

# National Testing Agency

**Question Paper Name :** Medical Laboratory Technology Eng 06th June 2023 Shift 1  
**Subject Name :** Medical Laboratory Technology Eng  
**Creation Date :** 2023-06-06 20:17:34  
**Duration :** 120  
**Total Marks :** 400  
**Display Marks:** Yes

## Medical Laboratory Technology

**Group Number :** 1  
**Group Id :** 92090645  
**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 :** 92090689  
**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 :** 920906143  
**Question Shuffling Allowed :** No  
**Is Section Default? :** null

**Question Id : 9209064453 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes  
Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None  
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Question Numbers : (1 to 5)**

Question Label : Comprehension



Read the following passage and answer the next five questions by choosing the correct options

I first began traveling to India in the 1980s, drawn by a fascination with this ancient country that cherishes its history, has a deep reverence for learning, and harbors great ambitions for the future. My interest in India was professional as well as personal. Microsoft was expanding, our need for talent was growing, and as a CEO I was attracted to the vitality and ingenuity I saw in the Indian people. I was really pleased when we opened Microsoft's Indian headquarters in Hyderabad in 1990.

A few years later, several colleagues and I were flying into Bangalore. As we made our final approach, I looked out the window and saw an area of densely packed, tiny, dilapidated homes stretching out for miles. At that moment one of my Indian traveling companions declared proudly, "We have no slums in Bangalore".

Whether out of denial, embarrassment, or innocence, my colleague didn't see the "other" India. I don't mean to single him out. It can be easy to turn our eyes away from the poor. But if we do, we miss seeing a society's full potential.

I knew at the time that I was very fortunate to be collaborating with the most privileged people of India—highly educated citizens of great intelligence, diligence and imagination. But when Melinda and I started our foundation's work in India, we began to meet people from the areas we'd been flying over. They had little education and poor health, and lived in slums or poor rural areas—the kind of people many experts had told us were holding India back. Yet our experiences in India suggest the opposite: that what some call a weakness can instead be a source of great strength.

Our foundation began working in India a decade ago with a number of grants to fight HIV / AIDS at a time many feared India would become a flashpoint for the disease. In the ten years since, that most marginalized groups in Indian society have proved indispensable in the fight against AIDS.

In each case, Melinda and I have seen many examples of India's poor making dramatic contributions for the good of the country. Nowhere have we seen the power of the poor demonstrated more clearly however than in the fight to end polio. Indeed, India's accomplishment in eradicating polio is the most impressive global health success I've ever seen.

Experts predicted that polio would be eliminated in every other country before it was eliminated in India.

But India surprised them all: The country has now been polio-free for more than two years. As I see it, India's success offers a textbook script for winning some of the world's most difficult battles, not only in public health, but in most every area of human welfare, from business to agriculture to education. And the key has been the participation of the humblest, most vulnerable elements of the Indian population.

To be successful, any campaign this big has to include three elements: a clear goal, a comprehensive plan, and precise measurements—so you can see what is working and what is not and improve the plan as you go. India's polio program has benefited from all three. The goal is clear and ambitious: eliminate polio in India. The plan is massive and comprehensive, big enough to inspire the entire nation to action. The fact that India has fully funded its own anti-polio plan is a ringing statement of Indian commitment and self-confidence.

Above all, though, the campaign enlisted the support of the full sweep of Indian society, including health workers, ordinary citizens, and some of the poorest people in the most impoverished regions of the country. This program became their cause. It created a groundswell of enthusiasm and tapped the spirit of India.

The heart of the plan was a simple and inspiring mission: find the children.



The campaign showed India at its best-the relentless spirit, the idealism, the teamwork, the scientific power, the business acumen, the manufacturing skill, the political imagination, and the vast human resources that can deploy more than two million people ad spark the imagination of a billion. Yes, India faces challenges in many areas that are well documented in the media. But in its fight against polio, India has shown the world that when its people set an ambitious goal, mobilize the country, and measure the impact, India's promise is endless.

### Sub questions

**Question Number : 1 Question Id : 9209064454 Question Type : MCQ Option Shuffling : No 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 options suggests that the writer was interested in india personally?

- (A) Needed greater talent as Microsoft was expanding Noticed the.
- (B) Vitality and ingenvity of Indian as a CEO found it to be
- (C) A country that cherishes its history Admired
- (D) Indian reverence for learning

Choose the most appropriate from the options given below :

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

### Options :

92090617601. 1

92090617602. 2

92090617603. 3

92090617604. 4

**Question Number : 2 Question Id : 9209064455 Question Type : MCQ Option Shuffling : No 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 :

To complete the information in the table

List I	List II
(A) India has fully founded its own anti-polio plan.	(I) India surprised them all by beind polio free successfully.
(B) Elements required for the success of a campaign.	(II) Find the children-Eliminate polio.
(C) The heart is mission of the polio plan.	(III) Indian Commitment a self-confidence.
(D) Experts predicted that polio would be eliminated in every country before it was eliminated in India.	(IV) clear goal, compreheusive plan, precise measurements

Choose the most appropriate answer from the options given below:

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

**Options :**

92090617605. 1
92090617606. 2
92090617607. 3
92090617608. 4

**Question Number : 3 Question Id : 9209064456 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

“Whether out of devial, embarrassment, or inocevce, my colleague didit see the “other” India”. What dose other India refer to?

- (1) Highly educated Indian Citizen
- (2) The rich Section of Indian society
- (3) The politically powerful people of India
- (4) The impoverished Indians.

**Options :**

92090617609. 1
92090617610. 2
92090617611. 3
92090617612. 4

**Question Number : 4 Question Id : 9209064457 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

“Yet our experience in India suggests the opposite that what some call a weakness can be a source of great strength”. How was this belief of the writer proved correct during the polio campaign?

- (1) The power of poor was demonstrated clearly in the fight to end polio.
- (2) The marginalized groups in Indian society proved indispensable in the fight against AIDS.
- (3) The programme created a groundswell of enthusiasm and tapped the spirit of India.
- (4) The Campaign showed India at its best.

**Options :**

- 92090617613. 1
- 92090617614. 2
- 92090617615. 3
- 92090617616. 4

**Question Number : 5 Question Id : 9209064458 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

What can be a suitable title for the passage?

- (1) The common goal of India.
- (2) The fight Against AIDS.
- (3) The Amazing success of the polio campaign.
- (4) The Indian poor class.

**Options :**

- 92090617617. 1
- 92090617618. 2
- 92090617619. 3
- 92090617620. 4

**Question Id : 9209064453 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Question Numbers : (1 to 5)**

**Question Label : Comprehension**





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Above all, though, the campaign enlisted the support of the full sweep of Indian society, including health workers, ordinary citizens, and some of the poorest people in the most impoverished regions of the country. This program became their cause. It created a groundswell of enthusiasm and tapped the spirit of India.

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The campaign showed India at its best-the relentless spirit, the idealism, the teamwork, the scientific power, the business acumen, the manufacturing skill, the political imagination, and the vast human resources that can deploy more than two million people ad spark the imagination of a billion. Yes, India faces challenges in many areas that are well documented in the media. But in its fight against polio, India has shown the world that when its people set an ambitious goal, mobilize the country, and measure the impact, India's promise is endless.

### Sub questions

**Question Number : 1 Question Id : 9209064454 Question Type : MCQ Option Shuffling : No 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 options suggests that the writer was interested in india personally?

- (A) Needed greater talent as Microsoft was expanding Noticed the.
- (B) Vitality and ingenvity of Indian as a CEO found it to be
- (C) A country that cherishes its history Admired
- (D) Indian reverence for learning

Choose the most appropriate from the options given below :

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

### Options :

92090617601. 1

92090617602. 2

92090617603. 3

92090617604. 4

**Question Number : 2 Question Id : 9209064455 Question Type : MCQ Option Shuffling : No 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 :

To complete the information in the table

List I	List II
(A) India has fully founded its own anti-polio plan.	(I) India surprised them all by beind polio free successfully.
(B) Elements required for the success of a campaign.	(II) Find the children-Eliminate polio.
(C) The heart is mission of the polio plan.	(III) Indian Commitment a self-confidence.
(D) Experts predicted that polio would be eliminated in every country before it was eliminated in India.	(IV) clear goal, compreheusive plan, precise measurements

Choose the most appropriate answer from the options given below:

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

**Options :**

92090617605. 1
92090617606. 2
92090617607. 3
92090617608. 4

**Question Number : 3 Question Id : 9209064456 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

“Whether out of devial, embarrassment, or inocevce, my colleague didit see the “other” India”. What dose other India refer to?

- (1) Highly educated Indian Citizen
- (2) The rich Section of Indian society
- (3) The politically powerful people of India
- (4) The impoverished Indians.

**Options :**

92090617609. 1
92090617610. 2
92090617611. 3
92090617612. 4

**Question Number : 4 Question Id : 9209064457 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

“Yet our experience in India suggests the opposite that what some call a weakness can be a source of great strength”. How was this belief of the writer proved correct during the polio campaign?

- (1) The power of poor was demonstrated clearly in the fight to end polio.
- (2) The marginalized groups in Indian society proved indispensable in the fight against AIDS.
- (3) The programme created a groundswell of enthusiasm and tapped the spirit of India.
- (4) The Campaign showed India at its best.

**Options :**

- 92090617613. 1
- 92090617614. 2
- 92090617615. 3
- 92090617616. 4

**Question Number : 5 Question Id : 9209064458 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

What can be a suitable title for the passage?

- (1) The common goal of India.
- (2) The fight Against AIDS.
- (3) The Amazing success of the polio campaign.
- (4) The Indian poor class.

**Options :**

- 92090617617. 1
- 92090617618. 2
- 92090617619. 3
- 92090617620. 4

<b>Sub-Section Number :</b>	2
<b>Sub-Section Id :</b>	920906144
<b>Question Shuffling Allowed :</b>	Yes
<b>Is Section Default? :</b>	null

**Question Number : 6 Question Id : 9209064459 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Read the following Sentence carefully and identify the option that has an error.

- (1) She persisted
- (2) To go to the market alone
- (3) Inspite of my advice
- (4) That it would not be safe.

**Options :**

- 92090617621. 1
- 92090617622. 2
- 92090617623. 3
- 92090617624. 4

**Question Number : 6 Question Id : 9209064459 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Read the following Sentence carefully and identify the option that has an error.

- (1) She persisted
- (2) To go to the market alone
- (3) Inspite of my advice
- (4) That it would not be safe.

**Options :**

- 92090617621. 1
- 92090617622. 2
- 92090617623. 3
- 92090617624. 4

**Question Number : 7 Question Id : 9209064460 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

I am really exhausted. I had no rest for the last two days. Replace the underlined incorrect verb with the correct one from the options given below:

- |              |               |
|--------------|---------------|
| (1) Had had  | (2) Never had |
| (3) Have had | (4) Did       |

**Options :**

- 92090617625. 1
- 92090617626. 2
- 92090617627. 3
- 92090617628. 4

**Question Number : 7 Question Id : 9209064460 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

I am really exhausted. I had no rest for the last two days. Replace the underlined incorrect verb with the correct one from the options given below:

- |              |               |
|--------------|---------------|
| (1) Had had  | (2) Never had |
| (3) Have had | (4) Did       |

**Options :**

- 92090617625. 1
- 92090617626. 2
- 92090617627. 3
- 92090617628. 4

**Question Number : 8 Question Id : 9209064461 Question Type : MCQ Option Shuffling : No 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 adverbial error in the following sentence by choosing the correct option:

The director of the company will speak shortly on the vision of the project.

- |            |             |
|------------|-------------|
| (1) mildly | (2) briefly |
| (3) hardly | (4) kindly  |

**Options :**

- 92090617629. 1
- 92090617630. 2
- 92090617631. 3
- 92090617632. 4

**Question Number : 8 Question Id : 9209064461 Question Type : MCQ Option Shuffling : No 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 adverbial error in the following sentence by choosing the correct option:

The director of the company will speak shortly on the vision of the project.

- |            |             |
|------------|-------------|
| (1) mildly | (2) briefly |
| (3) hardly | (4) kindly  |

**Options :**

- 92090617629. 1
- 92090617630. 2
- 92090617631. 3
- 92090617632. 4

**Question Number : 9 Question Id : 9209064462 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Out of the option givs below, choose the word that is incorrectly spelt:

- |                  |                |
|------------------|----------------|
| (1) Franchise    | (2) Abstinence |
| (3) Accomodation | (4) Psychology |

**Options :**

- 92090617633. 1
- 92090617634. 2
- 92090617635. 3
- 92090617636. 4

**Question Number : 9 Question Id : 9209064462 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Out of the option givs below, choose the word that is incorrectly spelt:

- |                  |                |
|------------------|----------------|
| (1) Franchise    | (2) Abstinence |
| (3) Accomodation | (4) Psychology |

**Options :**

- 92090617633. 1
- 92090617634. 2
- 92090617635. 3
- 92090617636. 4

**Question Number : 10 Question Id : 9209064463 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

His **AFFLUENCE** was evident in the way he dressed, the house he lived in and the car he drove choose the word that is oppsite is meaning to the word in bold.

- |                |                 |
|----------------|-----------------|
| (1) Stagnation | (2) Destitution |
| (3) Opulence   | (4) Neglect     |

**Options :**

92090617637. 1

92090617638. 2

92090617639. 3

92090617640. 4

**Question Number : 10 Question Id : 9209064463 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

His **AFFLUENCE** was evident in the way he dressed, the house he lived in and the car he drove choose the word that is oppsite is meaning to the word in bold.

- |                |                 |
|----------------|-----------------|
| (1) Stagnation | (2) Destitution |
| (3) Opulence   | (4) Neglect     |

**Options :**

92090617637. 1

92090617638. 2

92090617639. 3

92090617640. 4

**Question Number : 11 Question Id : 9209064464 Question Type : MCQ Option Shuffling : No 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 solid metallic sphere of radius 6cm is melted and recasted into small solid balls of radius 0.6cm. find the number of balk so formrd.

- |          |          |
|----------|----------|
| (1) 5000 | (2) 1000 |
| (3) 2000 | (4) 2400 |

**Options :**

92090617641. 1

92090617642. 2

92090617643. 3

92090617644. 4

**Question Number : 11 Question Id : 9209064464 Question Type : MCQ Option Shuffling : No 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 solid metallic sphere of radius 6cm is melted and recasted into small solid balls of radius 0.6cm. find the number of balk so formrd.

- (1) 5000 (2) 1000  
(3) 2000 (4) 2400

**Options :**

92090617641. 1  
92090617642. 2  
92090617643. 3  
92090617644. 4

**Question Number : 12 Question Id : 9209064465 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

If  $\sin\theta = \frac{5}{13}$ , then find the value of  $\frac{1+\tan\theta}{\sec\theta}$

- (1)  $\frac{15}{12}$  (2)  $\frac{17}{13}$   
(3)  $\frac{12}{13}$  (4)  $\frac{2}{5}$

**Options :**

92090617645. 1  
92090617646. 2  
92090617647. 3  
92090617648. 4

**Question Number : 12 Question Id : 9209064465 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

If  $\sin\theta = \frac{5}{13}$ , then find the value of  $\frac{1+\tan\theta}{\sec\theta}$

(1)  $\frac{15}{12}$

(2)  $\frac{17}{13}$

(3)  $\frac{12}{13}$

(4)  $\frac{2}{5}$

**Options :**

92090617645. 1

92090617646. 2

92090617647. 3

92090617648. 4

**Question Number : 13 Question Id : 9209064466 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

In how much time will a sum of ₹ 3,300 become ₹ 3,399 at 6% per annum, interest compounded half yearly?

(1) 6 mnths

(2) 1 year

(3) 1 year 6 months

(4) 2 years

**Options :**

92090617649. 1

92090617650. 2

92090617651. 3

92090617652. 4

**Question Number : 13 Question Id : 9209064466 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

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(1) 6 mnths

(2) 1 year

(3) 1 year 6 months

(4) 2 years

**Options :**

92090617649. 1

92090617650. 2

92090617651. 3

92090617652. 4

**Question Number : 14 Question Id : 9209064467 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

By selling 100 pens, a shopkeeper gains the selling price of 40 pens. Find his gain percent (correct to 2 decimal places) :

(1) 64.47%

(2) 66.67%

(3) 68.80%

(4) 55.59%

**Options :**

92090617653. 1

92090617654. 2

92090617655. 3

92090617656. 4

**Question Number : 14 Question Id : 9209064467 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

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(2) 66.67%

(3) 68.80%

(4) 55.59%

**Options :**

92090617653. 1

92090617654. 2

92090617655. 3

92090617656. 4

**Question Number : 15 Question Id : 9209064468 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**



Three men and 2 boys can do a piece of work in 10 days, which 2 men and 3 boys can do the same work in 8 days. In how many days can 2 men and 1 boy do the work?

- (1)  $11 \frac{1}{18}$  (2)  $18 \frac{2}{11}$   
(3)  $9 \frac{1}{11}$  (4)  $11 \frac{9}{11}$

**Options :**

92090617657. 1  
92090617658. 2  
92090617659. 3  
92090617660. 4

**Question Number : 15 Question Id : 9209064468 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Three men and 2 boys can do a piece of work in 10 days, which 2 men and 3 boys can do the same work in 8 days. In how many days can 2 men and 1 boy do the work?

- (1)  $11 \frac{1}{18}$  (2)  $18 \frac{2}{11}$   
(3)  $9 \frac{1}{11}$  (4)  $11 \frac{9}{11}$

**Options :**

92090617657. 1  
92090617658. 2  
92090617659. 3  
92090617660. 4

**Question Number : 16 Question Id : 9209064469 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Find the number having the same relationship with number given to right 3:81:: 4:?

- (1) 64 (2) 32  
(3) 256 (4) 148

**Options :**

92090617661. 1  
92090617662. 2  
92090617663. 3  
92090617664. 4

**Question Number : 16 Question Id : 9209064469 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Find the number having the same relationship with number given to right 3:81:: 4:?

- (1) 64 (2) 32  
(3) 256 (4) 148

**Options :**

92090617661. 1  
92090617662. 2  
92090617663. 3  
92090617664. 4

**Question Number : 17 Question Id : 9209064470 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Consider the two conclusions together and decide which of them logically follows beyond a reasonable doubt from the information given in the statement.

Statement: Irregularity is a cause for failure in UPSC exam. Some regular students fail in the examinations

- Conclusions: (I) All successful students are not regular.  
(II) All failed students are regular.

- (1) only conclusion (I) follows  
(2) only conclusion (II) follows  
(3) either (II) follows  
(4) neither (I) follows

**Options :**

92090617665. 1  
92090617666. 2  
92090617667. 3  
92090617668. 4

**Question Number : 17 Question Id : 9209064470 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Consider the two conclusions together and decide which of them logically follows beyond a reasonable doubt from the information given in the statement.

Statement: Irregularity is a cause for failure in UPSC exam. Some regular students fail in the examinations

Conclusions: (I) All successful students are not regular.  
(II) All failed students are regular.

- (1) only conclusion (I) follows
- (2) only conclusion (II) follows
- (3) either (II) follows
- (4) neither (I) follows

**Options :**

- 92090617665. 1
- 92090617666. 2
- 92090617667. 3
- 92090617668. 4

**Question Number : 18 Question Id : 9209064471 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Vidushi remember that her husband's birthday is after 19<sup>th</sup> but before 22<sup>nd</sup> December, where as her mother-in-law remembers that the birthday of her son is after 20<sup>th</sup> but before 24<sup>th</sup> December. It both are right. Which day Vidushi husband birthday?

- (1) 23<sup>rd</sup> December
- (2) 22<sup>nd</sup> December
- (3) 21<sup>st</sup> December
- (4) 20<sup>th</sup> December

**Options :**

- 92090617669. 1
- 92090617670. 2
- 92090617671. 3
- 92090617672. 4

**Question Number : 18 Question Id : 9209064471 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Vidushi remember that her husband's birthday is after 19<sup>th</sup> but before 22<sup>nd</sup> December, where as her mother-in-law remembers that the birthday of her son is after 20<sup>th</sup> but before 24<sup>th</sup> December. It both are right. Which day Vidushi husband birthday?

- (1) 23<sup>rd</sup> December
- (2) 22<sup>nd</sup> December
- (3) 21<sup>st</sup> December
- (4) 20<sup>th</sup> December

**Options :**

- 92090617669. 1
- 92090617670. 2
- 92090617671. 3
- 92090617672. 4

**Question Number : 19 Question Id : 9209064472 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

If SPRING is coded as RTOQQSOMOFH, then the code for MEDIUM will be:

- (1) LNTDEOALM
- (2) LNICDOALN
- (3) LNICDOALN
- (4) LINCEOALN

**Options :**

- 92090617673. 1
- 92090617674. 2
- 92090617675. 3
- 92090617676. 4

**Question Number : 19 Question Id : 9209064472 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

If SPRING is coded as RTOQQSOMOFH, then the code for MEDIUM will be:

- (1) LNTDEOALM
- (2) LNICDOALN
- (3) LNICDOALN
- (4) LINCEOALN

**Options :**

- 92090617673. 1
- 92090617674. 2
- 92090617675. 3
- 92090617676. 4

**Question Number : 20 Question Id : 9209064473 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Pointing out to a lady, a girl said, "she is the daughter-in-law of the grand mother of my father only son". How is the lady related to the girl?

- |            |                   |
|------------|-------------------|
| (1) Sister | (2) Sister-in-law |
| (3) Mother | (4) Cousin        |

**Options :**

92090617677. 1

92090617678. 2

92090617679. 3

92090617680. 4

**Question Number : 20 Question Id : 9209064473 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Pointing out to a lady, a girl said, "she is the daughter-in-law of the grand mother of my father only son". How is the lady related to the girl?

- |            |                   |
|------------|-------------------|
| (1) Sister | (2) Sister-in-law |
| (3) Mother | (4) Cousin        |

**Options :**

92090617677. 1

92090617678. 2

92090617679. 3

92090617680. 4

**Question Number : 21 Question Id : 9209064474 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**



Match List I with List II :

List I (Name of Agencies)	List II (Headquarter)
(A) International Labour Organisation	(I) Vienna
(B) International Atomic Energy Agency	(II) New York
(C) United Nations International children's Emergencey Fund	(III) Singapore
(D) Asia Pacific Economic Cooperation	(IV) Geneva

Choose the correct answer from the options given below:

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

**Options :**

- 92090617681. 1
- 92090617682. 2
- 92090617683. 3
- 92090617684. 4

**Question Number : 21 Question Id : 9209064474 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Match List I with List II :

List I (Name of Agencies)	List II (Headquarter)
(A) International Labour Organisation	(I) Vienna
(B) International Atomic Energy Agency	(II) New York
(C) United Nations International children's Emergencey Fund	(III) Singapore
(D) Asia Pacific Economic Cooperation	(IV) Geneva

Choose the correct answer from the options given below:

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

**Options :**

92090617681. 1  
92090617682. 2  
92090617683. 3  
92090617684. 4

**Question Number : 22 Question Id : 9209064475 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Who was the first women Director General of CSIR?

- |                        |                            |
|------------------------|----------------------------|
| (1) Natalie Zorothova  | (2) Nallathamby Kalaiselvi |
| (3) Aruna Chandrapanth | (4) Visakha Nagarkoti      |

**Options :**

92090617685. 1  
92090617686. 2  
92090617687. 3  
92090617688. 4

**Question Number : 22 Question Id : 9209064475 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Who was the first women Director General of CSIR?

- (1) Natalie Zorothova (2) Nallathamby Kalaiselvi  
(3) Aruna Chandrapanth (4) Visakha Nagarkoti

**Options :**

92090617685. 1  
92090617686. 2  
92090617687. 3  
92090617688. 4

**Question Number : 23 Question Id : 9209064476 Question Type : MCQ Option Shuffling : No 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 Attorreg General is the highest law officer in the country appointed by the president under Article 76 of the constitution.

Statement II : The attorreg General can participate in the proceedings of the parliament with the Right to vetas

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

- (1) Both Statement I and Statement II are correct  
(2) Both Statement I and Statement II are icorrect  
(3) Statement I is correct but Statement II is icorrect  
(4) Statement I is icorrect but Statement II is correct

**Options :**

92090617689. 1  
92090617690. 2  
92090617691. 3  
92090617692. 4

**Question Number : 23 Question Id : 9209064476 Question Type : MCQ Option Shuffling : No 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 Attorreg General is the highest law officer in the country appointed by the president under Article 76 of the constitution.

Statement II : The attorreg General can participate in the proceedings of the parliament with the Right to vetas

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

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are icorrect
- (3) Statement I is correct but Statement II is icorrect
- (4) Statement I is icorrect but Statement II is correct

**Options :**

92090617689. 1

92090617690. 2

92090617691. 3

92090617692. 4

**Question Number : 24 Question Id : 9209064477 Question Type : MCQ Option Shuffling : No 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 : National Rural Health Mission (NRHM) was lunched on 22<sup>nd</sup> April, 2008.

Statement II : Objective of NRHM is to reduce Infant mortality Rate and maternal mortality Rate

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

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are incorrect
- (3) Statement I is correct but Statement II is incorrect
- (4) Statement I is incorrect but Statement II is correct

**Options :**

- 92090617693. 1
- 92090617694. 2
- 92090617695. 3
- 92090617696. 4

**Question Number : 24 Question Id : 9209064477 Question Type : MCQ Option Shuffling : No 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 : National Rural Health Mission (NRHM) was lunched on 22<sup>nd</sup> April, 2008.

Statement II : Objective of NRHM is to reduce Infant mortality Rate and maternal mortality Rate

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

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are incorrect
- (3) Statement I is correct but Statement II is incorrect
- (4) Statement I is incorrect but Statement II is correct

**Options :**

- 92090617693. 1
- 92090617694. 2
- 92090617695. 3
- 92090617696. 4

**Question Number : 25 Question Id : 9209064478 Question Type : MCQ Option Shuffling : No 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 country's tennis team has won the DAVIS CUP 2022 tittle?

- |               |             |
|---------------|-------------|
| (1) Australia | (2) Croatia |
| (3) Spain     | (4) Cannada |

**Options :**

- 92090617697. 1
- 92090617698. 2
- 92090617699. 3
- 92090617700. 4



**Question Number : 25 Question Id : 9209064478 Question Type : MCQ Option Shuffling : No 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 country's tennis team has won the DAVIS CUP 2022 title?

- (1) Australia (2) Croatia  
(3) Spain (4) Cannada

**Options :**

92090617697. 1  
92090617698. 2  
92090617699. 3  
92090617700. 4

## **Part B: Medical Laboratory Technology**

<b>Section Id :</b>	92090690
<b>Section Number :</b>	2
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	75
<b>Number of Questions to be attempted :</b>	75
<b>Section Marks :</b>	300
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	920906145
<b>Question Shuffling Allowed :</b>	Yes
<b>Is Section Default? :</b>	null

**Question Number : 26 Question Id : 9209064479 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Through anaerobic condition, pyruvate is converted to \_\_\_\_\_

- (1) Glucose (2) Butanoic acid  
(3) Palmitic acid (4) Lactate

**Options :**

92090617701. 1  
92090617702. 2  
92090617703. 3  
92090617704. 4

**Question Number : 26 Question Id : 9209064479 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

अवायवीय अवस्था के द्वारा, पायरूवेट \_\_\_\_\_ में बदला जाता है।

- |              |                |
|--------------|----------------|
| (1) ग्लूकोज़ | (2) ब्यूटानोइक |
| (3) पालमिटिक | (4) लेक्टेट    |

**Options :**

92090617701. 1  
92090617702. 2  
92090617703. 3  
92090617704. 4

**Question Number : 27 Question Id : 9209064480 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Prions are \_\_\_\_\_

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| (1) Vitamin molecular substitutes | (2) Carbohydrates                 |
| (3) Infection proteins            | (4) Members of Enterobacteriaceae |

**Options :**

92090617705. 1  
92090617706. 2  
92090617707. 3  
92090617708. 4

**Question Number : 27 Question Id : 9209064480 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

प्रायन हैं \_\_\_\_\_।

- |  |                                 |
|--|---------------------------------|
| (1) विटामिन आण्विक क्रियाधार (सबस्ट्रेट) | (2) कार्बोहाइड्रेट              |
| (3) संक्रामक प्रोटीन                     | (4) एन्टेरोबैक्टेरीएसी के सदस्य |

**Options :**

- 92090617705. 1
- 92090617706. 2
- 92090617707. 3
- 92090617708. 4

**Question Number : 28 Question Id : 9209064481 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Pernicious anaemia is caused due to \_\_\_\_\_

- (1) Lack of absorption of vitamin B12 by the body
- (2) Inadequate carbohydrate intake
- (3) Low blood pressure
- (4) Increased protein intake

**Options :**

- 92090617709. 1
- 92090617710. 2
- 92090617711. 3
- 92090617712. 4

**Question Number : 28 Question Id : 9209064481 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

प्रणाली रक्ताल्पता (पर्नीशियस एनीमिया) \_\_\_\_\_ के कारण होता है।

- (1) शरीर द्वारा विटामिन B-12 के अवशोषण में कमी
- (2) अपर्याप्त कार्बोहाइड्रेट
- (3) निम्न रक्त चाप
- (4) बढ़ा हुआ प्रोटीन

**Options :**

- 92090617709. 1
- 92090617710. 2
- 92090617711. 3

92090617712. 4

**Question Number : 29 Question Id : 9209064482 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Pneumoconiosis is an \_\_\_\_\_

- |                                 |   |
|---------------------------------|---|
| (1) Infection of the liver      | (2) autoimmune disorder of spleen       |
| (3) Infection of the human skin | (4) Occupational lung disease in humans |

**Options :**

- 92090617713. 1
- 92090617714. 2
- 92090617715. 3
- 92090617716. 4

**Question Number : 29 Question Id : 9209064482 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

न्युमोकोनिओसिस एक है

- |                           |                                      |
|---------------------------|--------------------------------------|
| (1) यकृत का संक्रमण       | (2) प्लीहा का स्वप्रतिरक्षी विकार    |
| (3) मानव त्वचा का संक्रमण | (4) मानवों में व्यावसायिक फुफ्फे रोग |

**Options :**

- 92090617713. 1
- 92090617714. 2
- 92090617715. 3
- 92090617716. 4

**Question Number : 30 Question Id : 9209064483 Question Type : MCQ Option Shuffling : No 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 primary stain used in Gram staining is \_\_\_\_\_

- |             |                    |
|-------------|--------------------|
| (1) Iodine  | (2) Crystal Violet |
| (3) Alcohol | (4) Carbol fuchsin |

**Options :**

- 92090617717. 1
- 92090617718. 2
- 92090617719. 3
- 92090617720. 4

**Question Number : 30 Question Id : 9209064483 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

ग्राम अभिरंजन में प्राथमिक रंजन है

- |              |                     |
|--------------|---------------------|
| (1) आयोडीन   | (2) क्रिस्टल वॉयलेट |
| (3) एल्कोहोल | (4) कार्बोल फुचसिन  |

**Options :**

- 92090617717. 1
- 92090617718. 2
- 92090617719. 3
- 92090617720. 4

**Question Number : 31 Question Id : 9209064484 Question Type : MCQ Option Shuffling : No 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 difference between sterilization and disinfection is \_\_\_\_\_

- (1) Sterilization does not eliminate spores, disinfection eliminates all spores
- (2) Sterilization includes cooling, disinfection includes heating
- (3) Sterilization is for rubber, disinfection is for living surface
- (4) Sterilization involves elimination of all spores, disinfection does not guarantee destruction of all spores

**Options :**

- 92090617721. 1
- 92090617722. 2
- 92090617723. 3
- 92090617724. 4

**Question Number : 31 Question Id : 9209064484 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**



निरजर्मीकरण तथा रोगाणुनाशन में अन्तर है \_\_\_\_\_।

- (1) निर्जर्मीकरण बीजाणुओं (स्पोर) को नहीं हटाता है, रोगाणु नाशन सभी बीजाणुओं को हटाता है
- (2) निर्जर्मीकरण में तापशील सम्मिलित है, रोगाणुनाशन में तापन सम्मिलित है
- (3) निर्जर्मीकरण रबड़ के लिए होता है, रोगाणु नाशन जीवित सतहों के लिए होता है
- (4) निर्जर्मीकरण में सभी बीजाणुओं की नाश होती है, रोगाणुनाशन में सभी बीजाणुओं के-गश की गारंटी नहीं होती।

**Options :**

92090617721. 1
92090617722. 2
92090617723. 3
92090617724. 4

**Question Number : 32 Question Id : 9209064485 Question Type : MCQ Option Shuffling : No 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 structure that helps the bacteria move is \_\_\_\_\_

- |               |                   |
|---------------|-------------------|
| (1) Nucleoid  | (2) Ribosome      |
| (3) Flagellum | (4) Peptidoglycan |

**Options :**

92090617725. 1
92090617726. 2
92090617727. 3
92090617728. 4

**Question Number : 32 Question Id : 9209064485 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

संरचना जो बैक्टीरिया (जीवाणु) को हिलने में मददगार है

- |               |                      |
|---------------|----------------------|
| (1) केन्द्राभ | (2) राइबोसोम         |
| (3) फ्लेजिलम  | (4) पेप्टिडोग्लाइकेन |

**Options :**

92090617725. 1
92090617726. 2
92090617727. 3
92090617728. 4

**Question Number : 33 Question Id : 9209064486 Question Type : MCQ Option Shuffling : No 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 reagent used in immuno fluorescence, as a fluorescent dye is \_\_\_\_\_

- |                             |                                |
|-----------------------------|--------------------------------|
| (1) DMSO                    | (2) Alcohol                    |
| (3) Sodium dodecyl sulphate | (4) Fluorescein Isothiocyanate |

**Options :**

- 92090617729. 1
- 92090617730. 2
- 92090617731. 3
- 92090617732. 4

**Question Number : 33 Question Id : 9209064486 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

प्रतिरक्षा प्रतिदीप्ति में प्रयुक्त अभिकर्मक, एक प्रतिदीप्ति रंजक के रूप में है वो \_\_\_\_\_ है।

- |                            |                              |
|----------------------------|------------------------------|
| (1) DMSO                   | (2) एल्कोहोल                 |
| (3) सोडियम डूडेसाइल सल्फेट | (4) फ्लोरीसीन आइसोथायोसायनेट |

**Options :**

- 92090617729. 1
- 92090617730. 2
- 92090617731. 3
- 92090617732. 4

**Question Number : 34 Question Id : 9209064487 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Peptidoglycan contains \_\_\_\_\_

- (1) N-acetylglucosamine and N-acetylmuramic acid
- (2) N-acetylribitol phosphate only
- (3) glycine only
- (4) Leucine only

**Options :**

92090617733. 1  
92090617734. 2  
92090617735. 3  
92090617736. 4

**Question Number : 34 Question Id : 9209064487 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

पेट्रिडोग्लायकेन में \_\_\_\_\_ होता है।

- (1) N-एसिटाइल ग्लूकोसएमीन तथा N-एसिटाइल म्यूरैमिक अम्ल
- (2) N-एसिटइल रिबिटोल फास्फेट केवल
- (3) ग्लाइसीन केवल
- (4) ल्यूसीन केवल

**Options :**

92090617733. 1  
92090617734. 2  
92090617735. 3  
92090617736. 4

**Question Number : 35 Question Id : 9209064488 Question Type : MCQ Option Shuffling : No 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 glycolysis, enolase causes the conversion of \_\_\_\_\_

- (1) 2 phosphoglycerate to phosphoenol pyruvate
- (2) Glycereldehyde 3 phosphate to 1.3 bisphosphoglycerate
- (3) Glucose-6-phosphate to Fructose-6-phosphate
- (4) 1.3 bisphosphoglycerate to 3 phosphoglycerate

**Options :**

92090617737. 1  
92090617738. 2  
92090617739. 3  
92090617740. 4

**Question Number : 35 Question Id : 9209064488 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

ग्लायकोलिसिस में, इनोलेस ————— बदलने का कारक है।

- (1) फास्फोग्लिसरेट से फास्फोइनॉल पायरूवेट में
- (2) ग्लिस्रेलडीहाइड 3 फॉस्फेट से 1-3 बिसफास्फोग्लिसरेट में
- (3) ग्लूकोस-6-फास्फेट से फ्रक्टोस-6-फास्फेट में
- (4) 1,3 बिसफोस्फोग्लिसरेट से 3 फोस्फोग्लिसरेट में

**Options :**

92090617737. 1  
92090617738. 2  
92090617739. 3  
92090617740. 4

**Question Number : 36 Question Id : 9209064489 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Gamma hemolytic activity means \_\_\_\_\_

- |                            |                              |
|----------------------------|------------------------------|
| (1) Complete lysis of RBCs | (2) Incomplete lysis of RBCs |
| (3) No lysis of RBCs       | (4) Destruction of DNA       |

**Options :**

92090617741. 1  
92090617742. 2  
92090617743. 3  
92090617744. 4

**Question Number : 36 Question Id : 9209064489 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

गामा रूधिरलयन गतिविधि का अर्थ है -

- |                       |                        |
|-----------------------|------------------------|
| (1) RBCs का पूर्ण लयन | (2) RBCs का अपूर्ण लयन |
| (3) RBC का लयन नहीं   | (4) DNA का नष्ट होना   |

**Options :**

92090617741. 1  
92090617742. 2  
92090617743. 3  
92090617744. 4

**Question Number : 37 Question Id : 9209064490 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Taq polymerase is an enzyme that has been associated with \_\_\_\_\_

- |                               |                           |
|-------------------------------|---------------------------|
| (1) Polymerase Chain Reaction | (2) Reverse transcription |
| (3) Polymerase production     | (4) Transcription         |

**Options :**

- 92090617745. 1
- 92090617746. 2
- 92090617747. 3
- 92090617748. 4

**Question Number : 37 Question Id : 9209064490 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

टेक पॉलिमरेज एक एन्जाइम है जो कि \_\_\_\_\_ से सम्बन्धित है।

- |                                 |  |
|---------------------------------|--|
| (1) पॉलिमरेज श्रृंखला अभिक्रिया | (2) विलोम अनुलेखन (रिवर्स ट्रांस क्रिप्शन) |
| (3) पॉलिमरेज उत्पादन            | (4) अनुलेखन                                |

**Options :**

- 92090617745. 1
- 92090617746. 2
- 92090617747. 3
- 92090617748. 4

**Question Number : 38 Question Id : 9209064491 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Straphylococcus is a \_\_\_\_\_

- (1) Gram positive bacterium, round in shape
- (2) Gram negative bacterium, rod shaped
- (3) Gram negative and catalase negative
- (4) Neither Gram positive, nor Gram negative

**Options :**

- 92090617749. 1
- 92090617750. 2



92090617751. 3

92090617752. 4

**Question Number : 38 Question Id : 9209064491 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

स्टैफाइलोकोकस एक \_\_\_\_\_ है।

- |                                       |   |
|---------------------------------------|---|
| (1) ग्राम धनात्मक जीवाणु, गोलाकार     | (2) ग्राम ऋणात्मक जीवाणु, छड़ाकार           |
| (3) ग्राम ऋणात्मक तथा केटालेस ऋणात्मक | (4) ना ग्राम धनात्मक और ना ही ग्राम ऋणात्मक |

**Options :**

92090617749. 1

92090617750. 2

92090617751. 3

92090617752. 4

**Question Number : 39 Question Id : 9209064492 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Polymerase Chain Reaction involves \_\_\_\_\_

- |                          |                          |
|--------------------------|--------------------------|
| (1) Breakdown of RNA     | (2) Amplification of DNA |
| (3) Synthesis of protein | (4) Synthesis of lipids  |

**Options :**

92090617753. 1

92090617754. 2

92090617755. 3

92090617756. 4

**Question Number : 39 Question Id : 9209064492 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

पॉलिमरेज श्रृंखला अभिक्रिया में \_\_\_\_\_ सम्मिलित है।

- |                         |                       |
|-------------------------|-----------------------|
| (1) RNA का भंजन         | (2) DNA का आवर्धन     |
| (3) प्रोटीन का संश्लेषण | (4) लिपिड का संश्लेषण |

**Options :**

92090617753. 1  
92090617754. 2  
92090617755. 3  
92090617756. 4

**Question Number : 40 Question Id : 9209064493 Question Type : MCQ Option Shuffling : No 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 polycythemia, the percentage of red blood cells is \_\_\_\_\_

- (1) Abnormally high
- (2) Abnormally low
- (3) Abnormally high but no increase in seen in viscosity of blood
- (4) Remains unchanged

**Options :**

92090617757. 1  
92090617758. 2  
92090617759. 3  
92090617760. 4

**Question Number : 40 Question Id : 9209064493 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

बहुलोहिताणुरक्तता में, लाल रक्त कोशिकाओं का प्रतिशत होता है -

- (1) असामान्य रूप से उच्च
- (2) असामान्य रूप से कम
- (3) असामान्य रूप से उच्च परन्तु श्यानता में कोई वृद्धि नहीं जाती है
- (4) अपरिवर्तित रहता है

**Options :**

92090617757. 1  
92090617758. 2  
92090617759. 3  
92090617760. 4

**Question Number : 41 Question Id : 9209064494 Question Type : MCQ Option Shuffling : No 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 term 'lesion' refers to \_\_\_\_\_

- |                             |                      |
|-----------------------------|----------------------|
| (1) Over expression of gene | (2) Lack of vitamins |
| (3) A wound                 | (4) Dehydration      |

**Options :**

92090617761. 1  
92090617762. 2  
92090617763. 3  
92090617764. 4

**Question Number : 41 Question Id : 9209064494 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

शब्द 'लेसन' का सम्बन्ध है -

- |                            |                      |
|----------------------------|----------------------|
| (1) जीन्स का अतिअभिव्यक्ति | (2) विटामिन्स की कमी |
| (3) एक घाव                 | (4) निर्जलीकरण       |

**Options :**

92090617761. 1  
92090617762. 2  
92090617763. 3  
92090617764. 4

**Question Number : 42 Question Id : 9209064495 Question Type : MCQ Option Shuffling : No 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 percentage of WBCs that are Neutrophils are in the range of \_\_\_\_\_

- |                |                |
|----------------|----------------|
| (1) 40% to 60% | (2) 20% to 30% |
| (3) 10% to 20% | (4) 60% to 70% |

**Options :**

92090617765. 1  
92090617766. 2  
92090617767. 3  
92090617768. 4

**Question Number : 42 Question Id : 9209064495 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

(WBC) श्वेत रूधिर कणिकाओं में न्यूट्रोफिल्स का प्रतिशत \_\_\_\_\_ श्रेणी में होता है।

- |                |                |
|----------------|----------------|
| (1) 40% से 60% | (2) 20% से 30% |
| (3) 10% से 20% | (4) 60% से 70% |

**Options :**

- 92090617765. 1
- 92090617766. 2
- 92090617767. 3
- 92090617768. 4

**Question Number : 43 Question Id : 9209064496 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Nickel-NTI is used for protein purification. NTI stands for \_\_\_\_\_

- |                            |                            |
|----------------------------|----------------------------|
| (1) Nitrilo Triacetic Acid | (2) Nitrogenous Tri Iodine |
| (3) Nickel Tri Iodine      | (4) Nitrogen Tetra Iodine  |

**Options :**

- 92090617769. 1
- 92090617770. 2
- 92090617771. 3
- 92090617772. 4

**Question Number : 43 Question Id : 9209064496 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

निकल-NTI प्रोटीन शुद्धिकरण के लिए प्रयोग किया जाता है NTI का अर्थ है \_\_\_\_\_।

- |                                |                             |
|--------------------------------|-----------------------------|
| (1) नाइट्रिलो ट्राईएसीटिक अम्ल | (2) नाइट्रोजीनस ट्राईआयोडीन |
| (3) निकल ट्राईआयोडीन           | (4) नाइट्रोजन टेट्राआयोडीन  |

**Options :**

- 92090617769. 1
- 92090617770. 2
- 92090617771. 3
- 92090617772. 4

**Question Number : 44 Question Id : 9209064497 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Nematodes are \_\_\_\_\_

- |                |                 |
|----------------|-----------------|
| (1) Flatworms  | (2) Round worms |
| (3) Tape worms | (4) Viruses     |

**Options :**

- 92090617773. 1
- 92090617774. 2
- 92090617775. 3
- 92090617776. 4

**Question Number : 44 Question Id : 9209064497 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

निमाटोड हैं \_\_\_\_\_

- |               |              |
|---------------|--------------|
| (1) चपटा कृमि | (2) गोल कृमि |
| (3) फीता कृमि | (4) वायरस    |

**Options :**

- 92090617773. 1
- 92090617774. 2
- 92090617775. 3
- 92090617776. 4

**Question Number : 45 Question Id : 9209064498 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

An antibody in human consists of \_\_\_\_\_

- |  |                                   |
|--|-----------------------------------|
| (1) Lipid Chain and protein Chain      | (2) Non-proteinaceous chain       |
| (3) Chain made up of glucose molecules | (4) Heavy chains and light chains |

**Options :**

- 92090617777. 1
- 92090617778. 2
- 92090617779. 3



92090617780. 4

**Question Number : 45 Question Id : 9209064498 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

मानव में एक प्रतिरक्षी (एंटी बॉडी) \_\_\_\_\_ की बनी होती है।

- (1) लिपिड श्रृंखला तथा प्रोटीन श्रृंखला (2) अप्रोटीन श्रृंखला  
(3) श्रृंखला ग्लूकोज़ अणुओं की बनी होती है (4) भारी श्रृंखला तथा हल्की श्रृंखला

**Options :**

92090617777. 1  
92090617778. 2  
92090617779. 3  
92090617780. 4

**Question Number : 46 Question Id : 9209064499 Question Type : MCQ Option Shuffling : No 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 Freezing Microtome, which gas is used :

- (1) Hydrogen (2) Carbondioxide  
(3) Oxygen (4) Lithium

**Options :**

92090617781. 1  
92090617782. 2  
92090617783. 3  
92090617784. 4

**Question Number : 46 Question Id : 9209064499 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

फ्रीजिंग माइक्रोटोम में कौन सी गैस प्रयोग की जाती है?

- (1) हाइड्रोजन (2) कार्बन डाई ऑक्साइड  
(3) ऑक्सीजन (4) लिथियम

**Options :**

92090617781. 1

92090617782. 2

92090617783. 3

92090617784. 4

**Question Number : 47 Question Id : 9209064500 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Normal serum level of Vitamin-A is \_\_\_\_\_

(1) 30-45 ug/dl

(2) 55-80 ug/dl

(3) 15-60 ug/dl

(4) 80-90 ug/dl

**Options :**

92090617785. 1

92090617786. 2

92090617787. 3

92090617788. 4

**Question Number : 47 Question Id : 9209064500 Question Type : MCQ Option Shuffling : No 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 -A का सामान्य सीरम स्तर है \_\_\_\_\_

(1) 20-24  $\mu\text{g}/\text{dl}$

(2) 55-80  $\mu\text{g}/\text{dl}$

(3) 25-70  $\mu\text{g}/\text{dl}$

(4) 80-90  $\mu\text{g}/\text{dl}$

**Options :**

92090617785. 1

92090617786. 2

92090617787. 3

92090617788. 4

**Question Number : 48 Question Id : 9209064501 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Hemoglobin detected by sahli's method is \_\_\_\_\_

- |                        |                      |
|------------------------|----------------------|
| (1) Methemoglobin      | (2) Oxy Hemoglobin   |
| (3) Carboxy Hemoglobin | (4) Sulph Hemoglobin |

**Options :**

- 92090617789. 1
- 92090617790. 2
- 92090617791. 3
- 92090617792. 4

**Question Number : 48 Question Id : 9209064501 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

जो हीमोग्लोबिन साहली की विधि से पहचाना जाता है, वह है -

- |                            |                       |
|----------------------------|-----------------------|
| (1) मेट-हीमोग्लोबिन        | (2) आक्सी हीमोग्लोबिन |
| (3) कार्बोक्सी हीमोग्लोबिन | (4) सल्फो हीमोग्लोबिन |

**Options :**

- 92090617789. 1
- 92090617790. 2
- 92090617791. 3
- 92090617792. 4

**Question Number : 49 Question Id : 9209064502 Question Type : MCQ Option Shuffling : No 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 Molish Test which colouring indicate the presence of carbohydrate?

- |                     |                   |
|---------------------|-------------------|
| (1) Yellowish-green | (2) Blue Black    |
| (3) Brick Red       | (4) Redish violet |

**Options :**

- 92090617793. 1
- 92090617794. 2
- 92090617795. 3
- 92090617796. 4

**Question Number : 49 Question Id : 9209064502 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

मोलिश परीक्षण में कौन सा रंग कार्बोहाइड्रेट की उपस्थिति इंगित करता है?

- |                |                |
|----------------|----------------|
| (1) पीला-हरा   | (2) नीला- काला |
| (3) इँटिया लाल | (4) लाल-बैंगनी |

**Options :**

92090617793. 1  
92090617794. 2  
92090617795. 3  
92090617796. 4

**Question Number : 50 Question Id : 9209064503 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Gram's staining was discovered by Gram scientist in

- |          |          |
|----------|----------|
| (1) 1880 | (2) 1888 |
| (3) 1884 | (4) 1886 |

**Options :**

92090617797. 1  
92090617798. 2  
92090617799. 3  
92090617800. 4

**Question Number : 50 Question Id : 9209064503 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

वैज्ञानिक ग्राम द्वारा ग्राम अभिरंजन ————— वर्ष में खोजा गया।

- |          |          |
|----------|----------|
| (1) 1880 | (2) 1888 |
| (3) 1884 | (4) 1886 |

**Options :**

92090617797. 1  
92090617798. 2  
92090617799. 3  
92090617800. 4

**Question Number : 51 Question Id : 9209064504 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Mean is measure of :

- |                              |                 |
|------------------------------|-----------------|
| (1) Location (Central value) | (2) Correlation |
| (3) Dispersion               | (4) Frequency   |

**Options :**

- 92090617801. 1
- 92090617802. 2
- 92090617803. 3
- 92090617804. 4

**Question Number : 51 Question Id : 9209064504 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

स्ट्रॉप ————— का बना होता है।

- |           |           |
|-----------|-----------|
| (1) चमड़ा | (2) लकड़ी |
| (3) धातु  | (4) पत्थर |

**Options :**

- 92090617801. 1
- 92090617802. 2
- 92090617803. 3
- 92090617804. 4

**Question Number : 52 Question Id : 9209064505 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Strope is made up of

- |             |           |
|-------------|-----------|
| (1) Leather | (2) Wood  |
| (3) Metal   | (4) Stone |

**Options :**

- 92090617805. 1
- 92090617806. 2
- 92090617807. 3



92090617808. 4

**Question Number : 52 Question Id : 9209064505 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

माध्य ————— का मापक है।

- |                        |               |
|------------------------|---------------|
| (1) स्थिति (मध्यम मान) | (2) सहसंबंध   |
| (3) परिक्षेपण          | (4) बारंबारता |

**Options :**

- 92090617805. 1
- 92090617806. 2
- 92090617807. 3
- 92090617808. 4

**Question Number : 53 Question Id : 9209064506 Question Type : MCQ Option Shuffling : No 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 represent data.

- |                             |                       |
|-----------------------------|-----------------------|
| (1) A ground value in a set | (2) Asingel wave      |
| (3) Only two value          | (4) None of the above |

**Options :**

- 92090617809. 1
- 92090617810. 2
- 92090617811. 3
- 92090617812. 4

**Question Number : 53 Question Id : 9209064506 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

निम्न में से कौन (डाटा) आंकड़ों का प्रदर्शन करता है?

- |                           |                             |
|---------------------------|-----------------------------|
| (1) एक समुच्चय में एक मान | (2) एकल तरंग                |
| (3) केवल दो मान           | (4) उपरोक्त में से कोई नहीं |

**Options :**

- 92090617809. 1

92090617810. 2

92090617811. 3

92090617812. 4

**Question Number : 54 Question Id : 9209064507 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Pictogram are shown by :

(1) Circle

(2) Lines

(3) Dots

(4) Pictures

**Options :**

92090617813. 1

92090617814. 2

92090617815. 3

92090617816. 4

**Question Number : 54 Question Id : 9209064507 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

पिक्टोग्राम, किसके द्वारा प्रदर्शित किये जाते हैं?

(1) वृत्त

(2) रेखाएँ

(3) बिन्दु

(4) चित्र

**Options :**

92090617813. 1

92090617814. 2

92090617815. 3

92090617816. 4

**Question Number : 55 Question Id : 9209064508 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Microbes living in complete harmony with the host without causing any damage are known :

(1) Commensals

(2) Pathogenesis

(3) Leukogenesis

(4) Cytogenesis

**Options :**

- 92090617817. 1
- 92090617818. 2
- 92090617819. 3
- 92090617820. 4

**Question Number : 55 Question Id : 9209064508 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

सूक्ष्म जीव जो सम्पूर्ण सुसंगति में परपोषक के साथ रहते हैं बिना कुछ भी नुकसान पहुंचाएँ, कहलाते हैं

- |                  |                  |
|------------------|------------------|
| (1) सहभोजी       | (2) रोगजनन       |
| (3) श्वे ताणुजनन | (4) कोशिकोत्पादन |

**Options :**

- 92090617817. 1
- 92090617818. 2
- 92090617819. 3
- 92090617820. 4

**Question Number : 56 Question Id : 9209064509 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Hormone assay using immune assay technique require except :

- |                   |                        |
|-------------------|------------------------|
| (1) Plasma sample | (2) Tap water          |
| (3) Controls      | (4) Drabkin's solution |

**Options :**

- 92090617821. 1
- 92090617822. 2
- 92090617823. 3
- 92090617824. 4

**Question Number : 56 Question Id : 9209064509 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

प्रतिरक्षा तकनीक आमापन का प्रयोग करते हुए हार्मोन आमापन में आवश्यकता होती है, इसके अति रिक्त

- |                     |                    |
|---------------------|--------------------|
| (1) प्लाज़्मा नमूना | (2) नल का जल       |
| (3) नियंत्रक        | (4) ड्रेबकिन विलयन |

**Options :**

92090617821. 1  
92090617822. 2  
92090617823. 3  
92090617824. 4

**Question Number : 57 Question Id : 9209064510 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Anti-Immunoglobulin is also known as :

- |                 |                   |
|-----------------|-------------------|
| (1) CRYO SERUM  | (2) COOMB'S SERUM |
| (3) LOCAL SERUM | (4) FOREIGN SERUM |

**Options :**

92090617825. 1  
92090617826. 2  
92090617827. 3  
92090617828. 4

**Question Number : 57 Question Id : 9209064510 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

एंटी-इमयूनोग्लोब्यूलिन (प्रति-प्रति रक्षाग्लोब्यूलिन) यह भी कहलाता है -

- |                  |                 |
|------------------|-----------------|
| (1) क्रायो सीरम  | (2) कुम्बस सीरम |
| (3) स्थानीय सीरम | (4) विदेशी सीरम |

**Options :**

92090617825. 1  
92090617826. 2  
92090617827. 3  
92090617828. 4

**Question Number : 58 Question Id : 9209064511 Question Type : MCQ Option Shuffling : No 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 Molecular weight of C-Reactive protein is \_\_\_\_\_ Dalton.

- |                     |                     |
|---------------------|---------------------|
| (1) 114000 - 140000 | (2) 40000 - 80000   |
| (3) 100000 - 150000 | (4) 112000 - 120000 |

**Options :**

- 92090617829. 1
- 92090617830. 2
- 92090617831. 3
- 92090617832. 4

**Question Number : 58 Question Id : 9209064511 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

C-रिएक्टिव प्रोटीन का आणविक भार \_\_\_\_\_ डाल्टन है।

- |                     |                     |
|---------------------|---------------------|
| (1) 114000 - 140000 | (2) 40000 - 80000   |
| (3) 100000 - 150000 | (4) 112000 - 120000 |

**Options :**

- 92090617829. 1
- 92090617830. 2
- 92090617831. 3
- 92090617832. 4

**Question Number : 59 Question Id : 9209064512 Question Type : MCQ Option Shuffling : No 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 of ELISA offers greater specificity and sensitivity :

- |                               |                       |
|-------------------------------|-----------------------|
| (1) Indirect ELISA            | (2) Direct ELISA      |
| (3) Streptavidin Biotin ELISA | (4) Competitive ELISA |

**Options :**

- 92090617833. 1
- 92090617834. 2
- 92090617835. 3
- 92090617836. 4



**Question Number : 59 Question Id : 9209064512 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

ELISA का एक प्रकार जो बेहतर विशिष्टता तथा संवेदनशीलता प्रदान करता है?

- |                                   |                        |
|-----------------------------------|------------------------|
| (1) अप्रत्यक्ष ELISA              | (2) प्रत्यक्ष ELISA    |
| (3) स्ट्रेपाविडिन – बायोटिन ELISA | (4) प्रतिस्पर्धा ELISA |

**Options :**

- 92090617833. 1
- 92090617834. 2
- 92090617835. 3
- 92090617836. 4

**Question Number : 60 Question Id : 9209064513 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Biochemical test is used to differentiate between fermented carbohydrate and oxidised carbohydrate is :

- |               |             |
|---------------|-------------|
| (1) ONCG TEST | (2) VG TEST |
| (3) MR TEST   | (4) OF TEST |

**Options :**

- 92090617837. 1
- 92090617838. 2
- 92090617839. 3
- 92090617840. 4

**Question Number : 60 Question Id : 9209064513 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

जैवरासायनिक परीक्षण का प्रयोग किण्वित कार्बोहाइड्रेट तथा ऑक्सीडाइज्ड कार्बोहाइड्रेट में अंतर के लिए किया जाता है वो है ?

- |                  |                |
|------------------|----------------|
| (1) ONCG परीक्षण | (2) VG परीक्षण |
| (3) MR परीक्षण   | (4) OF परीक्षण |

**Options :**

- 92090617837. 1

92090617838. 2

92090617839. 3

92090617840. 4

**Question Number : 61 Question Id : 9209064514 Question Type : MCQ Option Shuffling : No 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 Instrument used for distillation is called :

- |              |                 |
|--------------|-----------------|
| (1) Still    | (2) Colorimeter |
| (3) Freezers | (4) Centrifuge  |

**Options :**

92090617841. 1

92090617842. 2

92090617843. 3

92090617844. 4

**Question Number : 61 Question Id : 9209064514 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

आसवन के लिए प्रयोग किए जाने वाला उपकरण कहलाता है

- |            |                               |
|------------|-------------------------------|
| (1) स्टिल  | (2) वर्णमापी (कलरीमीटर)       |
| (3) फ्रीजर | (4) अपकेन्द्र (सेन्ट्रीफ्यूज) |

**Options :**

92090617841. 1

92090617842. 2

92090617843. 3

92090617844. 4

**Question Number : 62 Question Id : 9209064515 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Temperature maintained in a Bacterial Incubator is :

- |                 |                 |
|-----------------|-----------------|
| (1) 25° celcius | (2) 20° celcius |
| (3) 48° celcius | (4) 37° celcius |

**Options :**

92090617845. 1  
92090617846. 2  
92090617847. 3  
92090617848. 4

**Question Number : 62 Question Id : 9209064515 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

एक जीवाणु ऊष्मायित्र (इनक्यूबेटर) में तापमान बनाए रखा जाता है

- (1) 25° सेल्सियस (2) 20° सेल्सियस  
(3) 48° सेल्सियस (4) 27° सेल्सियस

**Options :**

92090617845. 1  
92090617846. 2  
92090617847. 3  
92090617848. 4

**Question Number : 63 Question Id : 9209064516 Question Type : MCQ Option Shuffling : No 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 device which maintain the set temperature in a Hot Air oven is called:

- (1) Indicator (2) Thermostat  
(3) Steel door (4) Chamber

**Options :**

92090617849. 1  
92090617850. 2  
92090617851. 3  
92090617852. 4

**Question Number : 63 Question Id : 9209064516 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

गर्म वायु ओवन में निर्धारित तापमान को बनाए रखने वाला उपकरण है

- |                     |                           |
|---------------------|---------------------------|
| (1) (इंडिकेटर) सूचक | (2) (थर्मोस्टट) तापस्थिरक |
| (3) स्टील दरवाजा    | (4) चैम्बर                |

**Options :**

92090617849. 1  
92090617850. 2  
92090617851. 3  
92090617852. 4

**Question Number : 64 Question Id : 9209064517 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Prevention of Infection is known as :

- |                   |                    |
|-------------------|--------------------|
| (1) Germicides    | (2) Antisepsis     |
| (3) Bacteriocidal | (4) Bacteriostatic |

**Options :**

92090617853. 1  
92090617854. 2  
92090617855. 3  
92090617856. 4

**Question Number : 64 Question Id : 9209064517 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

संक्रमण से बचाव कहलाता है

- |                |                  |
|----------------|------------------|
| (1) जर्मनाशी   | (2) पुतिरोध      |
| (3) जीवाणुनाशी | (4) जीवाणुनिरोधी |

**Options :**

92090617853. 1  
92090617854. 2  
92090617855. 3  
92090617856. 4

**Question Number : 65 Question Id : 9209064518 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum**

**Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

\_\_\_\_\_ Gas has Boiling point of  $10.7^{\circ}\text{C}$ .

- |                      |                            |
|----------------------|----------------------------|
| (1) Formaldehyde gas | (2) Beta propiolactone gas |
| (3) Ethylene oxide   | (4) Methylene oxide        |

**Options :**

- 92090617857. 1
- 92090617858. 2
- 92090617859. 3
- 92090617860. 4

**Question Number : 65 Question Id : 9209064518 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

कौन से गैस का उबाल बिंदु  $10.7^{\circ}\text{C}$  है

- |                      |                              |
|----------------------|------------------------------|
| (1) फार्मलडिहायड गैस | (2) बीटा-प्रोपीयोलेक्टोन गैस |
| (3) एथीलीन आक्साइड   | (4) मेथीलीन आक्साइड          |

**Options :**

- 92090617857. 1
- 92090617858. 2
- 92090617859. 3
- 92090617860. 4

**Question Number : 66 Question Id : 9209064519 Question Type : MCQ Option Shuffling : No 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): Bacteriology is the Branch of science which deals with the study of Bacteria.

Reasons (R): Mycology is the Branch of science which deals with the study of fungus.

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

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

**Options :**

- 92090617861. 1
- 92090617862. 2
- 92090617863. 3
- 92090617864. 4

**Question Number : 66 Question Id : 9209064519 Question Type : MCQ Option Shuffling : No 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 : जीवाणु विज्ञान, विज्ञान की वह शाखा है जो जीवाणुओं के अध्ययन से संबंधित है।

कारण R : कवक विज्ञान, विज्ञान की वह शाखा है जो कवकों के अध्ययन से सम्बंधित है।

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

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

**Options :**

- 92090617861. 1

92090617862. 2

92090617863. 3

92090617864. 4

**Question Number : 67 Question Id : 9209064520 Question Type : MCQ Option Shuffling : No 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) : Amino Acids occurring in proteins are called alpha-amino Acid.

Reasons (R) : Amino Acid do not have carboxyl group and amino group.

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

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

**Options :**

92090617865. 1

92090617866. 2

92090617867. 3

92090617868. 4

**Question Number : 67 Question Id : 9209064520 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

नीचे दो कथन दिए गए हैं: एक अभिकथन (Assertion A) के रूप में लिखित है तो दूसरा उसके कारण (Reason R) के रूप में;

अभिकथन A : प्रोटीन में पाये जाने वाले अमीनो अम्ल एल्फा अमीनो अम्ल कहलाते हैं।

कारण R : अमीनो अम्ल में कार्बोक्सिल समूह तथा अमीनो समूह नहीं होता।

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

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

**Options :**

92090617865. 1  
92090617866. 2  
92090617867. 3  
92090617868. 4

**Question Number : 68 Question Id : 9209064521 Question Type : MCQ Option Shuffling : No 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) : RNA polymerase bonds to promoter.

Reasons (R) : The phosphodiester bond is formed between 2 ribonucleotides.

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

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

**Options :**

92090617869. 1  
92090617870. 2  
92090617871. 3

92090617872. 4

**Question Number : 68 Question Id : 9209064521 Question Type : MCQ Option Shuffling : No 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 : आर. एन. ए पॉलिमरेज प्रमोटर से जुड़ता है।

कारण R : 2 राइबोन्यूक्लिओटाइड के मध्य फास्फोडायएस्टर बंध बनता है।

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

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

**Options :**

92090617869. 1

92090617870. 2

92090617871. 3

92090617872. 4

**Question Number : 69 Question Id : 9209064522 Question Type : MCQ Option Shuffling : No 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) : Bacteria divide by binary fission.

Reasons (R) : The DNA of bacteria is replicated with the aid of DNA polymerase.

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

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

**Options :**

- 92090617873. 1
- 92090617874. 2
- 92090617875. 3
- 92090617876. 4

**Question Number : 69 Question Id : 9209064522 Question Type : MCQ Option Shuffling : No 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 : जीवाणु द्विखंडन द्वारा विभाजित होता है।

कारण R : बैक्टीरिया (जीवाणु) के (DNA) डी.एन.ए. की प्रतिलिपि डी.एन.ए. पॉलिमरेज की सहायता से बनती है पॉलिमरेज

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

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

**Options :**

- 92090617873. 1
- 92090617874. 2



92090617875. 3

92090617876. 4

**Question Number : 70 Question Id : 9209064523 Question Type : MCQ Option Shuffling : No 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) : Human Immuno deficiency virus is a retrovirus.

Reasons (R) : Hepatitis A virus has RNA as the genetic material for the genome.

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

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

**Options :**

92090617877. 1

92090617878. 2

92090617879. 3

92090617880. 4

**Question Number : 70 Question Id : 9209064523 Question Type : MCQ Option Shuffling : No 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 : ह्यूमन इम्यूनो डेफिशिएंसी वायरस एक रेट्रोवायरस है।

कारण R : हेपेटाइटिस वायरस में जीनोम के लिए आर.एन.ए. आनुवंशिक पदार्थ के रूप में होता है।

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

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

**Options :**

92090617877. 1

92090617878. 2

92090617879. 3

92090617880. 4

**Question Number : 71 Question Id : 9209064524 Question Type : MCQ Option Shuffling : No 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 coagulase test is used to differentiate *S.aureus* from *S.epidermidis*.

Reasons (R) : *Rhizobium* is protozoa.

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

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

**Options :**

92090617881. 1

92090617882. 2

92090617883. 3

92090617884. 4

**Question Number : 71 Question Id : 9209064524 Question Type : MCQ Option Shuffling : No 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 : स्कंदन परीक्षण एस ओरियस को एस. ऐपीडर्मिडीस से अंतर करने के लिए प्रयोग किया जाता है।

कारण R : राइजो बीयम एक प्रोटोजोआ है।

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

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

**Options :**

92090617881. 1

92090617882. 2

92090617883. 3

92090617884. 4

**Question Number : 72 Question Id : 9209064525 Question Type : MCQ Option Shuffling : No 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) : Helicase unwinds the DNA to separate the strands.

Reasons (R) : RNA polymerase has unwinding activity.

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

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

**Options :**

92090617885. 1

92090617886. 2

92090617887. 3

92090617888. 4

**Question Number : 72 Question Id : 9209064525 Question Type : MCQ Option Shuffling : No 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 : रज्जुकों को पृथक करने के लिए हेलिकेस (DNA) डी.एन.ए. को खोलता है।

कारण R : आर.एन.ए. पॉलिमरेज में (आनवाइडेंज) खोलने की क्रिया होती है।

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

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

**Options :**

92090617885. 1

92090617886. 2

92090617887. 3

92090617888. 4

**Question Number : 73 Question Id : 9209064526 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Steps of Erythropoiesis is :

- (A) Early Normoblast
- (B) Late Normoblast
- (C) Pre Erythroblast
- (D) Reticulocyte
- (E) Inter mediate Normoblast

Choose the correct answer from the options given below :

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

**Options :**

92090617889. 1

92090617890. 2

92090617891. 3

92090617892. 4

**Question Number : 73 Question Id : 9209064526 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**



रक्ताणुउत्पत्ति के चरण हैं।

- A. अरंभिक नोर्मोब्लास्ट
- B. विलंबित नोर्मोब्लास्ट
- C. पूर्व-रक्ताणुकोरक
- D. जालिका कोशिका
- E. मध्यवर्ती नोर्मोब्लास्ट (रुधिरकोशिकाकोरक)

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

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

**Options :**

- 92090617889. 1
- 92090617890. 2
- 92090617891. 3
- 92090617892. 4

**Question Number : 74 Question Id : 9209064527 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Sequencing the skull bone from down to upside :

- (A) PALATINE BONE
- (B) PARIETAL BONE
- (C) LACRIMAL BONE
- (D) FRONTAL BONE
- (E) ETHMOID BONE

Choose the correct answer from the options given below :

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

**Options :**

- 92090617893. 1
- 92090617894. 2
- 92090617895. 3
- 92090617896. 4

**Question Number : 74 Question Id : 9209064527 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

कपाल अस्थियों के नीचे से ऊपर की तरफ क्रमबद्ध कीजिए।

- A. पेलेटाइन अस्थि
- B. पेराइटल अस्थि
- C. लेक्रीमल अस्थि
- D. फ्रंटल अस्थि
- E. एथमॉयड अस्थि

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

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

**Options :**

- 92090617893. 1
- 92090617894. 2
- 92090617895. 3
- 92090617896. 4

**Question Number : 75 Question Id : 9209064528 Question Type : MCQ Option Shuffling : No 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 sequence, representation of the component in a colorimeter is:

- (A) CUVETTE
- (B) FILTER
- (C) DETECTOR
- (D) SAMPLE HOLDER
- (E) LIGHT SOURCE

Choose the correct answer from the options given below :

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

**Options :**

- 92090617897. 1
- 92090617898. 2
- 92090617899. 3
- 92090617900. 4

**Question Number : 75 Question Id : 9209064528 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

कलरीमीटर के घटकों का क्रमशः प्रदर्शन है।

- A. द्रोणिका (क्यूवे)
- B. निस्पंदक (फिल्टर)
- C. संसूचक (डिटेक्टर)
- D. सेम्पल होल्डर (नमूना परिधानी)
- E. प्रकाश स्त्रोत

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

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

**Options :**

- 92090617897. 1

92090617898. 2

92090617899. 3

92090617900. 4

**Question Number : 76 Question Id : 9209064529 Question Type : MCQ Option Shuffling : No 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 sequence, Gram stain involves:

- (A) DECOLORIZATION
- (B) CRYSTAL VIOLET Addition
- (C) GRAM'S IODINE Addition
- (D) SAFRANIN Addition

Choose the correct answer from the options given below :

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

**Options :**

92090617901. 1

92090617902. 2

92090617903. 3

92090617904. 4

**Question Number : 76 Question Id : 9209064529 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

क्रमशः ग्राम रंजक में सम्मिलित हैं।

- A. विरंजीकरण
- B. क्रिस्टल वायलेट मिलाना
- C. ग्राम आयोडीन मिलाना
- D. ग्राम आयोडीन मिलाना
- E. सेफ्रेनिन मिलाना

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

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

**Options :**

- 92090617901. 1
- 92090617902. 2
- 92090617903. 3
- 92090617904. 4

**Question Number : 77 Question Id : 9209064530 Question Type : MCQ Option Shuffling : No 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 Acid – fast staining, the correct order of steps needs to be determined.

- (A) Preparation of bacterial smear on slide.
- (B) Addition of Methylene Blue
- (C) Addition of Carbol-Fuchsin and heating for 5 minutes
- (D) Addition of 1% acid-alcohol.

Choose the correct answer from the options given below :

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

**Options :**

- 92090617905. 1
- 92090617906. 2
- 92090617907. 3



92090617908. 4

**Question Number : 77 Question Id : 9209064530 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

अम्ल स्थायी रंजन में चरणों को सही क्रम में निर्धारित करने की आवश्यकता है।

- A. स्लाइड पर जीवाणु आलेप (बैक्टीरियल स्मीयर) तैयार करना।
- B. मिथाइलीन ब्लू को मिलाना
- C. कार्बोल फुशिन को मिलाना तथा 5 मिनट के लिए गर्मकरना
- D. 1% अम्ल-एल्कोहॉल मिलाना

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

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

**Options :**

- 92090617905. 1
- 92090617906. 2
- 92090617907. 3
- 92090617908. 4

**Question Number : 78 Question Id : 9209064531 Question Type : MCQ Option Shuffling : No 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 order of event in DNA replication needs to be determined.

- (A) Building of single stranded binding protein to DNA strands
- (B) Unwinding of DNA by helicase
- (C) primase initiates synthesis of RNA primer
- (D) DNA polymerase starts the addition of deoxyribonucleotide to the primer

Choose the correct answer from the options given below :

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

**Options :**

- 92090617909. 1
- 92090617910. 2
- 92090617911. 3
- 92090617912. 4

**Question Number : 78 Question Id : 9209064531 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

डी.एन.ए. प्रतिकृति की हाटनाओं के क्रम को निर्धारित कीजिए।

- A. डी.एन.ए. रज्जुकों में एकलरज्जुक बाध्य प्रोटीन का बंधन प्रोटीन का बंधन
- B. हेलिकेज़ द्वारा डी.एन.ए. को खोलना
- C. प्राइमेज़ आर.एन.ए. प्राइमर का संश्लेषण प्रारंभ करता है।
- D. डी.एन.ए. पॉलिमरेज़ प्रारंभकों (प्राइमर्स) पर डी आक्सीराइबो न्यूक्लिओटाइड का जुड़ना प्रारंभ कर देता है।

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

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

**Options :**

- 92090617909. 1
- 92090617910. 2
- 92090617911. 3

92090617912. 4

**Question Number : 79 Question Id : 9209064532 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

The correct order of steps for indirect ELISA needs to be determined

- (A) Addition of secondary antibody, with a tag, followed by incubation
- (B) Fixation of antigen on the plate well
- (C) Addition of primary antibody to the plate well, followed by incubation
- (D) Detection of signal

Choose the correct answer from the options given below :

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

**Options :**

92090617913. 1

92090617914. 2

92090617915. 3

92090617916. 4

**Question Number : 79 Question Id : 9209064532 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

अप्रत्यक्ष (ELISA) एलिसा के चरणों को सही क्रम में व्यवस्थित कीजिए।

- A. एक टेग के साथ द्वितीयक प्रतिरक्षी (एंटी बाडी) को मिलाकर ऊमायन करना
- B. एंटीजन का प्लेट वेल पर स्थिरीकरण
- C. प्राथमिक प्रति रक्षी का प्लेट वेल पर जोड़ना
- D. सूचक (सिग्नल) की पहचान

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

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

**Options :**

- 92090617913. 1
- 92090617914. 2
- 92090617915. 3
- 92090617916. 4

**Question Number : 80 Question Id : 9209064533 Question Type : MCQ Option Shuffling : No 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 Heiffor Knief is used in Rocking Microtome.

Statement II : Rapid section can be obtained by Freezing microtome.

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

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are not correct
- (3) Statement I is correct but Statement II is not correct
- (4) Statement I is not correct but Statement II is correct

**Options :**

92090617917. 1  
92090617918. 2  
92090617919. 3  
92090617920. 4

**Question Number : 80 Question Id : 9209064533 Question Type : MCQ Option Shuffling : No 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 : हायफर नाइफ का प्रयोग रॉकिंग माइक्रोटोन में किया जाता है।

कथन II : जमते हुए (फ्रीजींग) माइक्रोटोन द्वारा रेपिड सेक्शन (तीव्रपरिच्छेद) प्राप्त किया जा सकता है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तरका चयन कीजिए

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

**Options :**

92090617917. 1  
92090617918. 2  
92090617919. 3  
92090617920. 4

**Question Number : 81 Question Id : 9209064534 Question Type : MCQ Option Shuffling : No 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 : CYTOKINASE ARE GROUP OF CARBOHYDRATE THAT BRINGS ABOUT COMMUNICATION BETWEEN DIFFERENT CELL TYPES.

Statement II : THE WORKING OF COLORIMETER IS BASED ON THE PRINCIPLE OF LOWENSTIN – JENSEN.

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

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are not correct
- (3) Statement I is correct but Statement II is not correct
- (4) Statement I is not correct but Statement II is correct

**Options :**

- 92090617921. 1
- 92090617922. 2
- 92090617923. 3
- 92090617924. 4

**Question Number : 81 Question Id : 9209064534 Question Type : MCQ Option Shuffling : No 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 : साइटोकाइनेज़ कार्बोहाइड्रेट के समूह हैं जो विभिन्न कोशिका प्रकारों में संचार लाते हैं।

कथन II : कलरीमीटर की कार्यनीति लोवेनस्टीन-जेनसन के सिद्धान्त पर आधारित है।

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

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

**Options :**

- 92090617921. 1

92090617922. 2

92090617923. 3

92090617924. 4

**Question Number : 82 Question Id : 9209064535 Question Type : MCQ Option Shuffling : No 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 : Neisseria Gonorrhoea is Gram-VE diplococci and are bean shaped.

Statement II : Diplococcus pneumoniae is also called streptococci pneumoniae.

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

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

**Options :**

92090617925. 1

92090617926. 2

92090617927. 3

92090617928. 4

**Question Number : 82 Question Id : 9209064535 Question Type : MCQ Option Shuffling : No 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 : नायसेरिया गोनोरिया (*Neisseria gonorrhoea*) ग्राम - ve (ऋणात्मक) डिप्लोकोकाई तथा बीन के आकार का है।

कथन II : डिप्लोकोकस न्यूमोनि (*Diplococcus pneumoniae*) को स्ट्रोपटोकोकाई न्यूमोनि (*Streptococcus pneumoniae*) भी कहते हैं।

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

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

**Options :**

92090617925. 1
92090617926. 2
92090617927. 3
92090617928. 4

**Question Number : 83 Question Id : 9209064536 Question Type : MCQ Option Shuffling : No 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 : Clostridia are bacteria that can produce toxin.

Statement II : Bacillus are rod shaped bacteria.

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

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

**Options :**

92090617929. 1
92090617930. 2
92090617931. 3

92090617932. 4

**Question Number : 83 Question Id : 9209064536 Question Type : MCQ Option Shuffling : No 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 : क्लॉसट्रिडिया वह जीवाणु है जो विष का उत्पादन कर सकते है।

कथन II : बेसिलस दंडाकार जीवाणु हैं।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तरका चयन कीजिए

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

**Options :**

92090617929. 1

92090617930. 2

92090617931. 3

92090617932. 4

**Question Number : 84 Question Id : 9209064537 Question Type : MCQ Option Shuffling : No 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 : Phosphofructokinase is activated by 5 AMP.

Statement II : phosphofructokinase is activated by fructose-6-phosphate.

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

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

**Options :**

92090617933. 1  
92090617934. 2  
92090617935. 3  
92090617936. 4

**Question Number : 84 Question Id : 9209064537 Question Type : MCQ Option Shuffling : No 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 : फास्फोफ्रक्टोकाइनेज 5' AMP के द्वारा सक्रियित किया जाता है।

कथन II : फास्फोफ्रक्टोकाइनेज फ्रक्टोस-6-फास्फेट द्वारा सक्रियित किया जाता है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तरका चयन कीजिए

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

**Options :**

92090617933. 1  
92090617934. 2  
92090617935. 3



92090617936. 4

**Question Number : 85 Question Id : 9209064538 Question Type : MCQ Option Shuffling : No 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 : Adenovirus can infect humans.

Statement II : Blastomyces dermatidis is a dimorphic fungus.

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

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

**Options :**

92090617937. 1

92090617938. 2

92090617939. 3

92090617940. 4

**Question Number : 85 Question Id : 9209064538 Question Type : MCQ Option Shuffling : No 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 : एडीनो वायरस मानवों को संक्रमित कर सकता है।

कथन II : बलास्टोमाइसिस : (*Blastomycosis dermatidis*) एक द्विरूपी कवक है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तरका चयन कीजिए

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

**Options :**

92090617937. 1

92090617938. 2

92090617939. 3

92090617940. 4

**Question Number : 86 Question Id : 9209064539 Question Type : MCQ Option Shuffling : No 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 : Ergosterol is a precursor of Vitamin D.

Statement II : Fumarase enzyme catalyses no reaction in Citric Acid cycle.

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

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

**Options :**

92090617941. 1

92090617942. 2

92090617943. 3

92090617944. 4

**Question Number : 86 Question Id : 9209064539 Question Type : MCQ Option Shuffling : No 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 : अर्गोस्टेरोल-विटामिन-डी का पूर्वगामी है।

कथन II : फ्यूमरेज एंजाइम सिट्रिक अम्ल चक्र में किसी अभिक्रिया को उत्प्रेरित नहीं करता है।

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

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

**Options :**

92090617941. 1  
92090617942. 2  
92090617943. 3  
92090617944. 4

**Question Number : 87 Question Id : 9209064540 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Read the following statement.

- (A) Corry's fluid preserve the glucogen.
- (B) Klebsiella is gram+ve bacilli
- (C) Benzidine test Blue colour indicate -ve result
- (D) Coccygeal vertebrae are 4 in Number

Choose the correct answer from the options given below :

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

**Options :**

92090617945. 1  
92090617946. 2  
92090617947. 3

**Question Number : 87 Question Id : 9209064540 Question Type : MCQ Option Shuffling : No 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 कथनों को ध्यानपूर्वक पढ़िए।

- A. कोर्नोयस तरल ग्लायकोजन का परिरक्षण करता है।
- B. क्लेबसिल्ला एक ग्राम धनात्मक बेसिलाई है।
- C. बेंजीडाइन परीक्षण नीला रंग ऋणात्मक परीक्षण को इंगित करता है।
- D. को किजयल कशेरुका संख्या में 4 हैं।

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

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

**Options :**

- 92090617945. 1
- 92090617946. 2
- 92090617947. 3
- 92090617948. 4

**Question Number : 88 Question Id : 9209064541 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Read the following statement:-

- (A) Eugenics is a science of improving human race Based on genetics.
- (B) Decreased Blood glucose level is Hyperglycemia
- (C) OMIM is a catalogue of Human gene and genetic disorder
- (D) Secretion of glycagon is stimulated by High Blood glucose.

Choose the correct answer from the options given below :

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

**Options :**

92090617949. 1  
92090617950. 2  
92090617951. 3  
92090617952. 4

**Question Number : 88 Question Id : 9209064541 Question Type : MCQ Option Shuffling : No 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 कथनों को ध्यानपूर्वक पढ़िए।

- A. पूजेन किस (सुजननविज्ञान) मानव जाति को आनुवांशिकी के आधार पर बेहतर करने का एक विज्ञान है।  
B. घटा हुआ रक्त शर्करा स्तर-हायपरग्लायसीमिया  
C. OMIM मानव जीन तथा आनुवांशिक विकार का एक केटालोग (ग्रंथसूची) है।  
D. ग्लायकागोन का स्तवण उच्च रक्त ग्लूकोज़ द्वारा उददीप्त किया जाता है।

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

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

**Options :**

92090617949. 1  
92090617950. 2  
92090617951. 3  
92090617952. 4

**Question Number : 89 Question Id : 9209064542 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**



Read the following statement:-

- (A) Planoconcave has one surface plane and the other concave.
- (B) Toulene makes tissue smooth.
- (C) Bioconcave has both surface are concave.
- (D) Acetone is clearing reagent.

Choose the correct answer from the options given below :

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

**Options :**

- 92090617953. 1
- 92090617954. 2
- 92090617955. 3
- 92090617956. 4

**Question Number : 89 Question Id : 9209064542 Question Type : MCQ Option Shuffling : No 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 कथनों को ध्यानपूर्वक पढ़िए।

- A. समतल-अवतल की एक सतहसमतल व दूसरी अवतल है।
- B. तालूइन उत्तक को नर्म बनाता है।
- C. उभयावतल की दोनों सतह अवतल हैं।
- D. एसीटोन एक निर्मलन अभिकर्मक है।

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

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

**Options :**

- 92090617953. 1
- 92090617954. 2
- 92090617955. 3
- 92090617956. 4

**Question Number : 90 Question Id : 9209064543 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

For Gram staining of bacteria, the statements that are correct are,

- (A) Crystal Violet binds to peptidoglycan.
- (B) Iodine serves as a mordant in bacterial Gram staining.
- (C) Bacillus is a Gram negative bacterium.
- (D) Staphylococcus is Gram negative.

Choose the correct answer from the options given below :

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

**Options :**

92090617957. 1

92090617958. 2

92090617959. 3

92090617960. 4

**Question Number : 90 Question Id : 9209064543 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

जीवाणुओं के ग्राम अभिरंजन के लिए कौनसे कथन सही हैं?

- A. क्रिस्टल वॉयलेट पेरटीडोग्लाइकेन से बंधाजाता है।
- B. जीवाणु ग्राम अभिरंजन में आयोडीन एक संबंधक की तरह कार्यकरता है।
- C. बैसिलस एक ग्राम ऋणात्मक बैक्टीरिया है।
- D. स्टेफायलोकोकरन ग्राम ऋणात्मक है।

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

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

**Options :**

92090617957. 1

92090617958. 2

92090617959. 3

92090617960. 4

**Question Number : 91 Question Id : 9209064544 Question Type : MCQ Option Shuffling : No 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 true about the human nervous system?

- (A) A ganglion refers to a cluster of neuronal cell bodies.
- (B) A nerve is a bundle of axons.
- (C) White matter is composed primarily of myelinated axons.
- (D) Action potential is not observed in the nervous system.

Choose the correct answer from the options given below :

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

**Options :**

92090617961. 1

92090617962. 2

92090617963. 3

92090617964. 4

**Question Number : 91 Question Id : 9209064544 Question Type : MCQ Option Shuffling : No 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 मानव तंत्रिका तंत्र के बारे में क्या सत्य है?

- A. एक गैंग्लिआन (गुच्छिका) का अर्थ तंत्रिकाय कोशिका पिण्डों के गुच्छ से होता है।
- B. तंत्रिका तंत्रिकाक्षों का एक समूह (बंडल) है।
- C. श्वेत द्रव्य मुख्यतः माय लिन आच्छादित तंत्रिकाक्षों का बना होता है।
- D. तंत्रिका तंत्र में क्रिया विभव नहीं पाया जाता है।

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

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

**Options :**

- 92090617961. 1
- 92090617962. 2
- 92090617963. 3
- 92090617964. 4

**Question Number : 92 Question Id : 9209064545 Question Type : MCQ Option Shuffling : No 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 description of viruses, the following statement need to be studied and the correct ones selected:

- (A) Viruses are intracellular parasites.
- (B) They have protein coats called capsids.
- (C) They are not obligate parasites.
- (D) They can be seen by the naked eye.

Choose the correct answer from the options given below :

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

**Options :**

- 92090617965. 1
- 92090617966. 2
- 92090617967. 3

**Question Number : 92 Question Id : 9209064545 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

विषाणुओं (वायरस) की व्याख्या में निम्नलिखित कथनों को पढ़कर, सही का चयन कीजिए।

- A. वायरस (विषाणु अन्तः कोशिकीय परजीवी हैं।
- B. उन पर प्रोटीन कोट है जो केपसिड कहलाते हैं।
- C. वे अविकल्पी परजीवी नहीं है।
- D. वे नंगी आँखो से भी देखे जा सकते हैं।

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

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

**Options :**

92090617965. 1

92090617966. 2

92090617967. 3

92090617968. 4

**Question Number : 93 Question Id : 9209064546 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

Read the following statement

- (A) Coagulation of Blood called Hemostasis.
- (B) RBC is increased in polycythemia decrease in Anemia.
- (C) Dead leukocytes are know as Epithelial cells.
- (D) EDTA is NON chelating Agent.

Choose the correct answer from the options given below :

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



**Options :**

- 92090617969. 1
- 92090617970. 2
- 92090617971. 3
- 92090617972. 4

**Question Number : 93 Question Id : 9209064546 Question Type : MCQ Option Shuffling : No 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 कथनों को ध्यानपूर्वक पढ़िए।

- A. रक्त के स्कंदन को होमोस्टेसिस कहते हैं।
- B. आर.बी.सी. की संख्या बहुलोहिताणुता में बढ़ा तथा एनीमिया में घट जाती है।
- C. मृत श्वेत कणिका को एपिथिलियल (उपकला) कोशिका के नाम से जाना जाता है।
- D. ई.डी.टी.ए. गैर चीलेट कर्मक है।

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

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

**Options :**

- 92090617969. 1
- 92090617970. 2
- 92090617971. 3
- 92090617972. 4

**Question Number : 94 Question Id : 9209064547 Question Type : MCQ Option Shuffling : No 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) PARASITOLOGY	(I) STUDY OF ORGAN
(B) ARTHROLOGY	(II) STUDY OF BONE
(C) SPLANCHNOLOGY	(III) STUDY OF PARASITE
(D) OSTEOLOGY	(IV) STUDY OF JOINTS

Choose the correct answer from the options given below:

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

**Options :**

92090617973. 1  
92090617974. 2  
92090617975. 3  
92090617976. 4

**Question Number : 94 Question Id : 9209064547 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

सूची I के साथ सूची II का मिलान कीजिए

सूची-I	सूची -II
(A) परजीवी विज्ञान	(I) अंगो का अध्ययन
(B) संधिकरण	(II) अस्थि का अध्ययन
(C) अंतरंग विज्ञान (स्पलैकनोलोजी)	(III) परजीवी का अध्ययन
(D) अस्थिविज्ञान	(IV) जोड़ों का अध्ययन

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

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

**Options :**

92090617973. 1  
92090617974. 2  
92090617975. 3

**Question Number : 95 Question Id : 9209064548 Question Type : MCQ Option Shuffling : No 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) ACANTHOCYTES	(I) LIVER DISEASE, NORMAL INFANTS URAMIA
(B) SCHISTOCYTES	(II) CARCINOMA, URAEMIA
(C) BURR CELLS	(III) ABNORMALITIES IN RBC
(D) POLYCHROMASIA	(IV) RESPONSE TO BLOOD LOSS, HEMOLYSIS

Choose the correct answer from the options given below:

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

**Options :**

92090617977. 1

92090617978. 2

92090617979. 3

92090617980. 4

**Question Number : 95 Question Id : 9209064548 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

सूची I के साथ सूची II का मिलान कीजिए

सूची-I	सूची-II
(A) एकेन्थोसाइट	(I) यकृत रोग, सामान्य यूरेमिया
(B) खंडरक्ताणु	(II) कार्सिनोमा, यूरेमिया
(C) बर्ब कोशिका	(III) आर.बी.सी. में असामान्यता
(D) बहुवर्णकता	(IV) रक्त हानि के प्रति अनुक्रिया रूधिरलयन

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

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

**Options :**

92090617977. 1  
92090617978. 2  
92090617979. 3  
92090617980. 4

**Question Number : 96 Question Id : 9209064549 Question Type : MCQ Option Shuffling : No 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) RBC	(I) 1 : 20
(B) WBC	(II) 1 : 200
(C) PLATELET	(III) 1 : 10
(D) ABSOLUTE EOSINOPHIL COUNT	(IV) 1 : 200

Choose the correct answer from the options given below:

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

**Options :**

92090617981. 1

92090617982. 2

92090617983. 3

92090617984. 4

**Question Number : 96 Question Id : 9209064549 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

सूची I के साथ सूची II का मिलान कीजिए

सूची-I (कोशिका)	सूची -II
(A) आर.बी.सी.	(I) 1 : 20
(B) डब्ल्यू.बी.सी.	(II) 1 : 200
(C) बिम्बाणु (प्लेटलेट)	(III) 1 : 10
(D) पूर्ण इओसिनोफिल गणना	(IV) 1 : 100

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

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

**Options :**

92090617981. 1

92090617982. 2

92090617983. 3

92090617984. 4

**Question Number : 97 Question Id : 9209064550 Question Type : MCQ Option Shuffling : No 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) NEUTROPHILS	(I) 20 – 45%
(B) EOSINOPHILS	(II) 0 – 1%
(C) BASOPHILS	(III) 40 – 75%
(D) LYMPHOCYTE	(IV) 1 – 6%

Choose the correct answer from the options given below:

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

**Options :**

92090617985. 1  
92090617986. 2  
92090617987. 3  
92090617988. 4

**Question Number : 97 Question Id : 9209064550 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

सूची I के साथ सूची II का मिलान कीजिए

सूची-I (कोशिका)	सूची -II
(A) न्यूट्रोफिल्स	(I) 20 – 45%
(B) इओसिनोफिल	(II) 0 – 1%
(C) बेसोफिल	(III) 40 – 45%
(D) लिम्फोसाइट	(IV) 1 – 6%

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

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

**Options :**

92090617985. 1  
92090617986. 2  
92090617987. 3  
92090617988. 4

**Question Number : 98 Question Id : 9209064551 Question Type : MCQ Option Shuffling : No 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 (Anaemia)	List II (Causes of Anamia)
(A) Aplastic Anaemia	(I) RBCs are broken down in body
(B) Haemolytic Anaemia	(II) Bone marrow does not produce enough RBCs, WBCs
(C) Pernicious Anaemia	(III) Haemoglobin protein is abnormal
(D) Sickle cell anaemia	(IV) Body cannot trigger proper absorption of Vitamin B12

Choose the correct answer from the options given below:

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

**Options :**

- 92090617989. 1
- 92090617990. 2
- 92090617991. 3
- 92090617992. 4

**Question Number : 98 Question Id : 9209064551 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

सूची I के साथ सूची II का मिलान कीजिए

सूची-I	सूची -II
(A) एपलेस्टिक अरक्तता	(I) शरीर में आर.बी.सी. टूट जाती है।
(B) रूधिरलयी	(II) अस्थि व मज्जा व्यप्ति RBC WBC ज़्यादा उत्पादन नहीं करती
(C) प्रणाशी	(III) हीमोग्लोबीन प्रोटीन आसामान्य है।
(D) दात्राकोशिका	(IV) शरीर ठीक से विटामिन B-12 अवशोषण नहीं कर पाती

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

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

**Options :**

92090617989. 1  
92090617990. 2  
92090617991. 3  
92090617992. 4

**Question Number : 99 Question Id : 9209064552 Question Type : MCQ Option Shuffling : No 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 Virus	List II property
(A) HIV	(I) Contains ds DNA and produces HBs Ag
(B) Hepatitis B virus	(II) carries out reverse transcription, has integrase activity.
(C) Adenovirus	(III) Infects tobacco plant, is a rod shaped virus
(D) TMV	(IV) The capsid is present and core is seen, ds DNA is present

Choose the correct answer from the options given below:

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

**Options :**

- 92090617993. 1
- 92090617994. 2
- 92090617995. 3
- 92090617996. 4

**Question Number : 99 Question Id : 9209064552 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

सूची I के साथ सूची II का मिलान कीजिए

सूची-I (वायरस (विषाणु))	सूची -II (विशेषण)
(A) एच आई.वी.	(I) इसमें dsDNA निहित तथा यह HBsAg उत्पादन करता है।
(B) हेपेटाइटिस-बी वायरस	(II) विलोम अनुलेखन करता है इसमें इंटीग्रेस गतिविधि है
(C) एडीनोवायरस	(III) तम्बाकू पादप को संक्रमित करता है यह दंडाकार है
(D) टी.एम.वी.	(IV) केप्सीड उपस्थित है तथा कोर देखा जाता है, dsDNA उपस्थित है।

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

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

**Options :**

92090617993. 1  
92090617994. 2  
92090617995. 3  
92090617996. 4

**Question Number : 100 Question Id : 9209064553 Question Type : MCQ Option Shuffling : No 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
Culture medium	Properties
(A) Hektoen Enteric Agar	(I) Contain lactose and bile, is a selective medium allows growth of Gram negative bacteria
(B) Macconkey Agar	(II) Promotes growth of Mycobacterium
(C) 7 H10	(III) It is used for detecting Antibiotic resistance in bacteria
(D) Mueller Hinton Agar	(IV) It is used predominantly to grow Salmonella and Shigella

Choose the correct answer from the options given below:

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

**Options :**

92090617997. 1  
92090617998. 2  
92090617999. 3  
92090618000. 4

**Question Number : 100 Question Id : 9209064553 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 4 Wrong Marks : 1**

सूची I के साथ सूची II का मिलान कीजिए

सूची-I	सूची-II
(A) हेकटोइन ऐन्टेरीक अगर	(I) इसमें लेक्टोस तथा पत्तरस है, एक चुनिंदा माध्यम है, यह ग्राम ऋणात्मक बैक्टीरिया की वृद्धि होने देता है।
(B) मैक कॉन्की अगर	(II) यह माइको बैक्टीरियम की वृद्धि को बढ़ाता है।
(C) 7 H 10 अगर	(III) यह बैक्टीरिया को पहचानने के लिए प्रतिरोधकता को पहचानने के लिए प्रयुक्त होता है।
(D) मुलर हिन्टन अगर	(IV) यह मुख्यतः सालमोनेला तथा शाइमे ला को बढ़ाने के लिए प्रयोग होता है।

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

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

**Options :**

92090617997. 1
92090617998. 2
92090617999. 3
92090618000. 4