

National Testing Agency

Question Paper Name : Biochemistry Eng 15th June 2023 Shift 1
Subject Name : Biochemistry Eng
Creation Date : 2023-06-15 19:45:13
Duration : 120
Total Marks : 400
Display Marks: Yes

Biochemistry

Group Number : 1
Group Id : 686340197
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 : 686340393
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 : 686340653
Question Shuffling Allowed : No
Is Section Default? : null

Question Id : 68634019847 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

There was a high standard of learning for women also. In house, they might learn music and dancing. They had to undergo the Upanayana ceremony.

There were two types of educated women.

1. **Sadyodwahas** : They are people who pursued studies till their marriages.
2. **Brahmavadinis** : They are people who did not marry and pursued studies throughout their lives. Women used to learn vedas and vedangas. Their involvement was more in reciting hymns other ritualistic operations. Women sages were called Rishikas. The scholarly women could be named as Maitreyi and Gargi.

This phase marks another transition from the spirit of Brahmanas to the spirit of the Upanishads. While the Brahmanas are called Karma Kanda (Karma is another word for yajna) because of total known as Jnana kanda because here knowledge becomes primary. Since the shift involved total change in attitude, it needed a link. This phase is called Aranyaka because it became relevant when men retired to forests due to old age. Why should old people retire to forests? Surely, this is a provoking. If old people retired to forest, then it must be due to strong affinity to the place of origin, which prompted them to choose so.

Hence, proper study of philosophy begins only from the Upanishads. In this connection, one question remains to be answered. The Aranyakas constitute a phase in the life of an individual.

Subjects in Vedic Education :

It might take twelve years for a student to develop expertise in one Veda and thereafter, it would be twelve years, thirty six years and so on. A graduate was called Snataka and the graduation ceremony was called Samavartana.

Let's have a look at some other subjects.

1. Itihas- History
2. Anviksiki (logic)
3. Mimamsa (Interpretation)
4. Shilpashastra (architecture)
5. Arthashastra (polity)

Sub questions

Question Number : 1 Question Id : 68634019848 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Samavartana means :

1. Process of not marring and retiring to jungle
2. Ceremony associated with the snataka.
3. Perusing study till marring
4. Process where knowledge is primary

Options :

68634078401. 1
68634078402. 2
68634078403. 3
68634078404. 4

Question Number : 2 Question Id : 68634019849 Question Type : MCQ Option Shuffling : No 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 as/ are not the synonyms of affinity

- A. Harmony
- B. Rapport
- C. sympathy
- D. Aversion

- 1. B Only
- 2. B and D Only
- 3. C and D
- 4. D Only

Options :

68634078405. 1
68634078406. 2
68634078407. 3
68634078408. 4

Question Number : 3 Question Id : 68634019850 Question Type : MCQ Option Shuffling : No 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 number of months required to expertise in all vedas for a student is :

- 1. 576
- 2. 732
- 3. 144
- 4. 288

Options :

68634078409. 1
68634078410. 2
68634078411. 3
68634078412. 4

Question Number : 4 Question Id : 68634019851 Question Type : MCQ Option Shuffling : No 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 was not a part of Vedic education as per the list given?

1. Renunciation
2. Commerce and trade
3. Recreational archives
4. Yogasadhana

Options :

68634078413. 1
68634078414. 2
68634078415. 3
68634078416. 4

Question Number : 5 Question Id : 68634019852 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Arananyaka means :

1. Rishikas
2. Brahmanas
3. The phase Depicting transition from spirit of Brahmanas to the spirit of the Upanishads
4. An old man going to the forests

Options :

68634078417. 1
68634078418. 2
68634078419. 3
68634078420. 4

Question Id : 68634019847 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

There was a high standard of learning for women also. In house, they might learn music and dancing. They had to undergo the Upanayana ceremony.

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Hence, proper study of philosophy begins only from the Upanishads. In this connection, one question remains to be answered. The Aranyakas constitute a phase in the life of an individual.

Subjects in Vedic Education :

It might take twelve years for a student to develop expertise in one Veda and thereafter, it would be twelve years, thirty six years and so on. A graduate was called Snataka and the graduation ceremony was called Samavartana.

Let's have a look at some other subjects.

1. Itihas- History
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3. Mimamsa (Interpretation)
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5. Arthashastra (polity)

Sub questions

Question Number : 1 Question Id : 68634019848 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Samavartana means :

1. Process of not marring and retiring to jungle
2. Ceremony associated with the snataka.
3. Perusing study till marring
4. Process where knowledge is primary

Options :

68634078401. 1
68634078402. 2
68634078403. 3
68634078404. 4

Question Number : 2 Question Id : 68634019849 Question Type : MCQ Option Shuffling : No 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 as/ are not the synonyms of affinity

- A. Harmony
- B. Rapport
- C. sympathy
- D. Aversion

- 1. B Only
- 2. B and D Only
- 3. C and D
- 4. D Only

Options :

68634078405. 1
68634078406. 2
68634078407. 3
68634078408. 4

Question Number : 3 Question Id : 68634019850 Question Type : MCQ Option Shuffling : No 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 number of months required to expertise in all vedas for a student is :

- 1. 576
- 2. 732
- 3. 144
- 4. 288

Options :

68634078409. 1
68634078410. 2
68634078411. 3
68634078412. 4

Question Number : 4 Question Id : 68634019851 Question Type : MCQ Option Shuffling : No 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 was not a part of Vedic education as per the list given?

1. Renunciation
2. Commerce and trade
3. Recreational archives
4. Yogasadhana

Options :

68634078413. 1
68634078414. 2
68634078415. 3
68634078416. 4

Question Number : 5 Question Id : 68634019852 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Arananyaka means :

1. Rishikas
2. Brahmanas
3. The phase Depicting transition from spirit of Brahmanas to the spirit of the Upanishads
4. An old man going to the forests

Options :

68634078417. 1
68634078418. 2
68634078419. 3
68634078420. 4

Sub-Section Number : 2
Sub-Section Id : 686340654
Question Shuffling Allowed : Yes
Is Section Default? : null

Question Number : 6 Question Id : 68634019853 Question Type : MCQ Option Shuffling : No 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 given form the following options :

Lord Buddha realised the need educating devotees..... a massive scale. Budhhist education started 2,600 years ago. It was collective the sence that it was not based.....cast system

1. Of, on, from, with
2. with, on, in, of
3. of, on, in, on
4. of, in for, on

Options :

- 68634078421. 1
- 68634078422. 2
- 68634078423. 3
- 68634078424. 4

Question Number : 6 Question Id : 68634019853 Question Type : MCQ Option Shuffling : No 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 given form the following options :

Lord Buddha realised the need educating devotees..... a massive scale. Budhhist education started 2,600 years ago. It was collective the sence that it was not based.....cast system

1. Of, on, from, with
2. with, on, in, of
3. of, on, in, on
4. of, in for, on

Options :

- 68634078421. 1
- 68634078422. 2
- 68634078423. 3
- 68634078424. 4

Question Number : 7 Question Id : 68634019854 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Replace the underlined expression with an idiom.

My uncle is very short tempered. So Whenever he visits us all of us at home are being extra careful.

1. At sea
2. Dribs and drabs
3. Walking on egg shells
4. Walking the plan

Options :

- 68634078425. 1
- 68634078426. 2
- 68634078427. 3
- 68634078428. 4

Question Number : 7 Question Id : 68634019854 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Replace the underlined expression with an idiom.

My uncle is very short tempered. So Whenever he visits us all of us at home are being extra careful.

1. At sea
2. Dribs and drabs
3. Walking on egg shells
4. Walking the plan

Options :

- 68634078425. 1
- 68634078426. 2
- 68634078427. 3
- 68634078428. 4

Question Number : 8 Question Id : 68634019855 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Choose the sentence with the correct subject verb Agreement

1. Annotated Readings is necessary for on insight ful Understanding for the text and helps students better internalize the material.
2. Annotated Readings are necessary for an insightful understanding of the text and help students better internalize the material.
3. Annotated Readings are necessary for an insightful understanding of the text and helps students better internalize the material.
4. Annotated Readings in necessary for an insightful understanding of the text and help students better Internalize the material

Options :

- 68634078429. 1
- 68634078430. 2
- 68634078431. 3
- 68634078432. 4

Question Number : 8 Question Id : 68634019855 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Choose the sentence with the correct subject verb Agreement

1. Annotated Readings is necessary for on insight ful Understanding for the text and helps students better internalize the material.
2. Annotated Readings are necessary for an insightful understanding of the text and help students better internalize the material.
3. Annotated Readings are necessary for an insightful understanding of the text and helps students better internalize the material.
4. Annotated Readings in necessary for an insightful understanding of the text and help students better Internalize the material

Options :

- 68634078429. 1
- 68634078430. 2
- 68634078431. 3
- 68634078432. 4

Question Number : 9 Question Id : 68634019856 Question Type : MCQ Option Shuffling : No 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 prominently visible parts on the front size of an object as :

1. Starling
2. simplex
3. salience
4. Rosaline

Options :

- 68634078433. 1
- 68634078434. 2
- 68634078435. 3
- 68634078436. 4

Question Number : 9 Question Id : 68634019856 Question Type : MCQ Option Shuffling : No 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 prominently visible parts on the front size of an object as :

1. Starling
2. simplex
3. salience
4. Rosaline

Options :

- 68634078433. 1
- 68634078434. 2
- 68634078435. 3
- 68634078436. 4

Question Number : 10 Question Id : 68634019857 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Select the Coreect spelling of the word from the options given below:

1. Reverberation
2. Riverberation
3. Revirberation
4. Revarberation

Options :

- 68634078437. 1
- 68634078438. 2
- 68634078439. 3
- 68634078440. 4

Question Number : 10 Question Id : 68634019857 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Select the Coreect spelling of the word from the options given below:

1. Reverberation
2. Riverberation
3. Revirberation
4. Revarberation

Options :

- 68634078437. 1
- 68634078438. 2
- 68634078439. 3
- 68634078440. 4

Question Number : 11 Question Id : 68634019858 Question Type : MCQ Option Shuffling : No 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 next member of the given series is :

8, 18, 23, 50, 72,

1. 120
2. 90
3. 92
4. 98

Options :

- 68634078441. 1
- 68634078442. 2
- 68634078443. 3
- 68634078444. 4

Question Number : 11 Question Id : 68634019858 Question Type : MCQ Option Shuffling : No 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 next member of the given series is :

8, 18, 23, 50, 72,

1. 120
2. 90
3. 92
4. 98

Options :

- 68634078441. 1
- 68634078442. 2
- 68634078443. 3
- 68634078444. 4

Question Number : 12 Question Id : 68634019859 Question Type : MCQ Option Shuffling : No 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 faulty minute hand covers only 90% of the circle per hour. If it starts from eight in how many minutes it will reach the seven mark at the given speed :

1. 53
2. 58
3. 61
4. 64

Options :

- 68634078445. 1
- 68634078446. 2
- 68634078447. 3
- 68634078448. 4

Question Number : 12 Question Id : 68634019859 Question Type : MCQ Option Shuffling : No 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 faulty minute hand covers only 90% of the circle per hour. If it starts from eight in how many minutes it will reach the seven mark at the given speed :

1. 53
2. 58
3. 61
4. 64

Options :

68634078445. 1
68634078446. 2
68634078447. 3
68634078448. 4

Question Number : 13 Question Id : 68634019860 Question Type : MCQ Option Shuffling : No 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 age of father in 1980 was twice that of his son's present age. If the present age of son is X year and age of father is 79 years than value of X is :

1. 15 Year
2. 17 Year
3. 23 Year
4. 18 Year

Options :

68634078449. 1
68634078450. 2
68634078451. 3
68634078452. 4

Question Number : 13 Question Id : 68634019860 Question Type : MCQ Option Shuffling : No 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 age of father in 1980 was twice that of his son's present age. If the present age of son is X year and age of father is 79 years than value of X is :

1. 15 Year
2. 17 Year
3. 23 Year
4. 18 Year

Options :

68634078449. 1
68634078450. 2
68634078451. 3
68634078452. 4

Question Number : 14 Question Id : 68634019861 Question Type : MCQ Option Shuffling : No 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 product of 25% of x and 120% of $y = \dots\dots\dots$ % of (xy)

- 1. 30
- 2. 25
- 3. 24
- 4. 60

Options :

- 68634078453. 1
- 68634078454. 2
- 68634078455. 3
- 68634078456. 4

Question Number : 14 Question Id : 68634019861 Question Type : MCQ Option Shuffling : No 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 product of 25% of x and 120% of $y = \dots\dots\dots$ % of (xy)

- 1. 30
- 2. 25
- 3. 24
- 4. 60

Options :

- 68634078453. 1
- 68634078454. 2
- 68634078455. 3
- 68634078456. 4

Question Number : 15 Question Id : 68634019862 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The average speed of a train in four hours, running at 36 km/h in first hour, 72 km per hour in second hour and 108 km/h in the last two hours in (m/s) is :

- 1. 15
- 2. 45
- 3. 45/2
- 4. 30

Options :

- 68634078457. 1
- 68634078458. 2
- 68634078459. 3

68634078460. 4

Question Number : 15 Question Id : 68634019862 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The average speed of a train in four hours, running at 36 km/h in first hour, 72 km per hour in second hour and 108 km/h in the last two hours in (m/s) is :

1. 15
2. 45
3. $45/2$
4. 30

Options :

- 68634078457. 1
- 68634078458. 2
- 68634078459. 3
- 68634078460. 4

Question Number : 16 Question Id : 68634019863 Question Type : MCQ Option Shuffling : No 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 series : 85, 43, 44, 67.5, 137, 345 observe the series given and by establishing the same relation in 125, (A), (B), (C), (D), (E), Find what will come is place of (C) ?

1. 86
2. 107.5
3. 112.5
4. 97.5

Options :

- 68634078461. 1
- 68634078462. 2
- 68634078463. 3
- 68634078464. 4

Question Number : 16 Question Id : 68634019863 Question Type : MCQ Option Shuffling : No 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 series : 85, 43, 44, 67.5, 137, 345 observe the series given and by establishing the same relation in 125, (A), (B), (C), (D), (E), Find what will come is place of (C) ?

1. 86
2. 107.5
3. 112.5
4. 97.5

Options :

- 68634078461. 1
- 68634078462. 2
- 68634078463. 3
- 68634078464. 4

Question Number : 17 Question Id : 68634019864 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Vartika went 90 meters in the east before turning to her right. She went 20 meters before turring to her right again. She walked 30 metres further and then turring to north she walked 100 metres. How far is vartika from. Her starting point?

1. 80 metres
2. 100 metres
3. 140 metres
4. 260 metres

Options :

- 68634078465. 1
- 68634078466. 2
- 68634078467. 3
- 68634078468. 4

Question Number : 17 Question Id : 68634019864 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Vartika went 90 meters in the east before turning to her right. She went 20 meters before turring to her right again. She walked 30 metres further and then turring to north she walked 100 metres. How far is vartika from. Her starting point?

1. 80 metres
2. 100 metres
3. 140 metres
4. 260 metres

Options :

- 68634078465. 1
- 68634078466. 2
- 68634078467. 3
- 68634078468. 4

Question Number : 18 Question Id : 68634019865 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Identify the water-image of the word "bridge"

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

Options :

- 68634078469. 1
- 68634078470. 2
- 68634078471. 3
- 68634078472. 4

Question Number : 18 Question Id : 68634019865 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Identify the water-image of the word "bridge"

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

Options :

- 68634078469. 1
- 68634078470. 2
- 68634078471. 3
- 68634078472. 4

Question Number : 19 Question Id : 68634019866 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

There is a certain relation between two given words on one side of :: and one word is given on another side of :: while another word is to be found from the given alternatives. Choose the correct pair bear.

Roster : Duty :: Inventory : ?

1. Furnace
2. Export's
3. Goods
4. Produce

Options :

68634078473. 1

68634078474. 2

68634078475. 3

68634078476. 4

Question Number : 19 Question Id : 68634019866 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

There is a certain relation between two given words on one side of :: and one word is given on another side of :: while another word is to be found from the given alternatives. Choose the correct pair bear.

Roster : Duty :: Inventory : ?

1. Furnace
2. Export's
3. Goods
4. Produce

Options :

68634078473. 1

68634078474. 2

68634078475. 3

68634078476. 4

Question Number : 20 Question Id : 68634019867 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Introducing a boy, a girl said, " He is the son of the daughter of the father of my uncle". How is the boy related to the girl?

1. Cousin
2. Nephew
3. Uncle
4. Son-in-law

Options :

- 68634078477. 1
- 68634078478. 2
- 68634078479. 3
- 68634078480. 4

Question Number : 20 Question Id : 68634019867 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Introducing a boy, a girl said, " He is the son of the daughter of the father of my uncle". How is the boy related to the girl?

1. Cousin
2. Nephew
3. Uncle
4. Son-in-law

Options :

- 68634078477. 1
- 68634078478. 2
- 68634078479. 3
- 68634078480. 4

Question Number : 21 Question Id : 68634019868 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Who is world's first female amputee is climb Mount Everest?

1. Junko Tabei
2. Arunima Sinha
3. Malavati Puna
4. Erika Weihehmayes

Options :

- 68634078481. 1
- 68634078482. 2

68634078483. 3

68634078484. 4

Question Number : 21 Question Id : 68634019868 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Who is world's first female amputee is climb Mount Everest?

1. Junko Tabei
2. Arunima Sinha
3. Malavati Puna
4. Erika Weihehmayes

Options :

68634078481. 1

68634078482. 2

68634078483. 3

68634078484. 4

Question Number : 22 Question Id : 68634019869 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Statement I: Sahitya Academi Award is the second highest Indian Litrary Award. It is given in 22 languages.

Statement II: R.K. Narayan wat the first recipient of Sahitya Academi Award. He got it for his book Malgudi Days.

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

1. Both statement I and Statement II are true
2. Bothe 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 :

68634078485. 1

68634078486. 2

68634078487. 3

68634078488. 4

Question Number : 22 Question Id : 68634019869 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Statement I: Sahitya Academi Award is the second highest Indian Litrary Award. It is given in 22 languages.

Statement II: R.K. Narayan was the first recipient of Sahitya Academi Award. He got it for his book Malgudi Days.

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

1. Both statement I and Statement II are true
2. Bothe 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 :

68634078485. 1
68634078486. 2
68634078487. 3
68634078488. 4

Question Number : 23 Question Id : 68634019870 Question Type : MCQ Option Shuffling : No 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 (Books) | | LIST II (Writers) | |
|----------------|----------------------|-------------------|---------------|
| A. | Mudrarakshasa | I. | Panini |
| B. | Abhigyan Shakuntalam | II. | Visakadatta |
| C. | Pancha Tantra | III. | Kalidasa |
| D. | Ashtadhyayi | IV. | Vishnu Sharma |

Choose the correct answer from the options given below:

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

Options :

68634078489. 1
68634078490. 2
68634078491. 3
68634078492. 4

Question Number : 23 Question Id : 68634019870 Question Type : MCQ Option Shuffling : No 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 (Books) | | LIST II (Writers) | |
|----------------|----------------------|-------------------|---------------|
| A. | Mudrarakshasa | I. | Panini |
| B. | Abhigyan Shakuntalam | II. | Visakadatta |
| C. | Pancha Tantra | III. | Kalidasa |
| D. | Ashtadhyayi | IV. | Vishnu Sharma |

Choose the correct answer from the options given below:

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

Options :

68634078489. 1
68634078490. 2
68634078491. 3
68634078492. 4

Question Number : 24 Question Id : 68634019871 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements :

Statement I : A black hole is remnant of a massive star which has collapsed. It is a Volume of space where gravity is so strong that nothing not even light can escape from it.

Statement II : Its presence was first announced by Galileo Galilei in 1783

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

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

Options :

68634078493. 1
68634078494. 2
68634078495. 3
68634078496. 4

Question Number : 24 Question Id : 68634019871 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements :

Statement I : A black hole is remnant of a massive star which has collapsed. It is a Volume of space where gravity is so strong that nothing not even light can escape from it.

Statement II : Its presence was first announced by Galileo Galilei in 1783

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

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

Options :

- 68634078493. 1
- 68634078494. 2
- 68634078495. 3
- 68634078496. 4

Question Number : 25 Question Id : 68634019872 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Rowlatt Act (1919) was passed through the Imperial Legislative Council to :

1. Increase taxes and custom duties on civilians
2. Force villages to supply soldiers and there was forced recruitment of common people
3. Gave Government enormous power to repress political activists and allowed detention of anybody suspected
4. Arrest workers who joined hands against racism

Options :

- 68634078497. 1
- 68634078498. 2
- 68634078499. 3
- 68634078500. 4

Question Number : 25 Question Id : 68634019872 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Rowlatt Act (1919) was passed through the Imperial Legislative Council to :

1. Increase taxes and custom duties on civilians
2. Force villages to supply soldiers and there was forced recruitment of common people
3. Gave Government enormous power is to repress political activists and allowed detention of anybody suspected
4. Arrest workers who joined hands against racism

Options :

- 68634078497. 1
- 68634078498. 2
- 68634078499. 3
- 68634078500. 4

Part B: Biochemistry

| | |
|--|-----------|
| Section Id : | 686340394 |
| 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 : | 686340655 |
| Question Shuffling Allowed : | Yes |
| Is Section Default? : | null |

Question Number : 26 Question Id : 68634019873 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Identify the correct statement about Homotropic.

1. For regulatory enzymes substrate and modulator are identical
2. Modulator is a molecule other than substrate
3. Less- active enzyme
4. Active enzyme substrate complex

Options :

- 68634078501. 1
- 68634078502. 2
- 68634078503. 3
- 68634078504. 4

Question Number : 26 Question Id : 68634019873 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

होमोट्रोपिक के संदर्भ में सही कथन का चयन करें

1. नियंत्रक एन्जाइम के लिए सबस्ट्रेट तथा मॉड्यूलेटर एक समान है
2. मॉड्यूलेटर अणु, सबस्ट्रेट से भिन्न है।
3. कम सक्रिय एन्जाइम
4. सक्रिय एन्जाइम-सबस्ट्रेट कॉम्प्लेक्स

Options :

- 68634078501. 1
- 68634078502. 2
- 68634078503. 3
- 68634078504. 4

Question Number : 27 Question Id : 68634019874 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Diisopropyl phosphofluoridate (DIPF) act as:

1. Inhibitor of enzymes with serine at active site
2. A type of irreversible inhibitor
3. Reduces the synthesis of prostaglandin
4. Mechanism based inhibitor

Options :

- 68634078505. 1
- 68634078506. 2
- 68634078507. 3
- 68634078508. 4

Question Number : 27 Question Id : 68634019874 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

डाइआइसोप्रोपाइल फॉस्फोफ्लोरीडेट (DIPF) निम्न प्रकार से कार्य करता है-

1. सक्रिय स्थल पर सेरीन की उपस्थिति वाले एन्जाइम को संदमन करता है
2. यह एक अव्युत्क्रमीय संदमक का प्रकार है
3. प्रोस्टाग्लेन्डिन संश्लेषण को कम करता है
4. क्रिया आधारित संदमक

Options :

68634078505. 1
68634078506. 2
68634078507. 3
68634078508. 4

Question Number : 28 Question Id : 68634019875 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Type IV- delayed hypersensitivity is not caused by

1. Macrophage
2. Lymphokines
3. Circulating antibodies
4. T- cells

Options :

68634078509. 1
68634078510. 2
68634078511. 3
68634078512. 4

Question Number : 28 Question Id : 68634019875 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

टाईप - IV डिलेड हाइपर्सेंसिटिविटी निम्न द्वारा नहीं होती है -

1. मैक्रोफाज
2. लिम्फोकाइन्स
3. भ्रमणीय प्रतिरक्षी
4. T- कोशिका

Options :

68634078509. 1

68634078510. 2
68634078511. 3
68634078512. 4

Question Number : 29 Question Id : 68634019876 Question Type : MCQ Option Shuffling : No 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 correct about enzyme ?

1. A bio catalyst that increases the rate of chemical reaction
2. A biocatalyst that inhibit the rate of chemical reaction
3. Non specific in nature
4. All enzymes are proteinacious in nature

Options :

68634078513. 1
68634078514. 2
68634078515. 3
68634078516. 4

Question Number : 29 Question Id : 68634019876 Question Type : MCQ Option Shuffling : No 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 कोण सा कथन एन्जाइम के लिए सही है।

1. एक जैव उत्प्रेरक, जो रसायनिकी क्रिया की दर बढ़ा देता है
2. एक जैव उत्प्रेरक, जो रसायनिकी क्रिया की दर को सदमंत करता है
3. स्वाभाव में नानस्पेसिफिक होता है
4. सभी-एन्जाइम प्रोटीन प्रवृत्ति के होते हैं

Options :

68634078513. 1
68634078514. 2
68634078515. 3
68634078516. 4

Question Number : 30 Question Id : 68634019877 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Oxidases act as

1. Use oxygen as an electron acceptor but donot incorporate it into the substrate.
2. Directly incorporate oxygen into the substrate
3. Use H_2O_2 as an electron acceptor
4. Use molecules other than oxygen (eg : NAD^+) as an electron acceptor

Options :

- 68634078517. 1
- 68634078518. 2
- 68634078519. 3
- 68634078520. 4

Question Number : 30 Question Id : 68634019877 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

ऑक्सीडेज निम्न कार्य करता है।

1. ऑक्सीजन का प्रयोग एक इलेक्ट्रान ग्राही के रूप में करता है परन्तु इसे क्रियाधार में आमेलित नहीं करता है।
2. ऑक्सीजन को सीधे क्रियाधार में आमेलित करता है।
3. H_2O_2 को इलेक्ट्रान ग्राही के रूप में प्रयोग करता है।
4. ऑक्सीजन के अन्यथा अणुओं (उदा. NAD^+) का प्रयोग इलेक्ट्रान ग्राही के रूप में

Options :

- 68634078517. 1
- 68634078518. 2
- 68634078519. 3
- 68634078520. 4

Question Number : 31 Question Id : 68634019878 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Enantiomers are special type of stereoisomers that are:

1. isobars of each other
2. isotopes of each other
3. Not the mirror image of each other
4. Mirror image of each other

Options :

68634078521. 1
68634078522. 2
68634078523. 3
68634078524. 4

Question Number : 31 Question Id : 68634019878 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

प्रतिबिंबरूपी, स्टीरियोबिंबरूपीयों का विशेष प्रकार हैं, जो:

1. एक दूसरे के आइसोबार हैं।
2. एक दूसरे के आइसोटोप हैं।
3. एक दूसरे के छायाकृति नहीं हैं।
4. एक दूसरे की छायाकृति हैं।

Options :

68634078521. 1
68634078522. 2
68634078523. 3
68634078524. 4

Question Number : 32 Question Id : 68634019879 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following is the biologically active form of vitamin-D that regulates calcium levels in the kidney and bones?

1. 7-dehydrocholesterol
2. 24, 25-dihydroxycholecalciferol
3. 1- α -25- dihydroxycholecalciferol
4. Cholecalciferol

Options :

68634078525. 1
68634078526. 2
68634078527. 3
68634078528. 4

Question Number : 32 Question Id : 68634019879 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

विटामिन - D की जैवीय सक्रीय अवस्था जो वृक्क तथा अस्थियों में कैल्शियम स्तर का नियंत्रण करता है।

1. 7-डिहायड्रोकोलेस्ट्रॉल
2. 24, 25-डाइहाइड्रोक्सीकोलेकैल्सिफेरॉल
3. 1- α -25- डाइहाइड्रोक्सीकोलेकैल्सीफेरॉल
4. कोलेकैल्सीफेरॉल

Options :

68634078525. 1
68634078526. 2
68634078527. 3
68634078528. 4

Question Number : 33 Question Id : 68634019880 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Biological value of proteins can be defined as -

1. $BV = \frac{\text{Nitrogen retained}}{\text{Nitrogen absorbed}} \times 100$
2. $BV = \frac{\text{Nitrogen retained}}{\text{Nitrogen ingested}} \times 100$
3. $BV = \frac{\text{Nitrogen retained}}{\text{Nitrogen absorbed} - \text{Nitrogen retained}} \times 100$
4. $BV = \frac{\text{Nitrogen absorbed}}{\text{Nitrogen ingested}} \times 100$

Options :

68634078529. 1
68634078530. 2
68634078531. 3
68634078532. 4

Question Number : 33 Question Id : 68634019880 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

प्रोटीन की जैविक मात्रा निम्न प्रकार प्रदर्शित होती है:

$$1. BV = \frac{\text{Nitrogen retained}}{\text{Nitrogen absorbed}} \times 100$$

$$2. BV = \frac{\text{Nitrogen retained}}{\text{Nitrogen ingested}} \times 100$$

$$3. BV = \frac{\text{Nitrogen retained}}{\text{Nitrogen absorbed} - \text{Nitrogen retained}} \times 100$$

$$4. BV = \frac{\text{Nitrogen absorbed}}{\text{Nitrogen ingested}} \times 100$$

Options :

68634078529. 1

68634078530. 2

68634078531. 3

68634078532. 4

Question Number : 34 Question Id : 68634019881 Question Type : MCQ Option Shuffling : No 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 parameter is used to assess the rise in insulin following consumption of any food

1. PDCAAS

2. Nitrogen balance

3. Glycemic Index

4. Glycogen Index

Options :

68634078533. 1

68634078534. 2

68634078535. 3

68634078536. 4

Question Number : 34 Question Id : 68634019881 Question Type : MCQ Option Shuffling : No 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 किसी भोजन के ग्रहण के उपरांत इंसुलिन बढ़ने का मापदंड होता है।

1. PDCAAS
2. नाइट्रोजन अवशेष
3. ग्लायसेमिक इंडेक्स
4. ग्लाइकोजिन इंडेक्स

Options :

68634078533. 1
68634078534. 2
68634078535. 3
68634078536. 4

Question Number : 35 Question Id : 68634019882 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Water can dissolve many organic molecules due to

1. Dipolar character and ability to form hydrogen bond
2. Hydrophilic character and high conductance
3. Amphiphilic character and high insulation capacity
4. Hydrophobic character and ability to form disulfide bond

Options :

68634078537. 1
68634078538. 2
68634078539. 3
68634078540. 4

Question Number : 35 Question Id : 68634019882 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

जल विभिन्न कार्बनिक अणुओं को निम्न गुण के कारण घोल सकता है।

1. द्विध्रुवीय गुण तथा हायड्रोजन बंध बनाने की क्षमता
2. हाइड्रोफिलिक गुण तथा उच्च कंडक्टेंस
3. एंफीफिलिक गुण तथा उच्च इन्सुलेशन क्षमता
4. जलरोधी गुण तथा डाइसल्फाइड बंध बनाने की क्षमता

Options :

68634078537. 1
68634078538. 2
68634078539. 3
68634078540. 4

**Question Number : 36 Question Id : 68634019883 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1**

Cellulose is an unbranched polymer of glucose residues joined by

1. α -1, 4 linkage
2. α -1, 6 linkage
3. β -1, 4 linkage
4. β -1, 6 linkage

Options :

68634078541. 1
68634078542. 2
68634078543. 3
68634078544. 4

**Question Number : 36 Question Id : 68634019883 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1**

सेल्यूलोस, ग्लूकोस रेसीड्यू का निम्न बंध के आधार पर बना अशाखीय बहुलक है

1. α -1,4 बंध
2. α -1, 6 बंध
3. β -1,4 बंध
4. β -1,6 बंध

Options :

68634078541. 1
68634078542. 2
68634078543. 3
68634078544. 4

**Question Number : 37 Question Id : 68634019884 Question Type : MCQ Option Shuffling : No 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 person having a BMI of 35 will be categorized as

1. Healthy
2. Grade I obesity/ overweight
3. Grade II/ Clinical obesity
4. Grade III/Morbid Obesity

Options :

- 68634078545. 1
- 68634078546. 2
- 68634078547. 3
- 68634078548. 4

Question Number : 37 Question Id : 68634019884 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

35 BMI वाला व्यक्ति निम्न श्रेणी में रखा जाएगा

1. स्वस्थ
2. श्रेणी I मोटापा / अतिरिक्त भार
3. श्रेणी II/ क्लीनिकल मोटापा
4. श्रेणी III / रोगीय मोटापा

Options :

- 68634078545. 1
- 68634078546. 2
- 68634078547. 3
- 68634078548. 4

Question Number : 38 Question Id : 68634019885 Question Type : MCQ Option Shuffling : No 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 additives need to be added to the blood sample to prepare serum for any clinical analysis?

1. Citrate
2. Oxalate
3. EDTA
4. No additives are required

Options :

68634078549. 1
68634078550. 2
68634078551. 3
68634078552. 4

**Question Number : 38 Question Id : 68634019885 Question Type : MCQ Option Shuffling : No 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 प्रयुक्त किये जाने वाले एडीटिव का चयन करें जिनका प्रयोग रक्त के नमूने में क्लिनिकल जाँच के लिए सिरम बनाने में किया जाता है।

1. साइट्रेट
2. ऑक्सलेट
3. EDTA
4. कोई एडीटिव नहीं आवश्यक

Options :

68634078549. 1
68634078550. 2
68634078551. 3
68634078552. 4

**Question Number : 39 Question Id : 68634019886 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1**

Prostaglandins are synthesized *in vivo* from the 20-carbon polyunsaturated fatty acid

1. Oleic acid
2. Arachidonic acid
3. Cervonic acid
4. Linoleic acid

Options :

68634078553. 1
68634078554. 2
68634078555. 3
68634078556. 4

**Question Number : 39 Question Id : 68634019886 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1**

प्रोस्टागलेन्डिन का संश्लेषण जीवों में 20-कार्बन वाले निम्न पॉलिअसेच्यूरैटिड वसीय अम्ल से किया जाता है।

1. ओलिक अम्ल
2. अरेकिडोनीक अम्ल
3. सरवोनिक अम्ल
4. लिनोलिक अम्ल

Options :

- 68634078553. 1
- 68634078554. 2
- 68634078555. 3
- 68634078556. 4

Question Number : 40 Question Id : 68634019887 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Creatinine is used to assess the renal glomerular functions because

1. Creatinine is easy to estimate
2. The value of creatinine clearance is close to GFR
3. The excretion of creatinine is not constant
4. All of the above

Options :

- 68634078557. 1
- 68634078558. 2
- 68634078559. 3
- 68634078560. 4

Question Number : 40 Question Id : 68634019887 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

क्रिएटिनिन का प्रयोग रीनल ग्लोमेरूलर कार्यशीलता मापने में निम्न कारण से किया जाता है

1. क्रिएटिन का मापन आसान होता है
2. क्रिएटिन निष्कासन दर GFR के पास होती है
3. क्रिएटिन का एक्सक्रिशन एक समान नहीं होता है
4. उपरोक्त सभी

Options :

- 68634078557. 1

68634078558. 2
68634078559. 3
68634078560. 4

Question Number : 41 Question Id : 68634019888 Question Type : MCQ Option Shuffling : No 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 20 year old boy was advised a liver function test by the doctor upon complaining of pain in the abdominal region and yellowing of nails. Subsequently he was diagnosed of hepatic jaundice. Which of the following would you expect in his test report ?

1. Increased activity of ALT and AST
2. Only increased activity of ALP
3. Only increased activity of AST
4. Only increased activity of ALT

Options :

68634078561. 1
68634078562. 2
68634078563. 3
68634078564. 4

Question Number : 41 Question Id : 68634019888 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

नाखुन के पीलापन तथा उदर में दर्द के चलते एक 20 वर्षीय युवक को डॉक्टर द्वारा लीवर कार्यशीलता जांच का परामर्श दिया जाता है। तत्पश्चात उसे हिपेटिक जांडिस का रोगी पाया गया। निम्न में से उसकी जाँच रिपोर्ट में क्या अपेक्षित है।

1. ALT तथा AST की बढ़ी गतिविधि
2. मात्रा ALP की बढ़ी गतिविधि
3. मात्रा AST की बढ़ी गतिविधि
4. मात्रा ALT की बढ़ी गतिविधि

Options :

68634078561. 1
68634078562. 2
68634078563. 3
68634078564. 4

Question Number : 42 Question Id : 68634019889 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Niemann- Pick disease is caused due to a genetic deficiency of

1. β - Galactosidase
2. Ceramidase
3. Sphingomyelinase
4. α - Galactosidase

Options :

- 68634078565. 1
- 68634078566. 2
- 68634078567. 3
- 68634078568. 4

Question Number : 42 Question Id : 68634019889 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निमैन-पिक नामक रोग निम्न आनुवांशिक कमी के कारण होता है।

1. β -गैलेक्टोसाइडेस
2. सिरेमाइडेस
3. स्फिंगोमाइलिनेस
4. α -गैलेक्टोसाइडेस

Options :

- 68634078565. 1
- 68634078566. 2
- 68634078567. 3
- 68634078568. 4

Question Number : 43 Question Id : 68634019890 Question Type : MCQ Option Shuffling : No 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 condition fatal infantile mitochondrial myopathy and renal dysfunction involves

1. Presence of fumarate
2. Absence of most oxidoreductases of respiratory chain
3. Presence of most oxidoreductases of respiratory chain
4. Absence of succinate

Options :

- 68634078569. 1

68634078570. 2
68634078571. 3
68634078572. 4

Question Number : 43 Question Id : 68634019890 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

वृक्कीय कार्यशीलता में गड़बड़ी की अवस्था तथा जानलेवा इनफेनटाइल माइटोकांड्रियल मायोपेथी में निम्न अपेक्षित है

1. फ्यूमरेट की उपस्थिति
2. श्वसनीय शृंखला के बहुधा ऑक्सीडोरिडक्टेस की अनुपस्थिति
3. श्वसनीय शृंखला के बहुधा ऑक्सीडोरिडक्टेस की उपस्थिति
4. सक्कसिनेट की अनुपस्थिति

Options :

68634078569. 1
68634078570. 2
68634078571. 3
68634078572. 4

Question Number : 44 Question Id : 68634019891 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which is not a part of the cytoskeleton?

1. Serpin
2. Tubulin
3. Actin
4. Kelatin

Options :

68634078573. 1
68634078574. 2
68634078575. 3
68634078576. 4

Question Number : 44 Question Id : 68634019891 Question Type : MCQ Option Shuffling : No 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 कोशिका पंजर का भाग नहीं है ?

1. सरपिन
2. ट्यूबुलिन
3. एक्टिन
4. किलेटिन

Options :

68634078573. 1
68634078574. 2
68634078575. 3
68634078576. 4

Question Number : 45 Question Id : 68634019892 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Cyanide is probably the most potent inhibitor of electron transport chain. It binds to:

1. NADH dehydrogenase
2. ATP synthase
3. Succinate dehydrogenase
4. Fe^{3+} of cytochrome oxidase

Options :

68634078577. 1
68634078578. 2
68634078579. 3
68634078580. 4

Question Number : 45 Question Id : 68634019892 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सम्भवतः सायनाइड इलेक्ट्रान ट्रांसपोर्ट शृंखला का सबसे सटीक सदंमक है। वह निम्न से बंध बनता है।

1. NADA डिहायड्रोजीनेस
2. ATP सिंथेस
3. सक्सीनेट डिहायड्रोजीनेस
4. सायटोक्रोम ऑस्कीडेस के Fe^{3+} से

Options :

68634078577. 1
68634078578. 2
68634078579. 3
68634078580. 4

**Question Number : 46 Question Id : 68634019893 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1**

Mass-to-Charge or m/z ratio can be measured through

1. Gas chromatography
2. UV-vis spectrophotometer
3. Fluorescence spectrophotometer
4. Mass spectrophotometer

Options :

68634078581. 1
68634078582. 2
68634078583. 3
68634078584. 4

**Question Number : 46 Question Id : 68634019893 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1**

भार से आवेश अथवा m/z अनुपात मापन निम्न द्वारा किया जाता है।

1. गैस क्रोमेटोग्राफी
2. UV - VIS स्पेक्ट्रोफोटोमीटर
3. प्रतिदीप्ति स्पेक्ट्रोफोटोमीटर
4. मास स्पेक्ट्रोफोटोमीटर

Options :

68634078581. 1
68634078582. 2
68634078583. 3
68634078584. 4

**Question Number : 47 Question Id : 68634019894 Question Type : MCQ Option Shuffling : No 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 organelle is pelleted first during sub-cellular fractionation by differential centrifugation at 1000 g for 10 minutes

1. Nuclei
2. Mitochondria
3. Lysosome
4. Endoplasmic reticulum

Options :

- 68634078585. 1
- 68634078586. 2
- 68634078587. 3
- 68634078588. 4

Question Number : 47 Question Id : 68634019894 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

डिस्फेरियल सेन्ट्रीफ्युगेशन द्वारा 1000g पर 10 मिनट तक चलने पर सबसे पहले कौन सा कोशिकीय घटक सर्व प्रथम अलग होगा :

1. केंद्रिका
2. मायटोकॉन्ड्रिया
3. लायसोसोम
4. एन्डोप्लास्मिक रेटिक्युलम

Options :

- 68634078585. 1
- 68634078586. 2
- 68634078587. 3
- 68634078588. 4

Question Number : 48 Question Id : 68634019895 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Another name for cardio lipin is

1. Phosphatidyl choline
2. Phosphatidyl serine
3. Phosphatidyl inositol
4. Diphosphatidyl glycerol

Options :

- 68634078589. 1
- 68634078590. 2
- 68634078591. 3
- 68634078592. 4

Question Number : 48 Question Id : 68634019895 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

कार्डियोलिपिन के लिये अन्य नाम है -

1. फास्फेटिडिल कोलिन
2. फास्फेटिडिल सेरीन
3. फास्फेटिडिल इनोसिटोल
4. डाईफास्फेटिडिल ग्लिसरॉल

Options :

- 68634078589. 1
- 68634078590. 2
- 68634078591. 3
- 68634078592. 4

Question Number : 49 Question Id : 68634019896 Question Type : MCQ Option Shuffling : No 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 compound in red cells is crucial in determining the oxygen affinity of haemoglobin ?

1. Inositol triphosphate
2. Glyceraldehyde-3-phosphate
3. 2, 3- Bisphosphoglycerate
4. Phosphatidyl inositol

Options :

- 68634078593. 1
- 68634078594. 2
- 68634078595. 3
- 68634078596. 4

Question Number : 49 Question Id : 68634019896 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

लाल रक्त कोशिका में हिमोग्लोविन की ऑक्सीजन बंधन झुकाव निम्न पदार्थ द्वारा निर्धारित होता है :

1. इनोसिटॉल ट्राइफास्फेट
2. ग्लिस्रेलडिहायड -3- फास्फेट
3. 2,3- बिसफास्फोग्लीसरेट
4. फास्फेटाइडिल इनोसिटॉल

Options :

- 68634078593. 1
- 68634078594. 2
- 68634078595. 3
- 68634078596. 4

Question Number : 50 Question Id : 68634019897 Question Type : MCQ Option Shuffling : No 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 can be separated electrophoretically on the basis of net acidic and basic charge through

1. Isoelectric focusing
2. Differential centrifugation
3. Countercurrent immunoelectrophoresis
4. Pulse field gel electrophoresis

Options :

- 68634078597. 1
- 68634078598. 2
- 68634078599. 3
- 68634078600. 4

Question Number : 50 Question Id : 68634019897 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

प्रोटीन को इलेक्ट्रोफोरेटिकल अम्लीय अथवा क्षारीय आवेशके आधार पर निम्न द्वारा पृथक किया जाता सकता है।

1. समबिभव फोकसन
2. विभेदिय सेन्ट्रीफ्युगेशन
3. विपरीत प्रवाह इम्यूनोइलेक्ट्रोफोरेसिस
4. पल्स फील्ड जेल इलेक्ट्रोफोरेसिस

Options :

68634078597. 1
68634078598. 2
68634078599. 3
68634078600. 4

**Question Number : 51 Question Id : 68634019898 Question Type : MCQ Option Shuffling : No 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 defined as

1. No. of moles of solute in 1 liter of solution
2. No. of moles of solute in 1 kg of solvent
3. No. of moles of solvent in 1 kg of solute
4. No. of moles of salt in 1 liter of solvent

Options :

68634078601. 1
68634078602. 2
68634078603. 3
68634078604. 4

**Question Number : 51 Question Id : 68634019898 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1**

मोलरिटी को निम्न रूप में परिभाषित किया जाता है -

1. 1 लीटर घोल में विलेय के मोलों की संख्या
2. 1 किलो विलायक में विलेय के मोलों की संख्या
3. 1 किलो विलेय में विलायक के मोलों की संख्या
4. 1 लीटर विलायक में लवण की मोल संख्या

Options :

68634078601. 1
68634078602. 2
68634078603. 3
68634078604. 4

**Question Number : 52 Question Id : 68634019899 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1**

Synthesis of 2,3-bisphosphoglycerate increases in high altitude because:

1. 2,3-bisphosphoglycerate favours the relaxed state of haemoglobin
2. 2,3-bisphosphoglycerate serves as an energy source at high altitudes
3. 2,3-bisphosphoglycerate stabilizes the T-conformation of haemoglobin, thereby decreasing the oxygen affinity of haemoglobin, making it more available to the peripheral tissues.
4. 2,3-bisphosphoglycerate regulates body temperature

Options :

- 68634078605. 1
- 68634078606. 2
- 68634078607. 3
- 68634078608. 4

Question Number : 52 Question Id : 68634019899 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

उच्च क्षेत्रों में 2, 3 - बिसफोस्फोगलाइसरेट का संश्लेषण निम्न कारण से बढ़ जाता है -

1. 2,3-बिसफोस्फोगलाइसरेट हिमोग्लोबीन की आराम अवस्था का सहायक है
2. 2,3-बिसफोस्फोगलाइसरेट उच्च क्षेत्रों में ऊर्जा स्रोत का काम करता है
3. 2,3 बिसफोसफोगलाइसरेट हिमोग्लोबीन के T-रूप का स्थायी करता जिससे हिमोग्लोबीन की ऑक्सीजन एफ़ीनिटि कम होती है तथा यह बाहरी ऊतकों को आसानी से मिलना बढ़ता।
4. 2,3-बिसफोसफोगलाइसरेट शरीर तापमान नियामक के रूप में कार्य करता है।

Options :

- 68634078605. 1
- 68634078606. 2
- 68634078607. 3
- 68634078608. 4

Question Number : 53 Question Id : 68634019900 Question Type : MCQ Option Shuffling : No 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 drug sildenafil (Viagra) works by:

1. Relaxation of smooth muscles and vasodilation by activating geranylyl cyclase
2. Contraction of smooth muscles and vasodilation by activating adenylyl cyclase
3. Relaxation of smooth muscles and vasodilation by inhibiting cGMP phosphodiesterase
4. Contraction of smooth muscles and vasoconstriction by activating cGMP phosphodiesterase

Options :

- 68634078609. 1
- 68634078610. 2
- 68634078611. 3
- 68634078612. 4

Question Number : 53 Question Id : 68634019900 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

सिलडेनाफिल (वियाग्रा) नामक ड्रग निम्न प्रकार कार्य करता है -

1. चिकनी पेशी का शिथलन तथा रक्त प्रवाह वर्धन जेरान्लाइल सायक्लेस के सक्रीयन द्वारा
2. चिकनी पेशी का संकुचन तथा रक्त प्रवाह वर्धन एडीन्लाइल सायक्लेस के सक्रीयन द्वारा
3. चिकनी पेशी का शिथलन तथा रक्त प्रवाह वर्धन cGMP फास्फोडायस्ट्रेस संदमन द्वारा
4. चिकनी पेशी का संकुचन तथा रक्त प्रवाह वर्धन cGMP फास्फोडायस्ट्रेस के सक्रीयन द्वारा

Options :

- 68634078609. 1
- 68634078610. 2
- 68634078611. 3
- 68634078612. 4

Question Number : 54 Question Id : 68634019901 Question Type : MCQ Option Shuffling : No 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 pump $\text{Na}^+ - \text{K}^+$ ATPase during active transport, hydrolysis of ATP provides energy for:

1. 4 mole of Na^+ out of cell and 4 mole of K^+ into cell
2. 1 mole of Na^+ out of cell and 1 mole of K^+ into cell
3. 3 mole of Na^+ out of cell and 2 mole of K^+ into cell
4. 2 mole of Na^+ into the cell and 3 mole of K^+ out of cell

Options :

- 68634078613. 1
- 68634078614. 2
- 68634078615. 3
- 68634078616. 4

Question Number : 54 Question Id : 68634019901 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Na^+ - K^+ पम्प ATPase सक्रीय ट्रांसपोर्ट के दौरान ATP हायड्रोलोलाइसिस से उत्पन्न ऊर्जा निम्न हेतु उपलब्ध होती है।

1. Na^+ के 4 मोल अणु कोशिका से बाहर तथा K^+ के 4 मोल अणु कोशिका के अंदर
2. Na^+ का 1 मोल अणु कोशिका से बाहर तथा K^+ का 1 मोल अणु कोशिका के अंदर
3. Na^+ का 3 मोल अणु कोशिका से बाहर तथा K^+ 2 मोल अणु कोशिका के अंदर
4. Na^+ का 2 मोल अणु कोशिका के अंदर तथा K^+ के 3 मोल अणु कोशिका से बाहर

Options :

68634078613. 1
68634078614. 2
68634078615. 3
68634078616. 4

Question Number : 55 Question Id : 68634019902 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Inspiratory Capacity (IC) can be calculated as

1. Tidal Volume (TV) + Inspiratory Reserve Volume (IRV)
2. Tidal Volume (TV) + Expiratory Reserve Volume (ERV)
3. Tidal Volume (TV) - Inspiratory Reserve Volume (IRV)
4. Expiratory Reserve Volume (ERV) - Inspiratory Reserve Volume (IRV)

Options :

68634078617. 1
68634078618. 2
68634078619. 3
68634078620. 4

Question Number : 55 Question Id : 68634019902 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

अंतः श्वसनीय क्षमता (IC) निम्न द्वारा मापी जाती है

1. ज्वरीय आयतन (TV) + अंतः श्वसन सुरक्षित आयतन (IRV)
2. ज्वरीय आयतन (TV) + निःश्वसन सुरक्षित आयतन (ERV)
3. ज्वरीय आयतन (TV) - अंतः श्वसन सुरक्षित आयतन (IRV)
4. निःश्वसन सुरक्षित आयतन (ERV - अंतः श्वसन सुरक्षित आयतन (IRV)

Options :

68634078617. 1
68634078618. 2
68634078619. 3
68634078620. 4

Question Number : 56 Question Id : 68634019903 Question Type : MCQ Option Shuffling : No 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* lac operon, the lac repressor binds to the operator region _____ in the absence of lactose.

1. Very weakly
2. Very strongly
3. Not binds
4. None of the above

Options :

68634078621. 1
68634078622. 2
68634078623. 3
68634078624. 4

Question Number : 56 Question Id : 68634019903 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

E. coli लैक ओपेरॉन में लैक रिप्रेसर लेक्टोस की अनुपस्थिति में _____ आपरेटर क्षेत्र से जुड़ते हैं।

1. बहुत हल्के से
2. बहुत सशक्तता से
3. नहीं जुड़ता है
4. उपरोक्त में से कोई नहीं

Options :

68634078621. 1
68634078622. 2
68634078623. 3
68634078624. 4

Question Number : 57 Question Id : 68634019904 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

One of the major drawback of transgenic plants/crops is

1. They are often observed to be less productive
2. They are more prone for diseases
3. They may indulge in unwanted horizontal spread of transgene
4. They often produce poor quality of seeds

Options :

- 68634078625. 1
- 68634078626. 2
- 68634078627. 3
- 68634078628. 4

Question Number : 57 Question Id : 68634019904 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

पारजीवी पौधे / फसलों की मुख्य कमी है

1. सामान्यतः वे कम उत्पादीत करते हैं
2. वे अधिक रोगाग्राही होते हैं
3. वे अनपेक्षित क्षेतिज पारजीन स्थानांतरण में सम्मिलित होते हैं
4. वे अक्सर निम्न स्तर के बीज उत्पादित करते हैं।

Options :

- 68634078625. 1
- 68634078626. 2
- 68634078627. 3
- 68634078628. 4

Question Number : 58 Question Id : 68634019905 Question Type : MCQ Option Shuffling : No 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 protein synthesis process in prokaryotes is unique because, in them:

1. Transcription is not followed by Translation
2. Translation is followed by Transcription
3. Transcription is coupled with translation
4. Either transcription or translation - only one process takes place

Options :

- 68634078629. 1

68634078630. 2
68634078631. 3
68634078632. 4

Question Number : 58 Question Id : 68634019905 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

यूकेरयोट में प्रोटीन संश्लेषण की क्रिया अपने आप में निम्न कारण से विशिष्ट है -

1. ट्रांसलेशन के बाद ट्रांसक्रिप्शन नियत नहीं है
2. ट्रांसक्रिप्शन के पश्चात ट्रांसलेशन नियत है
3. ट्रांसक्रिप्शन, ट्रांसलेशन से युग्मक है
4. ट्रांसक्रिप्शन अथवा ट्रांसलेशन में से एक प्रक्रिय सम्पन्न होती है

Options :

68634078629. 1
68634078630. 2
68634078631. 3
68634078632. 4

Question Number : 59 Question Id : 68634019906 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Identify the biocatalyst among the given four examples:

1. Lysosome
2. Ribozyme
3. Chromosome
4. Golgi Vesicle

Options :

68634078633. 1
68634078634. 2
68634078635. 3
68634078636. 4

Question Number : 59 Question Id : 68634019906 Question Type : MCQ Option Shuffling : No 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 उदाहरणों में से जैव उत्प्रेरक का चयन कीजिए:

1. लायसोसोम
2. राइबोजाइम
3. क्रोमोसोम
4. गाल्जी वेसीकल

Options :

68634078633. 1
68634078634. 2
68634078635. 3
68634078636. 4

Question Number : 60 Question Id : 68634019907 Question Type : MCQ Option Shuffling : No 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 Ramachandran Plot, the angle of rotation lies between:

1. - 120° to + 180 degrees
2. - 180° to + 180 degrees
3. - 90° to + 90 degrees
4. - 180° to + 120 degrees

Options :

68634078637. 1
68634078638. 2
68634078639. 3
68634078640. 4

Question Number : 60 Question Id : 68634019907 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

रामचंद्रन ग्राफ में घुमाव कोण निम्न में होता है।

1. - 120° से + 180 डिग्री
2. - 180° से + 180 डिग्री
3. - 90° से + 90 डिग्री
4. - 180° से + 120 डिग्री

Options :

68634078637. 1

68634078638. 2
68634078639. 3
68634078640. 4

**Question Number : 61 Question Id : 68634019908 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1**

The following chemical compound is used in gene transfer using physical delivery methods:

1. Paradichlorobenzene
2. Polyethylene glycol
3. Chloramphenicol
4. Colchicine

Options :

68634078641. 1
68634078642. 2
68634078643. 3
68634078644. 4

**Question Number : 61 Question Id : 68634019908 Question Type : MCQ Option Shuffling : No 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 एक रासायनिक यौगिक का उपयोग जीन स्थानांतरण में भौतिक निकास पद्धति में किया जाता है।

1. पेरादाइक्लोरो बेंजीन
2. पॉलीइथायलीन ग्लायकॉल
3. क्लोरमफिनिकॉल
4. काल्चीसीन

Options :

68634078641. 1
68634078642. 2
68634078643. 3
68634078644. 4

**Question Number : 62 Question Id : 68634019909 Question Type : MCQ Option Shuffling : No 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 cell division protein degradation (proteolysis) is facilitated by:

1. Amino acyl synthetase pathway
2. Restriction endonuclease pathway
3. ATPase pathway
4. Ubiquitin pathway

Options :

- 68634078645. 1
- 68634078646. 2
- 68634078647. 3
- 68634078648. 4

Question Number : 62 Question Id : 68634019909 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

कोशिका विभाजन के दौरान प्रोटीन विघटन (प्रोटियोलायसिस) निम्न द्वारा प्रोत्साहित किया जाता है।

1. एमीनो एसिल सिन्थेटेज पथ
2. रेसट्रीकशन एंडोन्यूक्लीऐस पथ
3. ATPase पथ
4. यूबीक्वीटिन पथ

Options :

- 68634078645. 1
- 68634078646. 2
- 68634078647. 3
- 68634078648. 4

Question Number : 63 Question Id : 68634019910 Question Type : MCQ Option Shuffling : No 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 Sanger's DNA sequencing, for chain termination of replication _____ is used.

1. 5' - methylcytosine
2. 2', 3' -dideoxy analog
3. 2', 3' - deoxy analog
4. 2', 3' - cyclic cAMP

Options :

- 68634078649. 1

68634078650. 2
68634078651. 3
68634078652. 4

Question Number : 63 Question Id : 68634019910 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

सेगर्स DNA क्रमण में रेप्लीकेशन में चेन तोड़ने में निम्न का प्रयोग किया जाता है-

1. 5'-मिथायलसायटोसिन
2. 2', 3'-डायडिआक्सी समरूप (एनालाग)
3. 2', 3' - डीऑक्सी समरूप (एनालाग)
4. 2', 3'-सायक्लीक cAMP

Options :

68634078649. 1
68634078650. 2
68634078651. 3
68634078652. 4

Question Number : 64 Question Id : 68634019911 Question Type : MCQ Option Shuffling : No 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 commonly used antibiotic "Erythromycin" is produced by:

1. *Bacillus licheniformis*
2. *Streptomyces erythreus*
3. *Pencillium chrysogenum*
4. *Streptomyces antibioticus*

Options :

68634078653. 1
68634078654. 2
68634078655. 3
68634078656. 4

Question Number : 64 Question Id : 68634019911 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

सामान्यतः प्रयोग किया जाने वाला 'एरीथ्रोमयसीन' एंटीबायोटिक निम्न द्वारा उत्पादित किया जाता है-

1. बेसिलस लाइकेनीफारमिस
2. स्ट्रेप्टोमायसिस एरिथ्रीयस
3. पेनिसिलियम क्राइसोजीनम
4. स्ट्रेप्टोमायसिस एंटीबायोटिकस

Options :

68634078653. 1
68634078654. 2
68634078655. 3
68634078656. 4

Question Number : 65 Question Id : 68634019912 Question Type : MCQ Option Shuffling : No 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 nucleosome model, the dsDNA is wound on which molecular structure to give organisation to DNA into chromatin

1. H1 molecule
2. Histone protein Octamer
3. Nuclear membrane
4. Lysosomes

Options :

68634078657. 1
68634078658. 2
68634078659. 3
68634078660. 4

Question Number : 65 Question Id : 68634019912 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

न्यूक्लियोसोम मॉडल में dsDNA निम्न आण्विक संरचना पर लिपटकर DNA क्रोमोटीन की रचना करता है।

1. H1 अणु
2. हिस्टोन प्रोटीन आक्टामर
3. न्यूक्लियर झिल्ली
4. लायसोसोम

Options :

- 68634078657. 1
- 68634078658. 2
- 68634078659. 3
- 68634078660. 4

Question Number : 66 Question Id : 68634019913 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

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

Assertion A: The second law of thermodynamics states that the total entropy of a system plus that of its surroundings always increases.

Reason R: The release of water from nonpolar surfaces responsible for the hydrophobic effect is favourable because water molecules free in solution are more disordered than they are when they are associated with nonpolar surfaces.

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

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

Options :

- 68634078661. 1
- 68634078662. 2
- 68634078663. 3
- 68634078664. 4

Question Number : 66 Question Id : 68634019913 Question Type : MCQ Option Shuffling : No 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: थर्मोडायनामिक्स के द्वितीय नियमानुसार तंत्र की संपूर्ण एंट्रॉपी सदैव बढ़त पर होती है

कारण R: अध्रुवीय सतह से पानी का निकलना जल विरोधी गुणस्वरूप सकारात्मक क्रिया है क्योंकि जल के अणु घोल में ज्यादा अव्यवस्थित होते हैं, अध्रुवीय सतह से बंधी हुई अवस्था की तुलना में

उपर्युक्त कथनों के आलोक में, 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 और R, A की सही व्याख्या नहीं है
3. A सही है लेकिन R सही नहीं है
4. A सही नहीं है लेकिन R सही है

Options :

68634078661. 1
68634078662. 2
68634078663. 3
68634078664. 4

Question Number : 67 Question Id : 68634019914 Question Type : MCQ Option Shuffling : No 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: Substrates are bound to enzymes by multiple weak attraction. The noncovalent interaction in ES complex are much weaker than covalent bond, which have energies between - 210 and - 460 kJ mol^{-1} .

Reason R: The mechanism of catalysis is dynamic, involving structural changes with multiple intermediates of both reactants and enzymes.

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

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

Options :

68634078665. 1
68634078666. 2
68634078667. 3

Question Number : 67 Question Id : 68634019914 Question Type : MCQ Option Shuffling : No 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: क्रियाधार एन्जाइम से बहुत से क्षीण आकर्षणों द्वारा बंधा होता है। ES समूह में नॉनकोवैलेंट बंध, कोवैलेंट बंध की तुलना में काफी कमजोर होता जिनकी ऊर्जा - 210 से - 460 kJ mol⁻¹ होती है

कारण R: उत्प्रेरण की क्रियाविधि सक्रिय होती है जिसमें रिएक्टेंट तथा एन्जाइम के बहुत से मध्यवर्ती अणु बनते हैं तथा संरचनात्मक बदलाव आते हैं।

उपर्युक्त कथनों के आलोक में, 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 और R, A की सही व्याख्या नहीं है
3. A सही है लेकिन R सही नहीं है
4. A सही नहीं है लेकिन R सही है

Options :

68634078665. 1

68634078666. 2

68634078667. 3

68634078668. 4

Question Number : 68 Question Id : 68634019915 Question Type : MCQ Option Shuffling : No 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: Nerve impulses are communicated across synapses by small, diffusible molecules called neurotransmitters. Acetylcholine receptor is best understood ligand-gated channel. Acetylcholine opens a single kind of cation channel called acetylcholine receptor, which is almost equally permeable to Na^+ and K^+ .

Reason R: P-type ATPases, which include the sarcoplasmic reticulum Ca^{2+} ATPase and $\text{Na}^+ - \text{K}^+$ ATPase, are integral membrane proteins with conserved structures and catalytic mechanisms.

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

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

Options :

68634078669. 1
68634078670. 2
68634078671. 3
68634078672. 4

Question Number : 68 Question Id : 68634019915 Question Type : MCQ Option Shuffling : No 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: तंत्रिका संवेग के पार बहुत छोटे पारगम्य अणुओं से प्रसारित होती है जिन्हें न्यूरोट्रांसमिटर कहा जाता है। एसीटायल ग्राही लीगेण्ड चैनल का सर्वोत्तम उदाहरण है। एसीटायल कोलाइन एकल केटायन चैनल खोखल है जिसे एसीटायल कोलाइन ग्राही कहते हैं तथा यह Na^+ व K^+ हेतु एक समान पारगम्य है।

कारण R: P- टाइप ATP ऐसे जिसके सार्कोप्लास्मिक रेटिक्यूलम ATP ऐसे तथा $\text{Na}^+ - \text{K}^+$ ATP ऐसे सम्मिलित है तथा संरक्षित संरचना एवं उत्प्रेरक क्रियाविधि वाला संघटित झिल्ली प्रोटीन है।

उपर्युक्त कथनों के आलोक में, 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 और R, A की सही व्याख्या नहीं है
3. A सही है लेकिन R सही नहीं है
4. A सही नहीं है लेकिन R सही है

Options :

68634078669. 1

68634078670. 2
68634078671. 3
68634078672. 4

Question Number : 69 Question Id : 68634019916 Question Type : MCQ Option Shuffling : No 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: Enzyme sucrase will not bind and act on other disaccharides such as maltose.

Reason R: Due to enzyme specific functionality enzyme sucrase act only on sucrose.

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

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

Options :

68634078673. 1
68634078674. 2
68634078675. 3
68634078676. 4

Question Number : 69 Question Id : 68634019916 Question Type : MCQ Option Shuffling : No 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: एन्जाइम सुकरेस अन्य डाइसेकराइड्स जैसे मालटोस से नहीं जुड़ता है।

कथन II: एन्जाइम आधारित विशिष्ट कार्मिशिलता के कारण सेकरेस मात्र सुकरोज पर कार्य करता है।

उपर्युक्त कथनों के आलोक में, दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

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

Options :

68634078673. 1

68634078674. 2
68634078675. 3
68634078676. 4

Question Number : 70 Question Id : 68634019917 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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

Assertion A: The number of Adenine bases in a DNA molecule is always equal to Thymine bases.

Reason R: As per Chargaff's principle, in a given DNA molecule the proportion of purines and pyrimidines is always equal.

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

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

Options :

68634078677. 1
68634078678. 2
68634078679. 3
68634078680. 4

Question Number : 70 Question Id : 68634019917 Question Type : MCQ Option Shuffling : No 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: DNA अणु में एडिनीन अणु के संख्या सदैव थायमीन क्षार के बराबर होती है।

कथन II: चारगाफ सिद्धांत के अनुसार किसी दिए गये DNA अणु में प्यूरीन तथा पायरीमिडीन का अनुपात सदैव समान होता है।

उपर्युक्त कथनों के आलोक में, दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

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

Options :

- 68634078677. 1
- 68634078678. 2
- 68634078679. 3
- 68634078680. 4

Question Number : 71 Question Id : 68634019918 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

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

Assertion A: In yeast, a single Cdk (Cyclin dependent Kinases) viz. Cdk1 controls the cell cycle progression.

Reason R: In mammalian cells, minimum two or in special situation more than two Cdks control the cell progression.

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

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

Options :

- 68634078681. 1
- 68634078682. 2
- 68634078683. 3
- 68634078684. 4

Question Number : 71 Question Id : 68634019918 Question Type : MCQ Option Shuffling : No 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: यीस्ट में एक Cdk (सायक्लीन आधारित काइनेज) यथा Cdk1 कोशिका चक्र के प्रगतन पर नियंत्रण करता है।

कारण R: स्तनधारीय कोशिका में न्यूनतम दो अथवा विशिष्ट अवस्था में दो से अधिक Cdk कोशिका विकास पर नियंत्रण करते हैं।

उपर्युक्त कथनों के आलोक में, 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 और R, A की सही व्याख्या नहीं है
3. A सही है लेकिन R सही नहीं है
4. A सही नहीं है लेकिन R सही है

Options :

- 68634078681. 1
- 68634078682. 2
- 68634078683. 3
- 68634078684. 4

Question Number : 72 Question Id : 68634019919 Question Type : MCQ Option Shuffling : No 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: Plants raised *in-vitro*, through tissue culture technique often exhibit morphological and genetic variations.

Reason R: Plant genetic fidelity often gets impacted by somaclonal variations.

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

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

Options :

- 68634078685. 1
- 68634078686. 2
- 68634078687. 3
- 68634078688. 4

Question Number : 72 Question Id : 68634019919 Question Type : MCQ Option Shuffling : No 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: सामान्यतः जीवे माध्यम में टिशु कल्चर विधि द्वारा विकासीत किये गये पौधे अक्सर कायिकीय तथा आनुवंशिकीय विविधता दर्शाता है।

कारण R: पादप आनुवंशिक निष्ठावादिता सामान्यतः सोमाक्लोनल विविधता द्वारा प्रभावित होती है।

उपर्युक्त कथनों के आलोक में, 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 और R, A की सही व्याख्या नहीं है
3. A सही है लेकिन R सही नहीं है
4. A सही नहीं है लेकिन R सही है

Options :

- 68634078685. 1
- 68634078686. 2
- 68634078687. 3
- 68634078688. 4

Question Number : 73 Question Id : 68634019920 Question Type : MCQ Option Shuffling : No 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 events occurring in a JAK/STAT signaling pathway in the correct sequence:

- A. Phosphorylation of Tyr residues on receptor by JAK
- B. Binding of ligand to receptor
- C. Dimerisation of receptor
- D. Binding of STAT to phosphorylated Tyr and phosphorylation of STAT by JAK
- E. Dimerisation of phosphorylated STAT followed by translocation of STAT dimer to nucleus to modulate gene-expression.

Choose the correct answer from the options given below:

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

Options :

- 68634078689. 1
- 68634078690. 2
- 68634078691. 3
- 68634078692. 4

Question Number : 73 Question Id : 68634019920 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

JAK / STAT नियंत्रण क्रम में निम्न घटनाओं को सही क्रम में चयन आयोजित करें :

- A. Tyr अवशेष का JAK ग्राही पर फारफोरायलेशन
- B. लिगेण्ड का रिसेप्टर पर बंधन
- C. रिसेप्टर का डायमराइजेशन (द्विलकरण)
- D. फास्फोरायलेटेड Tyr का STAT से बंधन तथा STAT का JAK द्वारा फास्फोरायलेशन
- E. फास्फोरायलेटेड STAT का द्विलकरण तत्पश्चात STAT डायमर का केंद्रक पर परस्थापन जिससे जीन अभिव्यक्ति माड्युलेट किया जा सके

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

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

Options :

- 68634078689. 1
- 68634078690. 2
- 68634078691. 3
- 68634078692. 4

Question Number : 74 Question Id : 68634019921 Question Type : MCQ Option Shuffling : No 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 destined to be secreted, move through the secretory pathway in which of the following order

- A. Cell surface
- B. Rough endoplasmic reticulum
- C. Secretory vesicle
- D. Transport vesicle
- E. Golgi complex

Choose the correct answer from the options given below:

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

Options :

- 68634078693. 1
- 68634078694. 2
- 68634078695. 3
- 68634078696. 4

Question Number : 74 Question Id : 68634019921 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

स्रावी प्रोटीन,स्रावी मार्ग से किस क्रम में स्रावित होता है

- A. कोशिका सतह
- B. खुरदरी एंडोप्लास्मिक रेटीक्यूलम
- C. स्रावी वेसीकल
- D. वाहिका वेसीकल
- E. गाल्गी कॉम्प्लेक्स

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

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

Options :

- 68634078693. 1
- 68634078694. 2
- 68634078695. 3
- 68634078696. 4

Question Number : 75 Question Id : 68634019922 Question Type : MCQ Option Shuffling : No 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 enzymes in sequence on the basis of their involvement in citric acid cycle.

- A. Aconitase
- B. Isocitrate dehydrogenase
- C. Fumarase
- D. Malate-dehydrogenase
- E. Succinate dehydrogenase

Choose the correct answer from the options given below:

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

Options :

- 68634078697. 1
- 68634078698. 2
- 68634078699. 3
- 68634078700. 4

Question Number : 75 Question Id : 68634019922 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

सायट्रिक अम्ल चक्र में प्रयोग एन्जाइम के सही क्रम का चयन करें :

- A. एकोनिटेस
- B. आइसोसायट्रेट डिहायड्रोजिनेस
- C. फ्यूमरेस
- D. मेलैट डिहायड्रोजिनेस
- E. सक्सीनेट डिहायड्रोजिनेस

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

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

Options :

- 68634078697. 1
- 68634078698. 2
- 68634078699. 3

68634078700. 4

Question Number : 76 Question Id : 68634019923 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Write the correct sequence of intermediates formed during Pentose Phosphate pathway.

- A. 6-phosphogluconate
- B. Ribose-5-phosphate
- C. Sedoheptulose-7-phosphate
- D. Glucose-6-phosphate
- E. Ribulose-5-phosphate

Choose the correct answer from the options given below:

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

Options :

- 68634078701. 1
- 68634078702. 2
- 68634078703. 3
- 68634078704. 4

Question Number : 76 Question Id : 68634019923 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

पेंटोस फास्फेट मार्ग में बनने वाले अतिरिक्त घटकों का चयन कीजिए

- A. 6-फास्फोग्लूकोनेट
- B. राइबोस-5-फास्फेट
- C. सिडोहेप्टुलोज-7-फास्फेट
- D. ग्लूकोस-6-फास्फेट
- E. रिबुलोस-5-फास्फेट

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

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

Options :

68634078701. 1
68634078702. 2
68634078703. 3
68634078704. 4

**Question Number : 77 Question Id : 68634019924 Question Type : MCQ Option Shuffling : No 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 in the increasing order in which they are excreted in a normal healthy individual

- A. Urea
- B. Glucose
- C. Sodium
- D. Water

Choose the correct answer from the options given below:

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

Options :

68634078705. 1
68634078706. 2
68634078707. 3
68634078708. 4

**Question Number : 77 Question Id : 68634019924 Question Type : MCQ Option Shuffling : No 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 को एक सामान्य स्वस्थ व्यक्ति में से उसके निष्कासन के क्रम में आयोजित कीजिए :

- A. यूरिया
- B. ग्लूकोस
- C. सोडियम
- D. जल

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

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

Options :

- 68634078705. 1
- 68634078706. 2
- 68634078707. 3
- 68634078708. 4

Question Number : 78 Question Id : 68634019925 Question Type : MCQ Option Shuffling : No 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 in increasing order of their diameter:

- A. HDL
- B. VLDL
- C. Chylomicron
- D. LDL

Choose the correct answer from the options given below:

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

Options :

- 68634078709. 1
- 68634078710. 2
- 68634078711. 3
- 68634078712. 4

Question Number : 78 Question Id : 68634019925 Question Type : MCQ Option Shuffling : No 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 को उनके व्यास के बढ़ते क्रम में रखे

- A. HDL
- B. VLDL
- C. कायलोमायक्रोन
- D. LDL

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

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

Options :

- 68634078709. 1
- 68634078710. 2
- 68634078711. 3
- 68634078712. 4

Question Number : 79 Question Id : 68634019926 Question Type : MCQ Option Shuffling : No 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 events responsible for colon cancer in the correct order in which they occur.

- A. The benign adenoma progresses to a malignant adenoma.
- B. A single mutated cell starts to proliferate abnormally, giving rise to a proliferative cell population.
- C. The cancer cells invade the underlying connective tissue and penetrate the blood and lymphatic vessels, thereby spreading throughout the body.
- D. Additional mutations follow, leading to subsequent formation of an adenoma.

Choose the correct answer from the options given below:

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

Options :

- 68634078713. 1
- 68634078714. 2
- 68634078715. 3
- 68634078716. 4

Question Number : 79 Question Id : 68634019926 Question Type : MCQ Option Shuffling : No 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 को कोलन कैंसर कारक घटनाओं के सही क्रम में आयोजित करें

- A. बेनाइन एडीनिमा का मेलिगनेंट एडिनिमा में बदलना
- B. एकल म्यूटेड कोशिका अनियंत्रित रूप में बढ़ना तथा बढ़ती कोशिका का आबादी बनना
- C. कर्क कोशिका, अधःस्थ नीचे संयोजी ऊतकों में प्रवेश कर, रक्त और लीम्फेटिक वेसल में प्रवेश करते हुए तथा पूर्ण शरीर में फैलाव
- D. अतिरिक्त उत्परिवर्तन होकर तत्पश्चात एडीनिमा का विकास

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

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

Options :

- 68634078713. 1
- 68634078714. 2
- 68634078715. 3
- 68634078716. 4

Question Number : 80 Question Id : 68634019927 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Given below are two statements:

Statement I: "The chemiosmotic model suggests that the energy stored in electrochemical gradient due to difference in proton concentration and the separation of charge across the inner mitochondrial membrane - drives the synthesis of ATP as protons move passively back into the matrix through a pore in ATP synthase."

Statement II: Inhibition of electron movement to oxygen will block ATP synthesis.

In the light of 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 :

- 68634078717. 1
- 68634078718. 2
- 68634078719. 3
- 68634078720. 4

Question Number : 80 Question Id : 68634019927 Question Type : MCQ Option Shuffling : No 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: "कैमीऑस्मोटिक मॉडल दर्शाता है कि इलेक्ट्रोसायनिक प्रवणत में भंडारित ऊर्जा जो प्रोटॉन सांद्रता में अंतर तथा आंतरिक मायटाकान्द्रियल झिल्ली पर आवेश का अलग होना, ATP संश्लेषण का प्रवाहकर्ता है जब प्रोटॉन स्वछंद रूप से वापस ATP सिंथेस के छिद्रों द्वारा मेट्रिक्स तक आते हैं।

कारण R: ऑक्सीजन की ओर एलेक्ट्रॉन प्रवाह में बाधा, ATP संश्लेषण को रोकती है।

उपर्युक्त कथनों के आलोक में, 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 और R, A की सही व्याख्या नहीं है
3. A सही है लेकिन R सही नहीं है
4. A सही नहीं है लेकिन R सही है

Options :

68634078717. 1
68634078718. 2
68634078719. 3
68634078720. 4

Question Number : 81 Question Id : 68634019928 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements:

Statement I: A pregnant woman has a higher requirement of folic acid.

Statement II: Folic acid regulates glucose levels in the growing fetus and maintains carbohydrate metabolism.

In the light of 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 :

68634078721. 1

68634078722. 2

68634078723. 3

68634078724. 4

Question Number : 81 Question Id : 68634019928 Question Type : MCQ Option Shuffling : No 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: गर्भवती महिला में फॉलिक अम्ल की आवश्यकता बढ़ जाती है

कारण R: फॉलिक अम्ल बढ़ते भ्रूण में ग्लूकोस के स्तर का नियंत्रण तथा कार्बोहायड्रेट उपापचय का नियंत्रण करता है

उपर्युक्त कथनों के आलोक में, 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 और R, A की सही व्याख्या नहीं है
3. A सही है लेकिन R सही नहीं है
4. A सही नहीं है लेकिन R सही है

Options :

68634078721. 1

68634078722. 2

68634078723. 3

68634078724. 4

Question Number : 82 Question Id : 68634019929 Question Type : MCQ Option Shuffling : No 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: Vegetarians are more prone towards iron-deficiency anaemia.

Statement II: Vegetarian foods typically contain certain substances which inhibit iron absorption in the body.

In the light of 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 :

- 68634078725. 1
- 68634078726. 2
- 68634078727. 3
- 68634078728. 4

Question Number : 82 Question Id : 68634019929 Question Type : MCQ Option Shuffling : No 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: शाकाहारी, लोह कमी वाली एनीमिया के प्रति अधिक संवेदी होते हैं।

कारण R: शाकाहारी खाद्य में कुछ खास घटक विशेष रूप से लौह अवशोषण में बाधक बनते हैं।

उपर्युक्त कथनों के आलोक में, 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 और R, A की सही व्याख्या नहीं है
3. A सही है लेकिन R सही नहीं है
4. A सही नहीं है लेकिन R सही है

Options :

- 68634078725. 1
- 68634078726. 2
- 68634078727. 3
- 68634078728. 4

Question Number : 83 Question Id : 68634019930 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements:

Statement I: In transgenic plants developed by prokaryotic expression systems, the expression of transgene is very high.

Statement II: Eukaryotic protein expression system is of limited use as the expression is very low in transgenic organisms.

In the light of 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 :

68634078729. 1
68634078730. 2
68634078731. 3
68634078732. 4

Question Number : 83 Question Id : 68634019930 Question Type : MCQ Option Shuffling : No 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: पारजीवी पादपों में जिनका विकास प्रोकेरियोटिक तंत्र द्वारा हुआ हो वे पारजीव उत्पद को बहुत उच्च दर पर प्रदर्शित करते हैं।

कथन II: यूकेरियोट प्रोटीन एक्सप्रेसन तंत्र का, पारजीवों में, कम उत्पादकत/एक्सप्रेसन के चलते सीमित प्रयोग होता है।

उपर्युक्त कथनों के आलोक में, दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

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

Options :

68634078729. 1
68634078730. 2
68634078731. 3
68634078732. 4

Question Number : 84 Question Id : 68634019931 Question Type : MCQ Option Shuffling : No 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:Cancer cells have to rely on glycolysis for their energy requirements.

Statement II: 2-deoxyglucose has shown potential as a chemotherapeutic agent.

In the light of 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 :

- 68634078733. 1
- 68634078734. 2
- 68634078735. 3
- 68634078736. 4

Question Number : 84 Question Id : 68634019931 Question Type : MCQ Option Shuffling : No 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: कैंसर कोशिका अपनी ऊर्जा आवश्यकता हेतु ग्लाइकोलिसिस पर निर्भर करता है।

कथन II: 2- डिआक्सीग्लूकोस ने एक प्रभावी किमोथिरेपिटिक घटक के रूप में पहचान बनाई है।

उपर्युक्त कथनों के आलोक में, दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

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

Options :

- 68634078733. 1
- 68634078734. 2
- 68634078735. 3
- 68634078736. 4

Question Number : 85 Question Id : 68634019932 Question Type : MCQ Option Shuffling : No 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: Atherosclerosis can be caused due to HDL-cholesterol accumulation.

Statement II: Statins inhibit cholesterol biosynthesis.

In the light of 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 :

- 68634078737. 1
- 68634078738. 2
- 68634078739. 3
- 68634078740. 4

Question Number : 85 Question Id : 68634019932 Question Type : MCQ Option Shuffling : No 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: HDL- कोलेस्ट्रॉल एकत्रण से एथेरोस्केलेरोसिस होता है।

कथन II: स्टेटिन कोलेस्ट्रॉल जैव संश्लेषण में बाधक है।

उपर्युक्त कथनों के आलोक में, दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

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

Options :

- 68634078737. 1
- 68634078738. 2
- 68634078739. 3
- 68634078740. 4

Question Number : 86 Question Id : 68634019933 Question Type : MCQ Option Shuffling : No 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: Hormones act through specific high affinity cellular receptors.

Statement II: Steroid hormones pass through the plasma membrane of their target cells and bind to their receptors in the nucleus.

In the light of 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 :

- 68634078741. 1
- 68634078742. 2
- 68634078743. 3
- 68634078744. 4

Question Number : 86 Question Id : 68634019933 Question Type : MCQ Option Shuffling : No 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: हार्मोन विशिष्ट कोशिकीय ग्राही के माध्यम से कार्य करता है।

कथन II: स्टीरायड हार्मोन अपनी टारगेट कोशिका की प्लास्मा झिल्ली को पार कर केंद्रक में अपने ग्राही तक पहुंचते हैं।

उपर्युक्त कथनों के आलोक में, दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

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

Options :

- 68634078741. 1
- 68634078742. 2
- 68634078743. 3
- 68634078744. 4

Question Number : 87 Question Id : 68634019934 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Choose the correct statements from those given below:

- A. A balanced diet contains carbohydrates, proteins, fats, minerals, vitamin and some dietary fibre.
- B. Deficiency of Vitamin E leads to pellagra.
- C. Nutraceuticals are the substances present in food that can have specific pharmacological properties.
- D. Patients suffering from phenylketonuria are advised to limit the consumption of phenylalanine in their diet

Choose the correct answer from the options given below:

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

Options :

- 68634078745. 1
- 68634078746. 2
- 68634078747. 3
- 68634078748. 4

Question Number : 87 Question Id : 68634019934 Question Type : MCQ Option Shuffling : No 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 सही कथन का चयन करें :

- A. संतुलित भोजन में कार्बोहायड्रेट, प्रोटीन, वसा, खनिज, विटामिन तथा पाचन तंतु होते हैं।
- B. विटामिन E की कमी से पेलाग्रा होता है।
- C. न्यूट्रासिटिकल वह घटक हैं जो भोजन में उपस्थित होकर फार्माकाल्जिकल गुण रखते हैं।
- D. फिनायलकिटोन्यूरिया से ग्रस्त रोगी, अपने भोजन में फिनायलएलेनिन की मात्रा को सीमा में रखने के प्रति सचेत किये जाते हैं।

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

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

Options :

- 68634078745. 1

68634078746. 2
68634078747. 3
68634078748. 4

Question Number : 88 Question Id : 68634019935 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Choose the correct statements:

- A. Eukaryotes store energy as triacylglycerols in adipocytes
- B. Transfer of phosphatidylethanolamine (PE) to the outer surface of a cell is a signal for programmed cell death
- C. Integral membrane proteins are attached firmly with the lipid bilayer and can be removed by using detergents.
- D. GPI anchored proteins preferentially are localized in the lipid rafts.
- E. Plasma membrane of humans is rich in cardiolipin.

Choose the correct answer from the options given below:

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

Options :

68634078749. 1
68634078750. 2
68634078751. 3
68634078752. 4

Question Number : 88 Question Id : 68634019935 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सही कथनों का चयन करें :

- A. यूकेरयोट्स ऊर्जा को ट्राइग्लिसरॉल के रूप में एडीपोसाइट में सहेजते हैं
- B. कोशिका के बाहरी सतह पर फास्फोटिडिलइथनोलएलेनिन (PE) ट्रांसफर, प्रोग्राम्ड कोशिका मृत्यु का संदेश है
- C. इंटीग्रल झिल्लीय प्रोटीन लिपिड द्विस्तर पर सुदृढ़ता से जुड़े रहते हैं तथा डिटरजेंट के प्रयोग से अलग किया जा सकते हैं
- D. GPI से अटके प्रोटीन प्राथमिक रूप से लिपिड राफ्ट पर उपस्थित होते हैं
- E. मानव की प्लाज्मा झिल्ली कार्डीयोलिपिन से प्रचुर होती है

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

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

Options :

- 68634078749. 1
- 68634078750. 2
- 68634078751. 3
- 68634078752. 4

Question Number : 89 Question Id : 68634019936 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Choose the correct statements from those given below:

- A. C5 convertase is formed from C5a and C5b convertase
- B. C5 convertase is formed from C3b and C3 convertase
- C. C3a and C3b are formed by C5 convertase
- D. The membrane attack complex consist of C5b, C6, C7, C8 and C9
- E. C5 convertase is formed from C5ab

Choose the correct answer from the options given below:

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

Options :

- 68634078753. 1
- 68634078754. 2
- 68634078755. 3
- 68634078756. 4

Question Number : 89 Question Id : 68634019936 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Choose the correct statements from those given below:

- A. C5 कनवर्टेस C5a तथा C5b से बनता है
- B. C5 कनवर्टेस C3b तथा C3 कनवर्टेस से बनता है
- C. C3a तथा C3b का निर्माण C5 कनवर्टेस से होता है
- D. झिल्ली आक्रमक समूह C5a, C6, C7, C8 तथा C9 से बनता है
- E. C5 कनवर्टेस C5ab से बनता है

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

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

Options :

- 68634078753. 1
- 68634078754. 2
- 68634078755. 3
- 68634078756. 4

Question Number : 90 Question Id : 68634019937 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

The following are important steps in plant tissue culture technique, which is used to multiply transgenic plants.

- A. Acclimatization of hardened plants
- B. Spray of insecticide
- C. Surface sterilization of explant
- D. Inoculation of explant on culture medium

Choose the correct answer from the options given below:

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

Options :

- 68634078757. 1
- 68634078758. 2

68634078759. 3

68634078760. 4

Question Number : 90 Question Id : 68634019937 Question Type : MCQ Option Shuffling : No 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 पारजीनी पादप बढ़ाने से ऊतक संविधन विधि निम्न हेतु महत्वपूर्ण है

- A. हार्डनड पौधों के अनुकूलन में
- B. कीटनाशक छिड़काव
- C. एक्सप्लांट का सही स्टरीलाइजेशन
- D. संविधि माध्यम में एक्सप्लांट का इनआक्यूलेशन

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

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

Options :

68634078757. 1

68634078758. 2

68634078759. 3

68634078760. 4

Question Number : 91 Question Id : 68634019938 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Which of the following are types of ELISA ?

- A. Competitive
- B. Discontinuous
- C. Indirect
- D. Sandwich

Choose the correct answer from the options given below:

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

Options :

68634078761. 1

68634078762. 2
68634078763. 3
68634078764. 4

**Question Number : 91 Question Id : 68634019938 Question Type : MCQ Option Shuffling : No 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 ELISA के प्रकार हैं :

- A. कम्पीटिटिव / प्रतियोगी
- B. डिसकंटीनिअस
- C. इन्डायरेक्ट
- D. सेंडविच

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

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

Options :

68634078761. 1
68634078762. 2
68634078763. 3
68634078764. 4

**Question Number : 92 Question Id : 68634019939 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

Which of the following are types of eletrophoresis?

- A. Competitive
- B. Pulsed-field gel
- C. Indirect
- D. 2-Dimensional

Choose the correct answer from the options given below:

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

Options :

68634078765. 1
68634078766. 2
68634078767. 3
68634078768. 4

**Question Number : 92 Question Id : 68634019939 Question Type : MCQ Option Shuffling : No 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 इलेक्ट्रोफोरेसिस के प्रकार हैं:

- A. कम्पीटिटिव / प्रतियोगी
- B. पल्स-फील्ड जेल
- C. इन्डायरेक्ट
- D. 2-द्विदिशीय

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

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

Options :

68634078765. 1
68634078766. 2
68634078767. 3
68634078768. 4

**Question Number : 93 Question Id : 68634019940 Question Type : MCQ Option Shuffling : No 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 termination of transcription process in prokaryotes is carried out by:

- A. Rho (ρ) independent mechanism
- B. Ubiquitin pathway
- C. Rho (ρ) dependent mechanism
- D. Dicer

Choose the correct answer from the options given below:

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

Options :

- 68634078769. 1
- 68634078770. 2
- 68634078771. 3
- 68634078772. 4

Question Number : 93 Question Id : 68634019940 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

प्रोकेरयोट्स में ट्रांस्क्रिप्सन क्रिया का समापन निम्न द्वारा किया जाता है

- A. रो (ρ) स्वावलंबी विधि
- B. युबीक्वीटिन पाथवे
- C. रो (ρ) निर्भर क्रियाविधि
- D. डायसर

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

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

Options :

- 68634078769. 1
- 68634078770. 2
- 68634078771. 3
- 68634078772. 4

Question Number : 94 Question Id : 68634019941 Question Type : MCQ Option Shuffling : No 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. | Maple Syrup Urine Disease | I. | Phenylalanine hydroxylase |
| B. | Phenylketonuria | II. | Essential amino acid |
| C. | Leucine | III. | Branched chain α - keto acid dehydrogenase complex |
| D. | Valine | IV. | Ketogenic amino acid |

Choose the correct answer from the options given below:

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

Options :

68634078773. 1
68634078774. 2
68634078775. 3
68634078776. 4

Question Number : 94 Question Id : 68634019941 Question Type : MCQ Option Shuffling : No 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. | मैपल सिरप मूत्र रोग | I. | फिनाइलएलनीन हाइड्रॉलेज |
| B. | फिनायलकीटोनयूरिया | II. | अवश्यक एमीनो अम्ल |
| C. | ल्यूसिन | III. | शाखीय श्रंखला एल्फा कीटो अम्ल डीहाइड्रोजीनेज तंत्र |
| D. | वैलिन | IV. | कीटो जैविक एमीनो अम्ल |

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634078773. 1
68634078774. 2
68634078775. 3
68634078776. 4

Question Number : 95 Question Id : 68634019942 Question Type : MCQ Option Shuffling : No 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. | IgA | I. | Pentamer |
| B. | IgE | II. | Crosses Placenta |
| C. | IgG | III. | Basophils |
| D. | IgM | IV. | Secretory component |

Choose the correct answer from the options given below:

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

Options :

- 68634078777. 1
- 68634078778. 2
- 68634078779. 3
- 68634078780. 4

Question Number : 95 Question Id : 68634019942 Question Type : MCQ Option Shuffling : No 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. | IgA | I. | पेन्टामर |
| B. | IgE | II. | अपरा के द्वारा पारगम्य |
| C. | IgG | III. | बेसोफिल |
| D. | IgM | IV. | स्रावी घटक |

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

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

Options :

- 68634078777. 1
- 68634078778. 2

68634078779. 3
68634078780. 4

Question Number : 96 Question Id : 68634019943 Question Type : MCQ Option Shuffling : No 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. | Puromycin | I. | 30S ribosome |
| B. | Kanamycin | II. | 'A' site of ribosome |
| C. | Erythromycin | III. | 16S rRNA |
| D. | Streptomycin | IV. | 23S rRNA |

Choose the correct answer from the options given below:

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

Options :

68634078781. 1
68634078782. 2
68634078783. 3
68634078784. 4

Question Number : 96 Question Id : 68634019943 Question Type : MCQ Option Shuffling : No 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. | प्युरोमाइसिन | I. | 30S राइबोसोम |
| B. | केनामाइसिन | II. | राइबोसोम की 'A' पटल |
| C. | एरिथ्रोमाइसिन | III. | 16S आरआर.एन.ए. |
| D. | स्ट्रेप्टोमाइसिन | IV. | 23S आरआर.एन.ए. |

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634078781. 1
68634078782. 2
68634078783. 3
68634078784. 4

Question Number : 97 Question Id : 68634019944 Question Type : MCQ Option Shuffling : No 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. | Actin | I. | Binds along the thin filaments |
| B. | Myosin | II. | Binds along the length of thin filaments |
| C. | Tropomyosin | III. | Component of thick filament |
| D. | Troponin | IV. | Component of thin filament |

Choose the correct answer from the options given below:

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

Options :

68634078785. 1
68634078786. 2
68634078787. 3
68634078788. 4

Question Number : 97 Question Id : 68634019944 Question Type : MCQ Option Shuffling : No 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. | एक्टिन | I. | पतले तंतु के साथ बंधित |
| B. | मायोसिन | II. | पतले तंतु की लम्बाई के साथ बन्धित |
| C. | ट्रोपोमायोसिन | III. | मोटे तंतु के घटक |
| D. | ट्रोपोनिन | IV. | पतले तंतु के घटक |

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634078785. 1
68634078786. 2
68634078787. 3
68634078788. 4

Question Number : 98 Question Id : 68634019945 Question Type : MCQ Option Shuffling : No 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. | Angiotensin - II | I. | Control of body temperature |
| B. | Dopamine | II. | Emotional response |
| C. | Serotonin | III. | Stimulates thirst |
| D. | Endorphin | IV. | Induces of sleep |

Choose the correct answer from the options given below:

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

Options :

68634078789. 1
68634078790. 2
68634078791. 3
68634078792. 4

Question Number : 98 Question Id : 68634019945 Question Type : MCQ Option Shuffling : No 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. | एन्जियो टेन्सिन -II | I. | शरीर ताप का नियंत्रण |
| B. | डोपामीन | II. | भावात्मक प्रतिक्रिया |
| C. | सेरोटोनीन | III. | प्यास लगना |
| D. | एन्डोर्फिन | IV. | नींद प्रेरक |

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634078789. 1
68634078790. 2
68634078791. 3
68634078792. 4

Question Number : 99 Question Id : 68634019946 Question Type : MCQ Option Shuffling : No 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. | Sucrose | I. | The dimer derived from the hydrolysis of starch and glycogen |
| B. | Lactose | II. | A major circulatory sugar in insects: used for energy |
| C. | Trehalose | III. | A major animal energy source |
| D. | Maltose | IV. | A product of photosynthesis |

Choose the correct answer from the options given below:

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

Options :

68634078793. 1
68634078794. 2
68634078795. 3

68634078796. 4

Question Number : 99 Question Id : 68634019946 Question Type : MCQ Option Shuffling : No 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. | सुक्रोज | I. | स्टार्च एवं ग्लाइकोज से उत्पन्न डाइमर |
| B. | लेक्टोज | II. | कीटकों में मुख्य परिसंचरण शर्करा ऊर्जा के लिये प्रयुक्त |
| C. | ट्री हलोज | III. | मुख्य जंतु ऊर्जा स्रोत |
| D. | माल्टोज | IV. | प्रकाश संश्लेषण का उत्पाद |

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634078793. 1
68634078794. 2
68634078795. 3
68634078796. 4

Question Number : 100 Question Id : 68634019947 Question Type : MCQ Option Shuffling : No 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. | The amino acids with maximum number of codon | I. | Trp |
| B. | The characteristic amino acid in lysozyme active site | II. | Ser |
| C. | The amino acid precursor in heme biosynthesis | III. | Glu |
| D. | The amino acid contributing the most protein absorbance at 280 nm | IV. | Gly |

Choose the correct answer from the options given below:

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

Options :

68634078797. 1
68634078798. 2
68634078799. 3
68634078800. 4

Question Number : 100 Question Id : 68634019947 Question Type : MCQ Option Shuffling : No 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. | एमीनो अम्ल अधिकतम कोडोन संख्या के साथ | I. | Trp |
| B. | लाइसोसोम सक्रिय पटल में विशेष एमिनो अम्ल | II. | Ser |
| C. | हीम जैव संश्लेषण में पूर्व गामा एमीनो अम्ल | III. | Glu |
| D. | एमीनो अम्ल जो 280nm पर अत्यधिक प्रोटीन अवशोषकता करता है | IV. | Gly |

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

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68634078798. 2

68634078799.3

68634078800.4