

686340155682. 2

686340155683. 3

686340155684. 4

Question Number : 22 Question Id : 68634039419 Question Type : MCQ Option Shuffling : No 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 (Monuments)		LIST II (Country)	
A.	Imperial palace	I.	France
B.	Opera House	II.	Denmark
C.	Eiffel Tower	III.	Australia
D.	Kindu Disk	IV.	Japan

Choose the correct answer from the options given below:

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

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

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

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

Options :

686340155685. 1

686340155686. 2

686340155687. 3

686340155688. 4

Question Number : 22 Question Id : 68634039419 Question Type : MCQ Option Shuffling : No 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 (Monuments)		LIST II (Country)	
A.	Imperial palace	I.	France
B.	Opera House	II.	Denmark
C.	Eiffel Tower	III.	Australia
D.	Kindu Disk	IV.	Japan

Choose the correct answer from the options given below:

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

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

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

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

Options :

686340155685. 1

686340155686. 2

686340155687. 3

686340155688. 4

Question Number : 23 Question Id : 68634039420 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

When was Jana-Gana-Mana (which later became 'National Anthem' of India) first sung and where?

1. 24th January, 1950 in Allahabad
2. 24th January, 1950 in Delhi
3. 26th December, 1942 in Calcutta
4. 27th December, 1911 in Calcutta

Options :

686340155689. 1
686340155690. 2
686340155691. 3
686340155692. 4

Question Number : 23 Question Id : 68634039420 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

When was Jana-Gana-Mana (which later became 'National Anthem' of India) first sung and where?

1. 24th January, 1950 in Allahabad
2. 24th January, 1950 in Delhi
3. 26th December, 1942 in Calcutta
4. 27th December, 1911 in Calcutta

Options :

686340155689. 1
686340155690. 2
686340155691. 3
686340155692. 4

Question Number : 24 Question Id : 68634039421 Question Type : MCQ Option Shuffling : No 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 : Lord Mountbatten was the Viceroy when Simla conference took place.
Statement II : Indian Navy Revolt, 1946 took place when the Indian Sailors in the Royal Indian Navy at Bombay and Karachi rose against the Government.
In the light of the above statements, choose the most appropriate answer from the options given below:

1. Both Statement I and Statement II are true

2. Both Statement I and Statement are false

3. Statement I is true but Statement II is false

4. Statement I is false but Statement II is true

Options :
686340155693. 1
686340155694. 2
686340155695. 3
686340155696. 4

Question Number : 24 Question Id : 68634039421 Question Type : MCQ Option Shuffling : No 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 : Lord Mountbatten was the Viceroy when Simla conference took place.
Statement II : Indian Navy Revolt, 1946 took place when the Indian Sailors in the Royal Indian Navy at Bombay and Karachi rose against the Government.
In the light of the above statements, choose the most appropriate answer from the options given below:

1. Both Statement I and Statement II are true

2. Both Statement I and Statement are false

3. Statement I is true but Statement II is false

4. Statement I is false but Statement II is true

Options :
686340155693. 1
686340155694. 2
686340155695. 3
686340155696. 4

Question Number : 25 Question Id : 68634039422 Question Type : MCQ Option Shuffling : No 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 gas which is present in both natural gas and bio-gas is _____.

1. Methane
2. Carbon Monoxide
3. Hydrogen
4. Butane

Options :
686340155697. 1
686340155698. 2
686340155699. 3
686340155700. 4

Question Number : 25 Question Id : 68634039422 Question Type : MCQ Option Shuffling : No 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 gas which is present in both natural gas and bio-gas is _____.

1. Methane
2. Carbon Monoxide
3. Hydrogen
4. Butane

Options :
686340155697. 1
686340155698. 2
686340155699. 3
686340155700. 4

Part B: Biochemistry

Section Id :	686340776
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 :	6863401297
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 26 Question Id : 68634039423 Question Type : MCQ Option Shuffling : No 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 statement is true about nucleoside?

1. Nitrogenous base attached to OH of C-1' of pentose sugar
2. Phosphoryl group attached to C-5' of pentose sugar
3. Phosphoryl group attached to C-3' of pentose sugar
4. Phosphate group is attached to 2' C of pentose sugar

Options :
686340155701. 1
686340155702. 2
686340155703. 3
686340155704. 4

Question Number : 26 Question Id : 68634039423 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

न्यूक्लियोसाइड के बारे में इनमें से कौन सा कथन सत्य है?

1. नाइट्रोजनी क्षार पेंटोज शर्करा के 1'C पर OH से जुड़ता है।
2. पेंटोज शर्करा के 5'C से फॉस्फोराइल समूह जुड़ता है।
3. पेंटोज शर्करा के 3'C से फॉस्फोराइल समूह जुड़ता है।
4. पेंटोज शर्करा के 2'C से फॉस्फेट समूह जुड़ता है।

Options :
686340155701. 1
686340155702. 2
686340155703. 3
686340155704. 4

Question Number : 27 Question Id : 68634039424 Question Type : MCQ Option Shuffling : No 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 an amino acid?

1. Tryptophan

2. Proline

3. Lysine

4. Phenylalanine

Options :
686340155705. 1
686340155706. 2
686340155707. 3
686340155708. 4

Question Number : 27 Question Id : 68634039424 Question Type : MCQ Option Shuffling : No 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 अमीनो अम्ल है?

1. ट्रिप्टोफेन

2. प्रोलीन

3. लाइसीन

4. फिनाइलएलेनीन

Options :
686340155705. 1
686340155706. 2
686340155707. 3
686340155708. 4

Question Number : 28 Question Id : 68634039425 Question Type : MCQ Option Shuffling : No 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 antibodies can cross the placenta?

1. IgA

2. IgG

3. IgM

4. IgE

Options :
686340155709. 1

686340155710. 2
686340155711. 3
686340155712. 4

Question Number : 28 Question Id : 68634039425 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा प्रतिरक्षी अपरा के पार जा सकता है?

1. IgA
2. IgG
3. IgM
4. IgE

Options :
686340155709. 1
686340155710. 2
686340155711. 3
686340155712. 4

Question Number : 29 Question Id : 68634039426 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

What is the net charge of glutamate at pH 7?

1. +1
2. 0
3. +2
4. –1

Options :
686340155713. 1
686340155714. 2
686340155715. 3
686340155716. 4

Question Number : 29 Question Id : 68634039426 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

pH 7 पर ग्लूटामेट पर सकल आवेश क्या होता है?

1. +1

2. 0

3. +2

4. –1

Options :
686340155713. 1
686340155714. 2
686340155715. 3
686340155716. 4

Question Number : 30 Question Id : 68634039427 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Non-active protein part of an enzyme that requires cofactor for activation is

1. apoenzyme

2. holoenzyme

3. coenzyme

4. ribozyme

Options :
686340155717. 1
686340155718. 2
686340155719. 3
686340155720. 4

Question Number : 30 Question Id : 68634039427 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

किसी एन्जाइम का अक्रियप्रोटीन भाग, जिसे सक्रियता के लिए सह कारक की आवश्यकता होती है, वह है :

1. एपोएंजाइम

2. होलोएंजाइम

3. कोएंजाइम

4. राइबोजाइम

Options :
686340155717. 1

686340155718. 2
686340155719. 3
686340155720. 4

Question Number : 31 Question Id : 68634039428 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Insulin-dependent glucose uptake by adipose tissue is the result of

1. cotransport of glucose with sodium against concentration gradient
2. simple diffusion of glucose down the concentration gradient
3. ATP-dependent transport of glucose against concentration gradient
4. transfer of GLUT transporters from intracellular vesicles to cell membrane

Options :
686340155721. 1
686340155722. 2
686340155723. 3
686340155724. 4

Question Number : 31 Question Id : 68634039428 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

वसा ऊतक द्वारा इंसुलिन पर निर्भर ग्लूकोज का अवशोषण, परिणाम है –

1. सांद्रता प्रवणता के विरुद्ध सोडियम के साथ ग्लूकोज का सह-परिवहन।
2. सांद्रता प्रवणता के साथ ग्लूकोज का सामान्य प्रसार
3. सांद्रता प्रवणता के विरुद्ध ग्लूकोज का ATP आधारित परिवहन
4. अंतराकोशिकीय पुटिकाओं से कोशिका झिल्ली में GLUT परिवाहक का स्थानांतरण

Options :
686340155721. 1
686340155722. 2
686340155723. 3
686340155724. 4

Question Number : 32 Question Id : 68634039429 Question Type : MCQ Option Shuffling : No 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 motor proteins is involved in intracellular transport along microtubules?

1. Myosin
2. Kinesin
3. Dynein
4. Both Myosin and Dynein

Options :
686340155725. 1
686340155726. 2
686340155727. 3
686340155728. 4

Question Number : 32 Question Id : 68634039429 Question Type : MCQ Option Shuffling : No 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 प्रेरक (motor) प्रोटीन्स में से कौन सूक्ष्म नलिकाओं में अन्तराकोशिकीय परिवहन में सम्मिलित है?

1. मायोसिन
2. काइनेसिन
3. डाइनोन
4. मायोसिन और डाइनीन दोनों

Options :
686340155725. 1
686340155726. 2
686340155727. 3
686340155728. 4

Question Number : 33 Question Id : 68634039430 Question Type : MCQ Option Shuffling : No 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 cellular organelle is involved in Tay-Sachs disease (TSD)?

1. Golgi
2. Lysosomes
3. Endoplasmic reticulum
4. Mitochondria

Options :
686340155729. 1

686340155730. 2
686340155731. 3
686340155732. 4

Question Number : 33 Question Id : 68634039430 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा कोशिकांग टे-सेच (Tay-Sachs) रोग (TSD) में सम्मिलि है?

1. गॉल्जी
2. लाइसोसोम
3. अन्तःप्रद्रव् जालिका
4. माइटोकॉन्ड्रिया

Options :
686340155729. 1
686340155730. 2
686340155731. 3
686340155732. 4

Question Number : 34 Question Id : 68634039431 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

During DNA repair , which of the following enzymes is involved in phosphodiester bond formation ?

1. DNA polymerase
2. DNA ligase
3. Phosphodiesterase
4. Primase

Options :
686340155733. 1
686340155734. 2
686340155735. 3
686340155736. 4

Question Number : 34 Question Id : 68634039431 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

डी एन ए की मरम्मत के दौरान, निम्नलिखित में से कौन सा एंजाइम फॉस्फोडाइएस्टर बंध निर्माण में सम्मिलित है?

1. डी.एन.ए. पॉलीमरेज
2. डी.एन.ए. लाइगेज
3. फॉस्फोडाइएस्टरीएज
4. प्राइमेज

Options :
686340155733. 1
686340155734. 2
686340155735. 3
686340155736. 4

Question Number : 35 Question Id : 68634039432 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

What is **not true** about endotoxin?

1. Endotoxin is heat-stable
2. Endotoxin is strongly immunogenic
3. Endotoxin is present in gram negative bacteria
4. Endotoxin is a lipid in nature

Options :
686340155737. 1
686340155738. 2
686340155739. 3
686340155740. 4

Question Number : 35 Question Id : 68634039432 Question Type : MCQ Option Shuffling : No 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 अन्तर्जीविष के बारे में क्या सही नही है?

1. अन्तर्जीवविष ऊष्मा-स्थिर है
2. अन्तर्जीवविष सुदृढ़ प्रतिरक्षात्मक है
3. अन्तर्जीवविष ग्राम नेगेटिव जीवाणु में पारा जाते है
4. अन्तर्जीवविष वसीय प्रकृति के होते हैं।

Options :

686340155737. 1
686340155738. 2
686340155739. 3
686340155740. 4

Question Number : 36 Question Id : 68634039433 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Upon re-exposure to a previous pathogen, which immune response will be most likely the fastest one?

1. Innate immunity
2. Complement activation
3. Adaptive immunity and immunological memory
4. Killer T cells

Options :
686340155741. 1
686340155742. 2
686340155743. 3
686340155744. 4

Question Number : 36 Question Id : 68634039433 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

रोगजनक के पुनः प्रभावन पर, कौन से प्रतिरक्षी आवेग के तीव्रतम होने की सम्भावना होती है?

1. सहज प्रतिरक्षा
2. पूरक सक्रियकरण
3. अनुकूलित प्रतिरक्षा और प्रतिरक्षी स्मृति
4. घातक T-कोशिकाएं

Options :
686340155741. 1
686340155742. 2
686340155743. 3
686340155744. 4

Question Number : 37 Question Id : 68634039434 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

What is true about MHC class II?

1. Present extracellular peptides to CD8+ cells
2. Present intracellular peptides to CD8+ cells
3. Present extracellular peptides to CD4+ cells
4. Present intracellular peptides to CD4+ cells

Options :
686340155745. 1
686340155746. 2
686340155747. 3
686340155748. 4

Question Number : 37 Question Id : 68634039434 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

MHC वर्ग (class) II के बारे में क्या सत्य है?

1. बाह्य कोशिकीय पेप्टाइड की CD 8+ कोशिकाओं में उपस्थित होता है।
2. अन्तः कोशिकीय पेप्टाइड की CD 8+ कोशिकाओं में उपस्थित होता है।
3. बाह्य कोशिकीय पेप्टाइड की CD 4+ कोशिकाओं में उपस्थित होता है।
4. अन्तः कोशिकीय पेप्टाइड की CD 4+ कोशिकाओं में उपस्थित होता है।

Options :
686340155745. 1
686340155746. 2
686340155747. 3
686340155748. 4

Question Number : 38 Question Id : 68634039435 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Patients with Galactosemia are advised not to take dairy products because

1. they have defective β-galactosidase and cannot digest lactose in dairy products
2. they cannot metabolize galactose digestion product of lactose
3. they cannot digest the fats present in dairy products
4. they cannot digest the proteins present in dairy products

Options :
686340155749. 1

686340155750. 2
686340155751. 3
686340155752. 4

Question Number : 38 Question Id : 68634039435 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

गेलेक्टोसेमिया के रोगी को डेयरी उत्पादों को नहीं लेने की सलाह दी जाती है, क्यों कि :

1. उनमें दोषयुक्त β-गेलेक्टोसाइडेज होता है और वे डेयरी उत्पादों में उपास्थित लेक्टोज का पाचन नहीं कर सक्ते।
2. वे लेक्टोज के उत्पाद गैलेक्टोज का पाचन, उपापचय नहीं कर सकते।
3. वे डेयरी उत्पादों में उपस्थित वसा का पाचन नहीं कर सकते
4. वे डेयरी उत्पादों में उपास्थित प्रोटीन का पाचन नहीं कर सकते

Options :
686340155749. 1
686340155750. 2
686340155751. 3
686340155752. 4

Question Number : 39 Question Id : 68634039436 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Glycerol kinase is not expressed in

1. adipose tissue
2. liver
3. kidney
4. heart

Options :
686340155753. 1
686340155754. 2
686340155755. 3
686340155756. 4

Question Number : 39 Question Id : 68634039436 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

ग्लिसरोल काइनेज अभिव्यक्त नही होता :

1. एडियोज ऊतकों में

2. यकृत में

3. वृक्क (गुर्दे) में

4. हृदय में

Options :

686340155753. 1

686340155754. 2

686340155755. 3

686340155756. 4

Question Number : 40 Question Id : 68634039437 Question Type : MCQ Option Shuffling : No 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 prolonged starvation, a minimum glucose level is maintained for supplying glucose to brain and RBCs. This is achieved by

1. glycogenolysis in liver

2. gluconeogenesis in liver and kidney

3. glycogenolysis in muscle

4. gluconeogenesis in muscle and liver

Options :

686340155757. 1

686340155758. 2

686340155759. 3

686340155760. 4

Question Number : 40 Question Id : 68634039437 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

लम्बे समय तक भूखा रहने की स्थिति में, मस्तिष्क और R.B.Cs को ग्लूकोज की आपूर्ति के लिए, न्यूनतम ग्लूकोज का स्तर बनाए रखा जाता है। यह प्राप्त किया जाता है :

1. यकृत में ग्लाइकोजेनोलाइसिस द्वारा
2. यकृत और वृक्क (गुर्दे) में ग्लूकोनियोजिनेसिस द्वारा
3. पेशियों में ग्लाइकोजेनोलाइसिस द्वारा
4. पेशियों और यकृत में ग्लूकोनियोजिनेसिस द्वारा

Options :
686340155757. 1
686340155758. 2
686340155759. 3
686340155760. 4

Question Number : 41 Question Id : 68634039438 Question Type : MCQ Option Shuffling : No 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 a cis-acting element?

1. cAMP response binding protein
2. Operator
3. Repressor
4. Terminator

Options :
686340155761. 1
686340155762. 2
686340155763. 3
686340155764. 4

Question Number : 41 Question Id : 68634039438 Question Type : MCQ Option Shuffling : No 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 एक सीस विनियामक तत्व है :

1. cAMP अनुक्रिया बंधनीय प्रोटीन
2. प्रचालक
3. दमनकारी
4. समापक

Options :
686340155761. 1
686340155762. 2
686340155763. 3
686340155764. 4

Question Number : 42 Question Id : 68634039439 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Oligomycin blocks the electron transport chain by

1. inhibiting the complex III
2. inhibiting ATP synthesis by preventing influx of protons through ATP synthase
3. inhibiting the complex IV
4. inhibiting the complex III and IV both

Options :
686340155765. 1
686340155766. 2
686340155767. 3
686340155768. 4

Question Number : 42 Question Id : 68634039439 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

ऑलिगोमाइसिन इलेक्ट्रॉन परिवहन तन्त्र को अवरुद्ध कर देता है :

1. कॉम्पलेक्स III को अवरुद्ध करके
2. ATP सिन्थेज के द्वारा, प्रोटोन के आगमन को रोककर, ATP संश्लेषण को अवरुद्ध करना
3. कॉम्पलेक्स IV को अवरुद्ध करके
4. कॉम्पलेक्स III और IV, दोनों को अवरुद्ध करके

Options :
686340155765. 1
686340155766. 2
686340155767. 3
686340155768. 4

Question Number : 43 Question Id : 68634039440 Question Type : MCQ Option Shuffling : No 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 ATP molecules are produced for each molecule of FADH2 oxidized via the respiratory chain?

1. 0.5

2. 1

3. 1.5

4. 2

Options :
686340155769. 1
686340155770. 2
686340155771. 3
686340155772. 4

Question Number : 43 Question Id : 68634039440 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

श्वसन श्रंखला के द्वारा प्रत्येक FADH2 के अणुके अपचयन से कितने ATP अणु उत्पन्त होते हैं?

1. 0.5

2. 1

3. 1.5

4. 2

Options :
686340155769. 1
686340155770. 2
686340155771. 3
686340155772. 4

Question Number : 44 Question Id : 68634039441 Question Type : MCQ Option Shuffling : No 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 *E.* coli, pur repressor regulates the expression of more genes as compared to lac repressor because

1. pur repressor binds to DNA without corepressor

2. pur repressor is expressed at a much higher level

3. there are more pur operator sequences in *E.* coli genome

4. pur repressor is expressed at a much lower level

Options :
686340155773. 1
686340155774. 2

686340155775. 3
686340155776. 4

Question Number : 44 Question Id : 68634039441 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

ई. कोलाई में Pur R (पर दमनकारी), लैक दमनकारी को तुलना में अधिक जीनों के नियमन की अभिव्यक्त करता है, क्योंकि :

1. पर दमनकारी, बिना सह दमनकारी के डी एन ए से आबंधन करता है।
2. पर दमनकारी अधिक ऊँचे स्तर पर अभिव्यक्त होता है।
3. ई. कोलाई के जीनोम में अधिक Pur (पर) प्रचालक अनुक्रम होते हैं।
4. पर दमनकारी अधिक नीचे स्तर पर अभिव्यक्त होता है।

Options :
686340155773. 1
686340155774. 2
686340155775. 3
686340155776. 4

Question Number : 45 Question Id : 68634039442 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Glomerular filtration rate is determined by creatinine clearance test and inulin clearance test. Which of the following statements is true about GFR?

1. Inulin clearance gives the exact measurement of GFR.
2. Creatinine clearance gives the exact measurement of GFR.
3. Inulin clearance overestimates GFR.
4. Both inulin and creatinine clearance overestimate GFR.

Options :
686340155777. 1
686340155778. 2
686340155779. 3
686340155780. 4

Question Number : 45 Question Id : 68634039442 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

गुच्छीय निस्यंदन दर का निर्धारण क्रिएटिनीन निष्पादन जाँच और इनुलिन निष्पादन जाँच द्वारा होता है। जी एफ आर के बारे में निम्न

1. इनुलिन निष्पादन, GFR का यथार्थ आमाप प्रदान करता है।
2. क्रिएटिनीन निष्पादन, GFR का यथार्थ आमाप प्रदान करता है।
3. इनुलिन निष्पादन GFR का वास्तविकता से अधिक अनुमान देता है।
4. इनुलिन और क्रिएटिनीन दोनों का निष्पादन GFR का वास्तवीकता अधिकअनुमान देते हैं।

Options :

686340155777. 1
686340155778. 2
686340155779. 3
686340155780. 4

Question Number : 46 Question Id : 68634039443 Question Type : MCQ Option Shuffling : No 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 hepatocellular disease

1. only conjugated bilirubin levels are increased
2. only unconjugated bilirubin levels are increased
3. both conjugated and unconjugated bilirubin levels are increased
4. conjugated bilirubin levels are increased and unconjugated bilirubin levels are decreased

Options :

686340155781. 1
686340155782. 2
686340155783. 3
686340155784. 4

Question Number : 46 Question Id : 68634039443 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

हेपेटोकोशिकीय रोग में होता है :

1. केवल संयुग्मित बिलीरुबिन के स्तर में वृद्धि
2. केवल असंयुग्मित बिलीरुबिन के स्तर में वृद्धि
3. संयुग्मित और असंयुग्मित बिलीरुबिन, दोनो के स्तर में वृद्धि
4. संयुग्मित बिलीरुबिन के स्तर में वृद्धि और असंयुग्मित बिलीरुबिन के स्तर में कमी

Options :
686340155781. 1
686340155782. 2
686340155783. 3
686340155784. 4

Question Number : 47 Question Id : 68634039444 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

AST / ALT ratio is decreased in

1. myocardial infarction
2. acute hepatocellular damage
3. damaged kidney
4. both damaged kidney and heart

Options :
686340155785. 1
686340155786. 2
686340155787. 3
686340155788. 4

Question Number : 47 Question Id : 68634039444 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

AST / ALT अनुपात में कमी होती है।

1. दिल का दौरा (मायोकार्डियल इंफाक्रशन)
2. तीव्र हेपेटो कोशिकीय क्षत
3. गुर्दे की क्षाति
4. दिल और गुर्दे, दोनों की क्षति

Options :

686340155785. 1
686340155786. 2
686340155787. 3
686340155788. 4

Question Number : 48 Question Id : 68634039445 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

At 50% saturation, each Hb molecule has _____ bound.

1. one O_2 molecule
2. two O_2 molecules
3. three O_2 molecules
4. four O_2 molecules

Options :
686340155789. 1
686340155790. 2
686340155791. 3
686340155792. 4

Question Number : 48 Question Id : 68634039445 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

50% संतृप्तता में प्रत्येक Hb अणु _____ अणुओं को संबंद्ध/बंधन करता है।

1. एक O_2
2. दो O_2
3. तीन O_2
4. चार O_2

Options :
686340155789. 1
686340155790. 2
686340155791. 3
686340155792. 4

Question Number : 49 Question Id : 68634039446 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Internal respiration occurs in

1. nose

2. lungs

3. heart

4. tissue throughout the body

Options :
686340155793. 1
686340155794. 2
686340155795. 3
686340155796. 4

Question Number : 49 Question Id : 68634039446 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

आन्तरिक श्वसन होता है :

1. नाक में

2. फुफ्फुस (फेफडो में)

3. हृदय में

4. संपूर्ण शरीर के ऊतकों में

Options :
686340155793. 1
686340155794. 2
686340155795. 3
686340155796. 4

Question Number : 50 Question Id : 68634039447 Question Type : MCQ Option Shuffling : No 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 factors affects the affinity of hemoglobin for oxygen?

1. pH

2. Temperature

3. Binding of 2,3-bisphosphoglycerate

4. pH, temperature and binding of 2,3-bisphosphoglycerate

Options :
686340155797. 1

686340155798. 2
686340155799. 3
686340155800. 4

Question Number : 50 Question Id : 68634039447 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा/से कारक हीमोग्लोबिन की ऑक्सीजन के साथ लगाव/आबंधन को प्रभावित करता/ते?

1. pH
2. तापमान
3. 2,3-बिशफॉस्फोग्लाइसिरेट का आबंधन
4. pH, तापमान और 2,3-बिशफॉस्फोग्लाइसिरेट का आबंधन

Options :
686340155797. 1
686340155798. 2
686340155799. 3
686340155800. 4

Question Number : 51 Question Id : 68634039448 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

To solve the mystery of spoilage of wine, Pasteur observed yeast and bacteria in the fermented grape juice (wine). Through a series of experiments, he proved

1. yeast and bacteria are required for fermentation of grape juice/ alcohol formation
2. yeasts is required for fermentation/alcohol formation and bacteria result in spoilage of wine
3. bacteria are required for alcohol formation and yeasts result in spoilage of alcohol
4. both yeast and bacteria result in spoilage of alcohol

Options :
686340155801. 1
686340155802. 2
686340155803. 3
686340155804. 4

Question Number : 51 Question Id : 68634039448 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

शराब के नुकसान के रहस्य के समाधान के समाधान के लिए पॉस्चर ने किण्वित अंगूर के रस (शराब) में यीस्ट और जीवाणुओं का प्रेक्षण किया। प्रयोगों की कड़ी में उसने सिद्ध किया कि :

1. अंगूर के रस से एल्कोहल के निर्माण के लिए यीस्ट और जीवाणुओं द्वारा किण्वन आवश्यक है।

2. यीस्ट, किण्वन के लिए ऐल्कोहल निर्माण के लिए आवश्यक हैं जबकि जीवाणु शराब को नुकसान पहुंचाते हैं।

3. जीवाणु ऐल्कोहल निर्माण के लिए आवश्यक है जबकि यीस्ट ऐल्कोहल को नुकसान पहुंचाते हैं।

4. यीस्ट और बैक्टीरिया, दोनों ऐल्कोहल को नुकसान पहुँचाते हैं।

Options :
686340155801. 1
686340155802. 2
686340155803. 3
686340155804. 4

Question Number : 52 Question Id : 68634039449 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Penicillin, the first found natural antibiotic acts by

1. inhibiting protein synthesis

2. inhibiting cell wall synthesis

3. inhibiting DNA replication

4. disrupting the cell membrane

Options :
686340155805. 1
686340155806. 2
686340155807. 3
686340155808. 4

Question Number : 52 Question Id : 68634039449 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

सर्वप्रथम ज्ञात प्रतिजैविक पेंसिलीन , कार्य करता है:

1. प्रोटीन संश्लेषण में अवरोध द्वारा

2. कोशिका भित्ती संश्लेषण में अवरोध द्वारा

3. डी एन ए प्रतिकृतियन में अवरोध द्वारा

4. कोशिका झिल्ली को नष्ट करके

Options :
686340155805. 1
686340155806. 2
686340155807. 3
686340155808. 4

Question Number : 53 Question Id : 68634039450 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Some microbes survive or grow at very high temperatures because of

1. heat-shock protein synthesis
2. molecular chaperones to prevent or repair protein denaturation
3. thermostability of enzymes
4. heat-shock protein synthesis, molecular chaperones to prevent or repair protein denaturation and thermostability of enzymes

Options :
686340155809. 1
686340155810. 2
686340155811. 3
686340155812. 4

Question Number : 53 Question Id : 68634039450 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

कुछ सूक्ष्मजीव बहुत ऊँचे तापमान पर भी जीवित रहते हैं या वृद्धि करते हैं, क्योंकि:

1. ताप-आघात प्रोटीन संश्लेषण
2. प्रोटीन निष्क्रियकरण से बचाव या मरम्मत के लिए आण्विक सुरक्षा
3. एंजाइम्स की ताप-स्थिरता
4. उपरोक्त सभी

Options :
686340155809. 1
686340155810. 2
686340155811. 3
686340155812. 4

Question Number : 54 Question Id : 68634039451 Question Type : MCQ Option Shuffling : No 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 scientist to prove the Germ Theory of disease?

1. Robert Koch

2. Edward Jenner

3. Louis Pasteur

4. Joseph Lister

Options :
686340155813. 1
686340155814. 2
686340155815. 3
686340155816. 4

Question Number : 54 Question Id : 68634039451 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

रोग के 'रोगाणु सिद्धान्त' को सिद्ध करने वाले प्रथम वैज्ञानिक थे?

1. रॉबर्ट कोच

2. एडवर्ड जेनर

3. लुईस पॉस्चर

4. जोसेफ लिस्टर

Options :
686340155813. 1
686340155814. 2
686340155815. 3
686340155816. 4

Question Number : 55 Question Id : 68634039452 Question Type : MCQ Option Shuffling : No 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 polarized epithelial cells of PCT of kidney, the difference in apical and basolateral membrane is maintained by

1. tight junctions

2. microvilli

3. desmosomes

4. hemidesmosomes

Options :

686340155817. 1
686340155818. 2
686340155819. 3
686340155820. 4

Question Number : 55 Question Id : 68634039452 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

वृक्क की PCT की ध्रुवीय उपकला कोशिकाओं को शीर्ष ओर पार्श्व आधारीय झिल्लियों की देख-रेख की जाती है :

1. दृढ संधियों द्वारा
2. माइक्रोविली द्वारा
3. डेस्मोसोम्स द्वारा
4. हेमीडेस्मोसोम्स द्वारा

Options :
686340155817. 1
686340155818. 2
686340155819. 3
686340155820. 4

Question Number : 56 Question Id : 68634039453 Question Type : MCQ Option Shuffling : No 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 a double-stranded DNA has 30% Guanine, what will be the percentage of Adenine?

1. 40%
2. 20%
3. 30%
4. 15%

Options :
686340155821. 1
686340155822. 2
686340155823. 3
686340155824. 4

Question Number : 56 Question Id : 68634039453 Question Type : MCQ Option Shuffling : No 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 द्विरज्जुक डी एन ए में 30% ग्वानिन है। इसमें एडेनीन की प्रतिशतता क्या होगी?

1. 40%

2. 20%

3. 30%

4. 15%

Options :

686340155821. 1
686340155822. 2
686340155823. 3
686340155824. 4

Question Number : 57 Question Id : 68634039454 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Recognition sequence of Restriction Endonuclease : BamH1 is

1. ---AAGCTA---
   ---TTCGAT----

2. —GGATCC—
   —CCTAGG —

3. —GTACAG—
   —CATGTC —

4. —AGATCA—
   —TCTAGT —

Options :

686340155825. 1
686340155826. 2
686340155827. 3
686340155828. 4

Question Number : 57 Question Id : 68634039454 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

प्रतिबंधन एंडोन्यूक्लिएज BamH1 का समीक्षा/पहचान अनुक्रम है:

1. ---AAGCTA---
   ---TTCGAT----

2. —GGATCC—
   —CCTAGG —

3. —GTACAG—
   —CATGTC —

4. —AGATCA—
   —TCTAGT —

Options :

686340155825. 1

686340155826. 2

686340155827. 3

686340155828. 4

Question Number : 58 Question Id : 68634039455 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements is **not** correct?

1. The presence of an enzyme has no effect on ΔG^0

2. At equilibrium, the rate constants of forward and backward reaction are equal.

3. Active site histidyl residues frequently aid catalysis by acting as proton donors and acceptors.

4. Enzymes lower the activation energy for a reaction.

Options :

686340155829. 1

686340155830. 2

686340155831. 3

686340155832. 4

Question Number : 58 Question Id : 68634039455 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा कथन सत्य नहीं है?

1. ΔG^0 पर एंजाइम की उपस्थिती का कोई प्रभाव नहीं होता
2. साम्यता की स्थिती में अनुगामी और पश्चगामी अभिक्रियाओं के लिए स्थिरांक दर समान होती है
3. सक्रिय स्थल हिस्टीडाइल अवशेष प्राय: प्रोटीन दाताओं और ग्राहियों के रूप में कार्य करके उत्प्रेरण में सहायता करते हैं
4. एंजाइम अभिक्रिया की सक्रिय ऊर्जा को कम कर देते हैं

Options :

686340155829. 1
686340155830. 2
686340155831. 3
686340155832. 4

Question Number : 59 Question Id : 68634039456 Question Type : MCQ Option Shuffling : No 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 hypothetical enzymatic reaction

$$A \xrightarrow[1]{\text{enzyme}} B \xrightarrow[2]{\text{enzyme}} C$$

the end product C is allosteric inhibitor of Enzyme 1. C will also regulate the activity of Enzyme 1 by

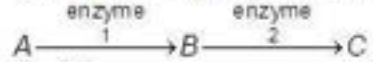
1. competitive inhibition
2. feedback inhibition
3. irreversible inhibition
4. competitive inhibition and irreversible inhibition both

Options :

686340155833. 1
686340155834. 2
686340155835. 3
686340155836. 4

Question Number : 59 Question Id : 68634039456 Question Type : MCQ Option Shuffling : No 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 वैकल्पिक एंजाइम अभिक्रिया



में अन्तिम उत्पाद C, एन्जाइम 1 का एलोस्टीयरिक अवरोधक है। C, एंजाइम 1 की क्रियाशीलता का नियमन भी करता है:

1. स्पर्धी अवरोधक द्वारा
2. प्रतिक्रिया अवरोधक द्वारा
3. अनुत्क्रमणीय अवरोधक द्वारा
4. स्पर्धी अवरोधक औरअनुत्क्रमणीय अवरोधक द्वारा

Options :

686340155833. 1
686340155834. 2
686340155835. 3
686340155836. 4

Question Number : 60 Question Id : 68634039457 Question Type : MCQ Option Shuffling : No 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 elements binds to protein and forms a critical DNA binding motif?

1. Manganese
2. Zinc
3. Cobalt
4. Copper

Options :

686340155837. 1
686340155838. 2
686340155839. 3
686340155840. 4

Question Number : 60 Question Id : 68634039457 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा तत्व प्रोटीन से आबंधन करता है और महत्वपूर्ण DNA आबंधन के उद्देश्य को पूर्ण करता है?

1. मैंगेनीज

2. जिंक

3. कोबाल्ट

4. कॉपर (ताँबा)

Options :
686340155837. 1
686340155838. 2
686340155839. 3
686340155840. 4

Question Number : 61 Question Id : 68634039458 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Kwashiorkor disease is linked with insufficient intake of

1. carbohydrates

2. proteins

3. vitamin C

4. electrolytes

Options :
686340155841. 1
686340155842. 2
686340155843. 3
686340155844. 4

Question Number : 61 Question Id : 68634039458 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

क्वाशियोरकॉर रोग का संबंध किसके अपर्याप्त अन्तर्ग्रहण से है :

1. कार्बोहाइड्रेट

2. प्रोटीन

3. विटामिन C

4. इलैक्ट्रोलाईट्स

Options :

686340155841. 1
686340155842. 2
686340155843. 3
686340155844. 4

Question Number : 62 Question Id : 68634039459 Question Type : MCQ Option Shuffling : No 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 groups consists of only aromatic compounds?

1. Tyrosine, Threonine and Phenylalanine
2. Phenol, Tyrosine and Phenylalanine
3. Phenol, Histidine and Tryptophan
4. Tyrosine, Phenylalanine and Proline

Options :
686340155845. 1
686340155846. 2
686340155847. 3
686340155848. 4

Question Number : 62 Question Id : 68634039459 Question Type : MCQ Option Shuffling : No 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 समूहों में से कौन सा समूह केवल चक्रीय (ऐरोमेटिक) यौगिकों का है?

1. टायरोसिन, थ्रेओनीन और फिनाइलएलेनीन
2. फीनोल, टायरोसीन और फिनाइलेनीन
3. फीनोल, हिस्टीडीन और ट्रिप्टोफेन
4. टायरोसिन, फिनाइलएलेनीन और प्रोलीन

Options :
686340155845. 1
686340155846. 2
686340155847. 3
686340155848. 4

Question Number : 63 Question Id : 68634039460 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Which of the following statements is true?

1. Molecular weight is expressed in Daltons.
2. Molecular mass is expressed in Daltons.
3. Relative molecular weight is expressed in Daltons.
4. Relative molecular mass is expressed in Daltons.

Options :
686340155849. 1
686340155850. 2
686340155851. 3
686340155852. 4

Question Number : 63 Question Id : 68634039460 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा कथन सही है?

1. अणुभार को डाल्टन में अभिव्यक्त किया जाता है
2. अणुद्रव्यमान को डाल्टन में अभिव्यक्त किया जाता है
3. तुल्य अणुभार डाल्टन में अभिव्यक्त किया जाता है
4. तुल्य अणुद्रव्यमान डाल्टन में अभिव्यक्त किया जाता है

Options :
686340155849. 1
686340155850. 2
686340155851. 3
686340155852. 4

Question Number : 64 Question Id : 68634039461 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Molarity is a better way of expressing the concentration of solution as compared to gram percent especially

1. under all conditions
2. for anhydrous molecules
3. for molecules with different hydrated states
4. for all solids and liquids

Options :
686340155853. 1

686340155854. 2
686340155855. 3
686340155856. 4

Question Number : 64 Question Id : 68634039461 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

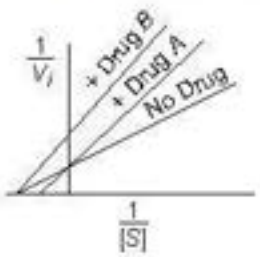
किसी विलयन की सांद्रता को अभिव्यक्त करने के लिए ग्राम प्रतिशत की तुलना में मोलरता एक बेहतर तरीका है, जो विशेषतया-

1. सभी परिस्थितियों में
2. निर्जलीय अणुओं के लिए
3. विभिन्न जलीय अवस्थाओं वाले अणुओं के लिए
4. सभी ठोस और द्रवों के लिए

Options :
686340155853. 1
686340155854. 2
686340155855. 3
686340155856. 4

Question Number : 65 Question Id : 68634039462 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Lineweaver-Burk plot of a viral enzyme in presence of two drugs is shown here. Which of the following statements regarding the actions of drugs is true?



A. Drug A acts as competitive inhibitor.
B. Drug B acts as competitive inhibitor.
C. Drug A acts as non-competitive inhibitor.
D. Drug B acts as non-competitive inhibitor.

1. A and B
2. A and D
3. B and C
4. C and D

Options :

686340155857. 1

686340155858. 2

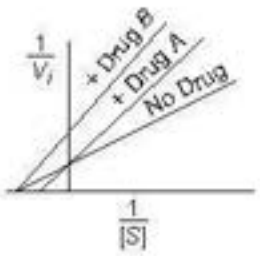
686340155859. 3

686340155860. 4

Question Number : 65 Question Id : 68634039462 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यहाँ दो ड्रग्स की उपस्थिती में विषाणवीय एंजाइम का लाइनवीवर बर्क प्लॉट दर्शाया गया है। ड्रग्स की क्रिया के लिए निम्नलिखित कथनों में मे कौन सही है?



A. ड्रग्स A एक स्पर्धी अवरोधक की तरह कार्य करती है
B. ड्रग्स B एक स्पर्धी अवरोधक की तरह कार्य करती है
C. ड्रग्स A एक अस्पर्धी अवरोधक की तरह कार्य करती है
D. ड्रग्स B एक अस्पर्धी अवरोधक की तरह कार्य करती है

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

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

Options :

686340155857. 1

686340155858. 2

686340155859. 3

686340155860. 4

Question Number : 66 Question Id : 68634039463 Question Type : MCQ Option Shuffling : No 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) : During starvation, when β-oxidation of fatty acids is predominant in liver, acetylCoA formed enters the citric acid cycle.
Reason (R) : AcetylCoA must combine with oxaloacetate to gain entry to the citric acid cycle.
In the light of the above statements, choose the most appropriate answer from the options given below.

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

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

3. (A) is correct but (R) is not correct

4. (A) is not correct but (R) is correct

Options :
686340155861. 1
686340155862. 2
686340155863. 3
686340155864. 4

Question Number : 66 Question Id : 68634039463 Question Type : MCQ Option Shuffling : No 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 : भूखे रहने की स्थिती में जब यकृत में वसीय अम्लों का β-आक्सीकरण सर्वाधिक होता है तो एसिटाइल CoA सिट्रिक अम्ल चक्र में प्रवेश करता है।
कारण R : एसिटाइल CoA को सिट्रिक अम्ल चक्र में प्रवेश पाने के लिए ऑक्सेलोएसीटेट के साथ आबंधन करना चाहिए।
उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही 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 हैं, लेकिन R सही नहीं है

4. A सही नहीं हैं, लेकिन R सही है

Options :
686340155861. 1
686340155862. 2
686340155863. 3
686340155864. 4

Question Number : 67 Question Id : 68634039464 Question Type : MCQ Option Shuffling : No 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) : Maternal blood O_2 saturation is quite low in placenta. Even at this lower saturation, O_2 is readily transferred to fetal blood.
Reason (R) : Fetal hemoglobin binds BPG less strongly, thus having higher affinity for O_2 as compared to adult hemoglobin.
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 :
686340155865. 1
686340155866. 2
686340155867. 3
686340155868. 4

Question Number : 67 Question Id : 68634039464 Question Type : MCQ Option Shuffling : No 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 : यद्यपि अपरा में मातृ रक्त की O_2 संतृप्तत बहुत कम होती है, तब भी इस कम संतृप्तता में O_2, भ्रूण के रक्त में आसानी से स्थानांतरित हो जाती है।
कारण R : भ्रूणीय हीमोग्लोबिन BPG के साथ कम मजबूत आबंधन करता है, जिससे इसमे व्यस्क के हीमोग्लोबिन की अपेक्षा O_2 के प्रति अधिक लगाव होता है।
उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही 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 हैं, लेकिन R सही नहीं है
4. A सही नहीं हैं, लेकिन R सही है

Options :
686340155865. 1
686340155866. 2
686340155867. 3
686340155868. 4

Question Number : 68 Question Id : 68634039465 Question Type : MCQ Option Shuffling : No 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) : Insulin acts on multiple tissues as compared to glucagon.
Reason (R) : Insulin is lipid soluble and easily passes through cell membrane of target cells.
In the light of the above statements, choose the most appropriate answer from the options given below.

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

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

3. (A) is correct but (R) is not correct

4. (A) is not correct but (R) is correct

Options :
686340155869. 1
686340155870. 2
686340155871. 3
686340155872. 4

Question Number : 68 Question Id : 68634039465 Question Type : MCQ Option Shuffling : No 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 : ग्लूकेगॉन की अपेक्ष, इंसुलिन गुणक ऊतकों की तरह कार्य करता है.
कारण R : इंसुलिन वसा में घुलनशील होता हैऔर यह लक्ष्य कोशिकाओं की कोशिका झिल्ली में आसानी से पार चला जाता है।
उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही 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 हैं, लेकिन R सही नहीं है

4. A सही नहीं हैं, लेकिन R सही है

Options :
686340155869. 1
686340155870. 2
686340155871. 3
686340155872. 4

Question Number : 69 Question Id : 68634039466 Question Type : MCQ Option Shuffling : No 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) : Oxidative phosphorylation—the synthesis of ATP from ADP and inorganic phosphate requires energy.
Reason (R) : The energy for oxidative phosphorylation is provided by the proton gradient generated during electron transport chain.
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 :
686340155873. 1
686340155874. 2
686340155875. 3
686340155876. 4

Question Number : 69 Question Id : 68634039466 Question Type : MCQ Option Shuffling : No 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 : ऑक्सीडेटिव फॉस्फोराइलेशन – ATP और अकार्बनिक फॉस्फेट से ADP के संश्लेषण के लिए ऊर्जा की आवश्यकता होते है।
कारण R : ऑक्सीडेटिव फॉस्फोराइलेशन के लिए ऊर्जा, इलैक्ट्रॉन परिवहन श्रृंखला के दौरान, प्रोटॉन प्रवाह जनित्र होने से प्रदान की जाती है।
उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही 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 हैं, लेकिन R सही नहीं है

4. A सही नहीं हैं, लेकिन R सही है

Options :
686340155873. 1
686340155874. 2
686340155875. 3
686340155876. 4

Question Number : 70 Question Id : 68634039467 Question Type : MCQ Option Shuffling : No 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) : Glucose gets trapped in extrahepatic tissues and does not move out of the cell.
Reason (R) : Glucokinase irreversibly phosphorylates glucose to glucose-6-phosphate in extrahepatic tissues. There are no transporters for glucose-6-phosphate and glucose gets trapped in extrahepatic tissues.
In the light of the above statements, choose the most appropriate answer from the options given below.

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

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

3. (A) is correct but (R) is not correct

4. (A) is not correct but (R) is correct

Options :
686340155877. 1
686340155878. 2
686340155879. 3
686340155880. 4

Question Number : 70 Question Id : 68634039467 Question Type : MCQ Option Shuffling : No 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 : ग्लूकोज अतिरिक्त हेपेटिक ऊतकों में संग्रहीत हो जाता है और कोशिका से बाहर नहीं जाता।
कारण R : अतिरिक्त हेपेटिक ऊतकों में ग्लूकोकाइनेज का फॉस्फोराइलेट ग्लूकोज से ग्लूकोज-6-फॉस्फेट में अनुक्रमण होता है। ग्लूकोज-6-फॉस्फेट का कोई परिवाहक न होने से यह अतिरिक्त हेपेटिक ऊतकों में संग्रहीत हो जाता है।
उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए :

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

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

3. A सही हैं, लेकिन R सही नहीं है

4. A सही नहीं हैं, लेकिन R सही है

Options :
686340155877. 1
686340155878. 2
686340155879. 3
686340155880. 4

Question Number : 71 Question Id : 68634039468 Question Type : MCQ Option Shuffling : No 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) : Salt is added as a preservative for storage of meat.
Reason (R) : Salt creates hypertonic environment and most bacteria cannot grow in hypertonic media.
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 :
686340155881. 1
686340155882. 2
686340155883. 3
686340155884. 4

Question Number : 71 Question Id : 68634039468 Question Type : MCQ Option Shuffling : No 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 : माँस के भंडारण के लिए, नमक को परिरक्षक के रूप में मिलाया जाता है।
कारण R : नमक एक अतिपरासरी वातावरण तैयार करता है और अधिकाँश जीवाणु अतिपरासरी माध्यम में वृद्धि नहीं कर सकते।
उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही 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 हैं, लेकिन R सही नहीं है

4. A सही नहीं हैं, लेकिन R सही है

Options :
686340155881. 1
686340155882. 2
686340155883. 3
686340155884. 4

Question Number : 72 Question Id : 68634039469 Question Type : MCQ Option Shuffling : No 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) : Restriction endonuclease cleave the foreign viral DNA inside the bacterial cell, but bacterial DNA is protected from Restriction Endonuclease attack.
Reason (R) : Bacterial DNA does not contain recognition sequence of restriction endonuclease.
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 :
686340155885. 1
686340155886. 2
686340155887. 3
686340155888. 4

Question Number : 72 Question Id : 68634039469 Question Type : MCQ Option Shuffling : No 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 : प्रतिबंधन एंडोन्यूक्लिएज, विजातीय, विषाणवीय डी एन ए का जीवीणु कोशिका के अन्दर विदलन करता है, परन्तु जीवाणुवीय डीएनए, प्रतिबंधन एंडोन्यूक्लिएज से बचा रहता है।
कारण R : जीवाणुवीय डीएनए में प्रतिबंधन एंडोन्यूक्लिएज से पहचान योग्य अनुक्रम नहीं होते।
उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही 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 हैं, लेकिन R सही नहीं है

4. A सही नहीं हैं, लेकिन R सही है

Options :
686340155885. 1
686340155886. 2
686340155887. 3
686340155888. 4

Question Number : 73 Question Id : 68634039470 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Enzymes involved in urea biosynthesis from ammonia are listed below. Arrange these in order of their actions :

A. Arginase
B. Ornithine carbonyl transferase
C. Argininosuccinate lyase
D. Carbamoyl phosphate synthetase I
E. Argininosuccinate synthetase

Choose the correct answer from the options given below.

1. E, D, C, B, A

2. D, A, B, C, E

3. A, B, C, D, E

4. D, B, E, C, A

Options :
686340155889. 1
686340155890. 2
686340155891. 3
686340155892. 4

Question Number : 73 Question Id : 68634039470 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

अमोनिया से यूरिया के जैव संश्लेषण में सम्मिलित एंजाइमों को नीचे सूचीबद्ध किया गया है। इन्हें, इनके क्रिया करने के क्रम में व्यवस्थित कीजिए:

A. आरजिनेज
B. ऑर्निथीन कार्बोनिल ट्रांस्फेरेज
C. आरजीनीनोसक्सीनेट लाइएज
D. कार्बामॉइल फॉस्फेट सिन्थेटेज-I
E. आरजीनीनो सक्सीनेट सिन्थेटेज

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

1. E, D, C, B, A

2. D, A, B, C, E

3. A, B, C, D, E

4. D, B, E, C, A

Options :
686340155889. 1
686340155890. 2
686340155891. 3

686340155892. 4

Question Number : 74 Question Id : 68634039471 Question Type : MCQ Option Shuffling : No 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 stages of infection process as they occur :

A. Evasion from host defence mechanism
B. Entry of pathogen
C. Damage to host cell
D. Exit from the host

Choose the correct answer from the options given below.

1. B, A, C, D

2. A, B, C, D

3. B, A, D, C

4. C, D, A, B

Options :
686340155893. 1
686340155894. 2
686340155895. 3
686340155896. 4

Question Number : 74 Question Id : 68634039471 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

संक्रमण की प्रक्रिया के विभिन्न चरणों को, जैसे वे होते हैं, उसी अनुक्रम में व्यवस्थित कीजिए:

A. पोषी के सुरक्षा तंत्र का अनुहरण
B. रोगजनक का प्रवेश
C. पोषी कोशिका को आघात (क्षति)
D. पोषी कोशिका से निर्वासन

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

1. B, A, C, D

2. A, B, C, D

3. B, A, D, C

4. C, D, A, B

Options :
686340155893. 1
686340155894. 2

686340155895. 3
686340155896. 4

Question Number : 75 Question Id : 68634039472 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Arrange the following stages of bacterial growth curve chronologically :

A. Lag phase
B. Stationary phase
C. Log phase
D. Death phase

Choose the correct answer from the options given below.

1. A, B, C, D

2. B, A, C, D

3. C, A, B, D

4. A, C, B, D

Options :
686340155897. 1
686340155898. 2
686340155899. 3
686340155900. 4

Question Number : 75 Question Id : 68634039472 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

जीवाणुवीय वृद्धि वक्र की निम्नलिखित अवस्थाओं को उचित अनुक्रम में व्यवस्थित कीजिए:

A. अंतराल चरण (लैगफेज़)
B. स्थैतिक चरण (स्टेशनरी फेज)
C. लॉग चरण
D. मृत्यु चरण

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

1. A, B, C, D

2. B, A, C, D

3. C, A, B, D

4. A, C, B, D

Options :
686340155897. 1

686340155898. 2
686340155899. 3
686340155900. 4

Question Number : 76 Question Id : 68634039473 Question Type : MCQ Option Shuffling : No 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 steps in processing and presenting of an endogenous antigen by an infected body cell as they occur :

A. Binding of peptide fragments to MHC-I molecule
B. Digestion of antigen into peptide fragments
C. Synthesis of MHC-I molecules
D. Packaging of antigen–MHC-I molecule
E. Insertion of antigen–MHC-I complex into plasma membrane

Choose the correct answer from the options given below.

1. A, B, C, D, E

2. C, D, A, B, E

3. B, C, A, D, E

4. B, C, D, A, E

Options :
686340155901. 1
686340155902. 2
686340155903. 3
686340155904. 4

Question Number : 76 Question Id : 68634039473 Question Type : MCQ Option Shuffling : No 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 संक्रमित शारीरिक कोशिका द्वारा एक अंतर्जात एंटीजन की प्रसंस्करण और प्रस्तुतिकरण के चरणों को, जैसे वे होते है, उसी अनुक्रम में व्यवस्थित कीजिए:

A. पेप्टाइड खंडों का MHC-I अणु से आबंधन
B. एन्टीजन का पेप्टाइड खंडों में पाचन
C. MHC-I अणु का संश्लेषण
D. एंटीजन–MHC-I अणु की पैकेजिंग
E. एंटीजन–MHC-I सम्मिश्र का प्लाज्मा झिल्ली में प्रवेश

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

1. A, B, C, D, E

2. C, D, A, B, E

3. B, C, A, D, E

4. B, C, D, A, E

Options :
686340155901. 1
686340155902. 2
686340155903. 3
686340155904. 4

Question Number : 77 Question Id : 68634039474 Question Type : MCQ Option Shuffling : No 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 expression is controlled at various stages written below. Arrange these stages in chronological order :

A. Transcription
B. Translation
C. Post-transcription
D. Epigenetic regulation
E. Post-translation

Choose the correct answer from the options given below.

1. A, B, C, D, E

2. A, C, B, E, D

3. B, C, A, D, E

4. D, A, C, B, E

Options :
686340155905. 1
686340155906. 2
686340155907. 3
686340155908. 4

Question Number : 77 Question Id : 68634039474 Question Type : MCQ Option Shuffling : No 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 अभिव्यक्ति विभिन्न चरणों द्वारा नियंत्रित होती है। नीचे लिखे चरणों को क्रमबद्ध रूप में व्यवस्थित कीजिए:

A. अनुलेखन
B. रूपांतरण
C. पश्च-अनुलेखन
D. एपिजेनेटिक
E. पश्च रूपांतरण

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

1. A, B, C, D, E

2. A, C, B, E, D

3. B, C, A, D, E

4. D, A, C, B, E

Options :
686340155905. 1
686340155906. 2
686340155907. 3
686340155908. 4

Question Number : 78 Question Id : 68634039475 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Proteins involved in DNA replication are written below. Arrange them chronologically in terms of function :

A. DNA polymerase I
B. DNA polymerase III
C. Helicase
D. Ligase
E. Primase

Choose the correct answer from the options given below.

1. C, E, B, D, A

2. C, E, B, A, D

3. A, B, C, D, E

4. B, A, C, E, D

Options :
686340155909. 1

686340155910. 2
686340155911. 3
686340155912. 4

Question Number : 78 Question Id : 68634039475 Question Type : MCQ Option Shuffling : No 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 प्रतिकृतियन में सम्मिलित प्रोटीन नीचे दिए गए हैं। इनके कार्यों के आधार पर इन्हें उचित अनुक्रम में व्यवस्थित कीजिए:

A. डीएनए पॉलीमरेज I
B. डीएनए पॉलीमरेज III
C. हेलीकेज
D. लाइगेज
E. प्राइमेज

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

1. C, E, B, D, A

2. C, E, B, A, D

3. A, B, C, D, E

4. B, A, C, E, D

Options :
686340155909. 1
686340155910. 2
686340155911. 3
686340155912. 4

Question Number : 79 Question Id : 68634039476 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Arrange the following steps of cell signalling in chronological order :

A. Reception
B. Generation of signal
C. Response
D. Transduction

Choose the correct answer from the options given below.

1. B, A, D, C

2. A, B, C, D

3. D, C, B, A

4. B, D, A, C

Options :
686340155913. 1
686340155914. 2
686340155915. 3
686340155916. 4

Question Number : 79 Question Id : 68634039476 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

कोशिका संकेतन के निम्नलिखित चरणों को क्रमबद्ध रूप में व्यवस्थित कीजिए:

A. स्वागत (Reception)
B. संकेतों का जनित्र होना
C. अनुक्रिया
D. पारगमन (Transduction)

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

1. B, A, D, C

2. A, B, C, D

3. D, C, B, A

4. B, D, A, C

Options :
686340155913. 1
686340155914. 2
686340155915. 3
686340155916. 4

Question Number : 80 Question Id : 68634039477 Question Type : MCQ Option Shuffling : No 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 : Histone acetylation is generally associated with decrease in gene transcription.
Statement–II : Acetylation occurs on lysine residues in the N-terminal tails of histones.
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 :
686340155917. 1
686340155918. 2
686340155919. 3
686340155920. 4

Question Number : 80 Question Id : 68634039477 Question Type : MCQ Option Shuffling : No 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 : हिस्टोन एसिटाइलेशन सामान्यत: जीन अनुलेखन में कमी से सम्बद्ध होता है।
कथन II : एसिटाइलेशन, हिस्टोन के N-सिरे की पुच्छ में लाइसीन अवशेषों में होता है।
उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तरका चयन कीजिए:

1. कथन I और II दोनों सत्य है

2. कथन I और II दोनों असत्य है

3. कथन I सत्य है, लेकिन कथन II असत्य है

4. कथन I असत्य है, लेकिन कथन II सत्य है

Options :
686340155917. 1
686340155918. 2
686340155919. 3
686340155920. 4

Question Number : 81 Question Id : 68634039478 Question Type : MCQ Option Shuffling : No 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 : Mutation in the middle of a gene that creates stop codon is called frameshift mutation.
Statement–II : Frameshift mutation can be a point mutation.
In the light of the above statements, choose the most appropriate answer from the options given below.

1. Both Statement–I and Statement–II are true

2. Both Statement–I and Statement–II are false

3. Statement–I is true but Statement–II is false

4. Statement–I is false but Statement–II is true

Options :
686340155921. 1
686340155922. 2
686340155923. 3
686340155924. 4

Question Number : 81 Question Id : 68634039478 Question Type : MCQ Option Shuffling : No 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 : जीन के मध्य में जो उत्परिवर्तन समापन कूट उत्पन्न करता है, उसे फ्रेम शिफ्ट उत्परिवर्तन कहते हैं।
कथन II : फ्रेमशिफ्ट उत्परिवर्तन, बिन्दुउत्परिवर्तन भी हो सकता है।
उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तरका चयन कीजिए:

1. कथन I और II दोनों सत्य है

2. कथन I और II दोनों असत्य है

3. कथन I सत्य है, लेकिन कथन II असत्य है

4. कथन I असत्य है, लेकिन कथन II सत्य है

Options :
686340155921. 1
686340155922. 2
686340155923. 3
686340155924. 4

Question Number : 82 Question Id : 68634039479 Question Type : MCQ Option Shuffling : No 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 : Weak interactions like hydrogen bonds and salt bridges stabilize protein folding.
Statement–II : Protein folding is assisted by chaperones.
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 :
686340155925. 1
686340155926. 2
686340155927. 3
686340155928. 4

Question Number : 82 Question Id : 68634039479 Question Type : MCQ Option Shuffling : No 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 : हाइड्रोजन बंध और लवण सेतु जोसी क्षीण परस्पर क्रियाएं प्रोटीन तहों को स्थिर करती है।
कथन II : संरक्षिकाएं (शेपरोन) प्रोटीन तहो में सहायता करती है।
उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तरका चयन कीजिए:

1. कथन I और II दोनों सत्य है

2. कथन I और II दोनों असत्य है

3. कथन I सत्य है, लेकिन कथन II असत्य है

4. कथन I असत्य है, लेकिन कथन II सत्य है

Options :
686340155925. 1
686340155926. 2
686340155927. 3
686340155928. 4

Question Number : 83 Question Id : 68634039480 Question Type : MCQ Option Shuffling : No 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 : Enzymes lower the activation energy of reactions.
Statement–II : The presence of an enzyme has no effect on Keq.
In the light of the above statements, choose the most appropriate answer from the options given below.

1. Both Statement–I and Statement–II are true

2. Both Statement–I and Statement–II are false

3. Statement–I is true but Statement–II is false

4. Statement–I is false but Statement–II is true

Options :
686340155929. 1
686340155930. 2
686340155931. 3
686340155932. 4

Question Number : 83 Question Id : 68634039480 Question Type : MCQ Option Shuffling : No 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 : एंजाइम , सक्रियन ऊर्जा में कमी लाते हैं।
कथन II : एंजाइम की उपस्थिति का Keq पर कोई प्रभाव नहीं होता।
उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तरका चयन कीजिए:

1. कथन I और II दोनों सत्य है

2. कथन I और II दोनों असत्य है

3. कथन I सत्य है, लेकिन कथन II असत्य है

4. कथन I असत्य है, लेकिन कथन II सत्य है

Options :
686340155929. 1
686340155930. 2
686340155931. 3
686340155932. 4

Question Number : 84 Question Id : 68634039481 Question Type : MCQ Option Shuffling : No 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 : 146 base pairs of DNA are wrapped around the histone octamer to form a nucleosome.
Statement–II : Nucleosomes play important role in gene expression.
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 :
686340155933. 1
686340155934. 2
686340155935. 3
686340155936. 4

Question Number : 84 Question Id : 68634039481 Question Type : MCQ Option Shuffling : No 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 न्यूक्लिओसोम बनाने में, DNA के 146 क्षार युग्म, हिस्टोन अष्टक के चारों ओर लिपटे होते हैं।
कथन II : न्यूक्लिओसोम जीन अभिव्यक्ति में महत्वपूर्ण भूमिका का निर्वाह करते हैं।
उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तरका चयन कीजिए:

1. कथन I और II दोनों सत्य है

2. कथन I और II दोनों असत्य है

3. कथन I सत्य है, लेकिन कथन II असत्य है

4. कथन I असत्य है, लेकिन कथन II सत्य है

Options :
686340155933. 1
686340155934. 2
686340155935. 3
686340155936. 4

Question Number : 85 Question Id : 68634039482 Question Type : MCQ Option Shuffling : No 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 : Ammonia is produced during catabolism of amino acids in muscle cells.
Statement–II : In muscle cells, ammonia is converted to urea and then excreted through kidney.
In the light of the above statements, choose the most appropriate answer from the options given below.

1. Both Statement–I and Statement–II are true

2. Both Statement–I and Statement–II are false

3. Statement–I is true but Statement–II is false

4. Statement–I is false but Statement–II is true

Options :
686340155937. 1
686340155938. 2
686340155939. 3
686340155940. 4

Question Number : 85 Question Id : 68634039482 Question Type : MCQ Option Shuffling : No 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 : पेशी कोशिकाओं में अमीनोअम्लों के अपचय के दौरान अमोनिया उत्पन्न होती है।
कथन II : पेशी कोशिकाओं में अमोनिया का यूरिया में परिवर्तन होता है और इसका गुर्दों (वृक्कों) द्वारा उत्सर्जन किया जाता है।
उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तरका चयन कीजिए:

1. कथन I और II दोनों सत्य है

2. कथन I और II दोनों असत्य है

3. कथन I सत्य है, लेकिन कथन II असत्य है

4. कथन I असत्य है, लेकिन कथन II सत्य है

Options :
686340155937. 1
686340155938. 2
686340155939. 3
686340155940. 4

Question Number : 86 Question Id : 68634039483 Question Type : MCQ Option Shuffling : No 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 : Cyanide results in cellular hypoxia.
Statement–II : The tight coupling of electron transport and phosphorylation is uncoupled by cyanide.
In the light of the above statements, choose the most appropriate answer from the options given below.

1. Both Statement–I and Statement–II are true

2. Both Statement–I and Statement–II are false

3. Statement–I is true but Statement–II is false

4. Statement–I is false but Statement–II is true

Options :
686340155941. 1
686340155942. 2
686340155943. 3
686340155944. 4

Question Number : 86 Question Id : 68634039483 Question Type : MCQ Option Shuffling : No 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 : सायनाइड के कारण कोशिकीय हाइपोक्सिया होता है।
कथन II : इलैक्ट्रान परिवहन और फॉस्फोराइलेशन के सुदृढ संयुग्मन को सायनाइड द्वारा असंयुग्मित किया जाता है।
उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तरका चयन कीजिए:

1. कथन I और II दोनों सत्य है

2. कथन I और II दोनों असत्य है

3. कथन I सत्य है, लेकिन कथन II असत्य है

4. कथन I असत्य है, लेकिन कथन II सत्य है

Options :
686340155941. 1
686340155942. 2
686340155943. 3
686340155944. 4

Question Number : 87 Question Id : 68634039484 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

What is true about steroid hormones?

A. Steroid hormones bind to specific receptors.
B. Steroid hormones bind to DNA to control gene expression.
C. Steroid hormones travel to distant tissues through blood.

Choose the correct answer from the options given below.

1. A and B only

2. B and C only

3. A only

4. A and C only

Options :

686340155945. 1
686340155946. 2
686340155947. 3
686340155948. 4

Question Number : 87 Question Id : 68634039484 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

स्टेरॉइड हार्मोन्स के बारे में क्या सत्य है?

A. स्टेरॉइड हार्मोन विशिष्ट ग्राहियों से आबन्ध बनाते हैं।
B. स्टेरॉइड हार्मोन, जीन अभिव्यक्ति को नियंत्रित करने के लिए DNA से आबन्ध बनाते हैं
C. स्टेरॉइड हार्मोन रक्त द्वारा दूरस्थ ऊतकों तक परिवहन करते हैं

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

1. केवल A और B

2. केवल B और C

3. केवल A

4. केवल A और C

Options :

686340155945. 1
686340155946. 2
686340155947. 3
686340155948. 4

Question Number : 88 Question Id : 68634039485 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Which of the following statements is true about histones?

A. Histones are rich in acidic amino acids.
B. Histones are rich in basic amino acids.
C. Histones are important for stabilizing single-stranded DNA.
D. Histones bind to DNA to form chromatin.

Choose the correct answer from the options given below.

1. B and D only

2. A and C only

3. B, C and D only

4. A and D only

Options :
686340155949. 1
686340155950. 2
686340155951. 3
686340155952. 4

Question Number : 88 Question Id : 68634039485 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

हिस्टोन के बारे में निम्नलिखित कथनों में से कौन-कौन सही हैं?

A. हिस्टोन अम्लीय अमीनो अम्लों से समृद्ध होते हैं।
B. हिस्टोन क्षारीय अमीनो अम्लों से समृद्ध होते हैं।
C. हिस्टोन एकल रज्जुक डीएनए के स्थिरीकरण के लिए महत्वपूर्ण होते हैं।
D. हिस्टोन डीएनए से आबंधन करके क्रोमेटिन बनाते हैं।

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

1. केवल B और D

2. केवल A और C

3. केवल B, C और D

4. केवल A और D

Options :
686340155949. 1
686340155950. 2
686340155951. 3
686340155952. 4

Question Number : 89 Question Id : 68634039486 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Resting membrane potential is conducted by

A. active transport
B. selective permeability of phospholipid bilayer
C. passive diffusion across lipid bilayer
D. differential distribution of ions across membrane

Choose the correct answer from the options given below.

1. A, B and D only

2. B, C and D only

3. A, B and C only

4. A, C and D only

Options :
686340155953. 1
686340155954. 2
686340155955. 3
686340155956. 4

Question Number : 89 Question Id : 68634039486 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

विरामकला विभव का संचरण होता है:

A. सक्रिय परिवहन
B. फॉस्फोलिपिड की द्वि सतह की चयनित पारगम्यता
C. लिपिड की द्विसतह से निष्क्रिय परासरण
D. झिल्ली के पार आयनों का असमान वितरण

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

1. केवल A, B और D

2. केवल B, C और D

3. केवल A, B और C

4. केवल A, C और D

Options :
686340155953. 1
686340155954. 2
686340155955. 3
686340155956. 4

Question Number : 90 Question Id : 68634039487 Question Type : MCQ Option Shuffling : No 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 proteins do not belong to the group of chromoproteins?

A. Fibroin
B. Haemoglobin
C. Keratin
D. Cytochromes
E. Flavoproteins

Choose the correct answer from the options given below:

1. B and D only

2. A and C only

3. A,B and E only

4. B, C and D only

Options :
686340155957. 1
686340155958. 2
686340155959. 3
686340155960. 4

Question Number : 90 Question Id : 68634039487 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

निम्न में से कौन सा प्रोटीन क्रोमोप्रोटीन्स के समूह में पाए जाते है:

A. फ़िब्रोइन
B. हिमोग्लोबिन
C. केराटिन
D. साईंटोक्रोम
E. फ्लावोप्रोटीन

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

1. केवल B और D

2. केवल A और C

3. केवल A, B और E

4. केवल B, C और D

Options :
686340155957. 1
686340155958. 2

686340155959. 3
686340155960. 4

Question Number : 91 Question Id : 68634039488 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

What information about protein can be derived most accurately from gene sequence?

A. Primary structure of protein
B. Function of protein
C. Secondary structure of protein
D. Three-dimensional structure of protein

Choose the correct answer from the options given below:

1. B only

2. A only

3. A and C only

4. B and D only

Options :
686340155961. 1
686340155962. 2
686340155963. 3
686340155964. 4

Question Number : 91 Question Id : 68634039488 Question Type : MCQ Option Shuffling : No 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 अनुक्रम से प्रोटीन के बारे में कौन (कौन) सी सूचना (एं) सर्वाधिक यथार्थता से निष्कर्षित की जा सकती हैं?

A. प्रोटीन की प्राथमिकता संचरना
B. प्रोटीन के कार्य
C. प्रोटीन की द्वितीयक संरचना
D. प्रोटीन की त्रिज्यायामी संरचना

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

1. केवल B

2. केवल A

3. केवल A और C

4. केवल B और D

Options :
686340155961. 1

686340155962. 2
686340155963. 3
686340155964. 4

Question Number : 92 Question Id : 68634039489 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Two proteins X (Mol wt. 20 kD, pI 6.3) and Y (Mol. wt. 90 kD, pI 6.4) can be separated by which of the following techniques?

A. Gel filtration
B. Ion-exchange chromatography
C. Isoelectric focussing
D. SDS-PAGE

Choose the correct answer from the options given below.

1. A and B only

2. A and D only

3. B and C only

4. B and D only

Options :
686340155965. 1
686340155966. 2
686340155967. 3
686340155968. 4

Question Number : 92 Question Id : 68634039489 Question Type : MCQ Option Shuffling : No 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 प्रोटीन, X (अणुभार 20 kD, pI 6.3) और Y (अणुभार 90 kD, pI 6.4), निम्नलिखित में किस तकनीक द्वारा अलग की जा सकती हैं?

A. जेल निस्यंदन
B. आयन विनिमय क्रोमेटोग्राफी
C. समवैद्युत (आइसो-इलैक्ट्रिक) फोकसिंग
D. SDS-PAGE

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

1. केवल A और B

2. केवल A और D

3. केवल B और C

4. केवल B और D

Options :
686340155965. 1
686340155966. 2
686340155967. 3
686340155968. 4

Question Number : 93 Question Id : 68634039490 Question Type : MCQ Option Shuffling : No 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 techniques can be used for analysis of gene expression?

A. Northern blotting
B. Southern blotting
C. Western blotting
D. qRTPCR
E. RNA sequence

Choose the correct answer from the options given below.

1. A, B and D only

2. A, C, D and E only

3. B, C, D and E only

4. A, B, D and E only

Options :
686340155969. 1
686340155970. 2
686340155971. 3
686340155972. 4

Question Number : 93 Question Id : 68634039490 Question Type : MCQ Option Shuffling : No 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 अभिव्यक्ति के विश्लेषण के लिए निम्नलिखित तकनीकों में से किस किस का उपयोग किया जा सकता है?

A. नार्दर्न ब्लॉटिंग
B. सदर्न ब्लॉटिंग
C. वेस्टर्न ब्लॉटिंग
D. qRTPCR
E. RNA अनुक्रम

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

1. केवल A, B और D

2. केवल A, C, D केवल E

3. केवल B, C, D केवल E

4. केवल A, B, D केवल E

Options :
686340155969. 1
686340155970. 2
686340155971. 3
686340155972. 4

Question Number : 94 Question Id : 68634039491 Question Type : MCQ Option Shuffling : No 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.	Vitamin A	I.	Rickets
B.	Vitamin K	II.	Excessive bleeding
C.	Vitamin C	III.	Night blindness
D.	Vitamin D	IV.	Scurvy

Choose the correct answer from the options given below:

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

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

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

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

Options :
686340155973. 1
686340155974. 2

686340155975. 3
686340155976. 4

Question Number : 94 Question Id : 68634039491 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	विटामिन A	I.	रिकेट्स
B.	विटामिन K	II.	अत्यधिक रक्तस्राव
C.	विटामिन C	III.	रतौंधी
D.	विटामिन D	IV.	स्कर्वी

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :
686340155973. 1
686340155974. 2
686340155975. 3
686340155976. 4

Question Number : 95 Question Id : 68634039492 Question Type : MCQ Option Shuffling : No 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.	Leucine	I.	Phosphorylated by kinase
B.	Serine	II.	Negatively charged R group
C.	Glutamate	III.	Non-polar, Aliphatic R group
D.	Tryptophan	IV.	Aromatic R group

Choose the correct answer from the options given below:

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

Options :

686340155977. 1
686340155978. 2
686340155979. 3
686340155980. 4

Question Number : 95 Question Id : 68634039492 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	ल्यूसीन	I.	काइनेज द्वारा फॉस्फोराइलेटिड
B.	सीरीन	II.	ऋणात्मक आवेश युक्त R समूह
C.	ग्लूटेमेट	III.	अध्रुवीय, एलिफेटिक R समूह
D.	ट्रिप्टोफेन	IV.	ऐरोमेटिक R समूह

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :
686340155977. 1
686340155978. 2
686340155979. 3
686340155980. 4

Question Number : 96 Question Id : 68634039493 Question Type : MCQ Option Shuffling : No 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.	VLDL	I.	Transport cholesterol from peripheral tissues to liver
B.	Chylomicrons	II.	Transport cholesterol from liver to other tissues
C.	HDL	III.	Movement of dietary triacylglycerol to various tissues
D.	LDL	IV.	Transport of endogenously synthesized triacylglycerols

Choose the correct answer from the options given below:

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

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

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

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

Options :

686340155981. 1

686340155982. 2

686340155983. 3

686340155984. 4

Question Number : 96 Question Id : 68634039493 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	VLDL	I.	परिधीय (सतही) ऊतकों से यकृत को कोलिस्ट्रोल का परिवहन
B.	काइलोमाइक्रोन्स	II.	कोलिस्ट्रोल का यकृत से दूसरे ऊतकों तक परिवहन
C.	HDL	III.	आहारीय ट्राई ग्लिसरोल का विभिन्न ऊतकों में गमन
D.	LDL	IV.	अंतर्जात संश्लेषित ट्राइग्लिसरोल्स का परिवहन

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

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

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

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

Options :

686340155981. 1

686340155982. 2

686340155983. 3

686340155984. 4

Question Number : 97 Question Id : 68634039494 Question Type : MCQ Option Shuffling : No 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.	DNA methylation	I.	Increase accessibility of DNA sequence
B.	Histone acetylation	II.	Gene silencing
C.	ATP-dependent chromatin remodelling	III.	Occurs on lysine residues of histones
D.	Nucleosome	IV.	Barrier for transcription

Choose the correct answer from the options given below:

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

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

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

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

Options :
686340155985. 1
686340155986. 2
686340155987. 3
686340155988. 4

Question Number : 97 Question Id : 68634039494 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	डीएनए मिथाइलेशन	I.	डीएनए अनुक्रम की अभिगम्यता में वृद्धि
B.	हिस्टोन एसिटाइलेशन	II.	जीन निष्क्रियता (साइलेंसिग)
C.	ATP निर्भर क्रोमेटिन की फिर से व्याख्या (रिमॉडलिंग)	III.	हिस्टोन में लाइसीन अवशेषों में होते है
D.	न्यूक्लिओसोम	IV.	अनुलेखन में अवरोधक

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

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

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

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

Options :

686340155985. 1
686340155986. 2
686340155987. 3
686340155988. 4

Question Number : 98 Question Id : 68634039495 Question Type : MCQ Option Shuffling : No 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.	DNA polymerase β	I.	Primase
B.	DNA polymerase δ	II.	DNA repair
C.	DNA polymerase α	III.	Mitochondrial DNA replication
D.	DNA polymerase γ	IV.	Leading and lagging strands of DNA

Choose the correct answer from the options given below:DNA polymerase □

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

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

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

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

Options :
686340155989. 1
686340155990. 2
686340155991. 3
686340155992. 4

Question Number : 98 Question Id : 68634039495 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	DNA पॉलीमरेज β	I.	प्राइमेज
B.	DNA पॉलीमरेज δ	II.	डीएनए मरम्मत
C.	DNA पॉलीमरेज α	III.	मॉइटोकॉन्ड्रियल डीएनए का प्रतिकृतियन
D.	DNA पॉलीमरेज γ	IV.	डी एन ए के अग्रणी और पश्चवर्तीरज्जुक

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

686340155989. 1
686340155990. 2
686340155991. 3
686340155992. 4

Question Number : 99 Question Id : 68634039496 Question Type : MCQ Option Shuffling : No 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.	Cyclin D/CDK4	I.	Triggers cell death
B.	Cyclin E/CDK2	II.	Transition from G2 to M
C.	Cyclin B/CDK1	III.	Initiation of DNA synthesis
D.	p53	IV.	G1 checkpoint

Choose the correct answer from the options given below:

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

Options :

686340155993. 1
686340155994. 2
686340155995. 3
686340155996. 4

Question Number : 99 Question Id : 68634039496 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	साइक्लिन D/CDK4	I.	कोशिका मृत्यु का प्रेरक (ट्रिगर)
B.	साइक्लिन E/CDK2	II.	G2 का M में संक्रमण (ट्रांजिशन)
C.	साइक्लिन B/CDK1	III.	डीएनए संश्लेषण का प्रारंभ
D.	p53	IV.	G1 चैक प्वाइंट

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

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

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

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

Options :
686340155993. 1
686340155994. 2
686340155995. 3
686340155996. 4

Question Number : 100 Question Id : 68634039497 Question Type : MCQ Option Shuffling : No 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.	Glycogen	I.	Cell wall of plants
B.	Starch	II.	Carbohydrate storage in animals
C.	Cellulose	III.	Carbohydrate storage in plants
D.	Chitin	IV.	Cell wall of fungi

Choose the correct answer from the options given below:

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

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

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

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

Options :
686340155997. 1
686340155998. 2
686340155999. 3

686340156000. 4

Question Number : 100 Question Id : 68634039497 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	ग्लाइकोजन	I.	पौधों की कोशिका भित्ती
B.	स्टार्च	II.	कार्बोहाइड्रेट भंडारण (जंतुओं में)
C.	सेलुलोज	III.	पादपों में कार्बोहाइड्रेट भंडारण
D.	काइटिन	IV.	कवक की कोशिका भित्ती

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

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

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

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

Options :
686340155997. 1
686340155998. 2
686340155999. 3
686340156000. 4