

Delhi Police Constable Tier 1 Previous Year Question Paper Overview

Here, you can solve all the questions asked in Delhi Police Constable Tier 1 Previous Year Question Paper on 2020-12-02 in the Morning exam. The detailed solutions are also provided for every previous year question and some of these questions can be asked again in your Delhi Police Constable Tier 1 exam. There are 100 questions in the exam and 90 minutes are provided for the Delhi Police Constable Tier 1 exam. The Cutoff of the exam was 75 marks hence you should try to score at least 85 marks.

Delhi Police Constable Tier 1 Previous Year Question Paper : Questions and Solutions

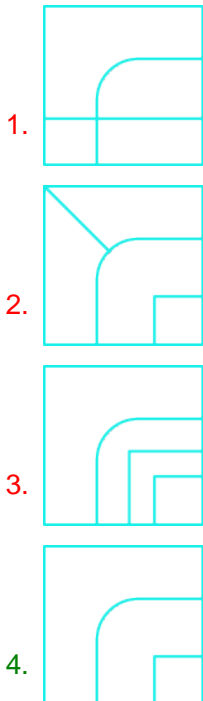
Question 1 :

Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern.

Difficulty : Moderate

Average Time : 43 Seconds

Options :



Solution :



The correct answer is **option 4** i.e.

The figure that will complete the pattern:



Question 2 :

Two different positions of the same dice are shown, the six faces of which are numbered from 1 to 6. Select the number that will be on the face opposite to the one having '3'.

Difficulty : Moderate

Average Time : 64 Seconds

Options :

- 1. 2
- 2. 5
- 3. 1
- 4. 4

Solution :

The correct answer is **option 4** i.e. **4**.

In both dice, 4 is common. So, start rotating either in the clockwise or anticlockwise direction.

Clockwise direction:

Dice 1: 4 1 2

Dice 2: 4 5 6

So, 3 is opposite to 4.

Anticlockwise direction:

Dice 1: 4 2 1

Dice 2: 4 6 5

So, 3 is opposite to 4.

Hence, **option 4** is the correct answer.

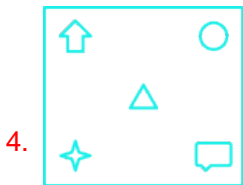
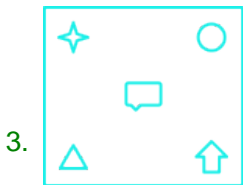
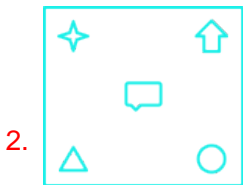
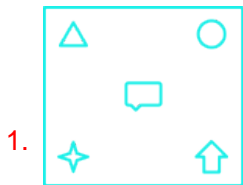
Question 3 :

Which figure will replace the question mark (?) in the following figure series?

Difficulty : Moderate

Average Time : 47 Seconds

Options :



Solution :



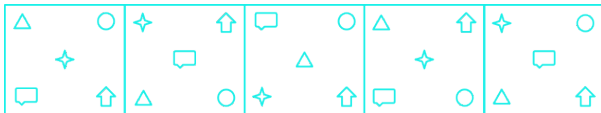
The correct answer is **option 3** i.e.

The logic used here is:

1. The top left figure moves to the bottom left corner.

2. The bottom left figure moves to the center of the square.
3. The top right figure moves to the bottom right corner.
4. The bottom right figure moves to the top right corner.
5. The central figure moves to the top left corner.

The image series:



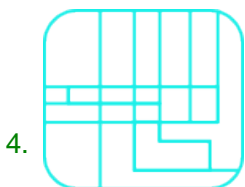
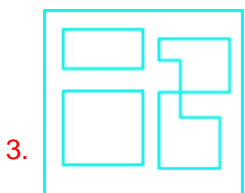
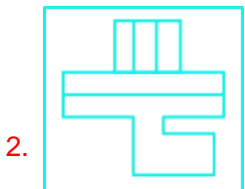
Question 4 :

Select the option in which the given figure (X) is embedded (rotation is NOT allowed).

Difficulty : Moderate

Average Time : 76 Seconds

Options :



Solution :

The correct answer is **option 4** i.e.

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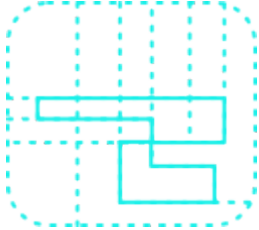
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The given figure is embedded in option 4, as shown below:



Question 5 :

In a code language, 'FROM' is written as 'UILN'. How will 'SILICA' be written in that language?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. HRORXZ
2. HQQQXZ
3. GSLSYB
4. GRORWZ

Solution :

The correct answer is **option 1** i.e. **HRORXZ**.

The logic used here is:

'FROM' is written as 'UILN'

Opposite of F = U

Opposite of R = I

Opposite of O = L

Opposite of M = N

Similarly;

Code for the word SILICA:

Opposite of S = H

Opposite of I = R

Opposite of L = O

Opposite of I = R

Opposite of C = X

Opposite of A = Z

Hence, **option 1** is the correct answer.

Question 6 :

Which number will replace the question mark (?) in the following series? 8, 4, 4, 6, 12, ?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. 24

2. 30

3. 29

4. 62

Solution :

The correct answer is **option 2** i.e. **30**.

Given series: 8, 4, 4, 6, 12, ?

The series follows this pattern:

$$8 \times 0.5 = 4$$

$$4 \times 1 = 4$$

$$4 \times 1.5 = 6$$

$$6 \times 2 = 12$$

$$12 \times 2.5 = 30$$

So, the next term in the series is **30**.

Question 7 :

Three of the given four figures are similar in a certain manner while one is different. Select the odd one.

Difficulty : Moderate

Average Time : 43 Seconds

Options :



Solution :



The correct answer is **option 4** i.e.

The logic used here is:

The number of straight lines outside the central figure = Number of sides of the central figure

In option 4, there are three straight lines and the central figure is a circle. This does not follow the logic.

Hence, **option 4** is the odd one out.



Question 8 :

What does the government do in a contractionary fiscal policy for lowering inflation?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. Reduce the quantum of money by decreasing taxes and increasing spending
2. Increase the quantum of money by raising taxes and reducing spending
3. Increase the quantum of money by decreasing taxes and increasing spending
4. Reduce the quantum of money by raising taxes and reducing spending

Solution :

The correct answer is **option 4** i.e. **Reduce the quantum of money by raising taxes and reducing spending.**

- Reduce the quantum of money by raising taxes and reducing spending
- In a contractionary fiscal policy for lowering inflation, the government takes measures to reduce the overall level of economic activity. This is achieved by increasing taxes, which reduces disposable income and decreases consumer spending.
- Additionally, the government reduces its own spending on various programs and projects. These actions collectively aim to decrease the demand in the economy, which helps to counteract inflationary pressures.

Question 9 :

Who among the following was the winner of the Grand Slam Boy's Singles title 2019?

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. Arthur Cazaux
2. Shintaro Mochizuki
3. Harold Mayot
4. Carlos Gimeno

Solution :

The correct answer is **option 2** i.e. **Shintaro Mochizuki.**

- The winner of the Grand Slam Boy's Singles title in 2019 was Shintaro Mochizuki.
- He won the Wimbledon Boys' Singles title in 2019.
- Shintaro Mochizuki is a Japanese tennis player who showcased his skills and emerged victorious at a young age in



one of the prestigious junior Grand Slam tournaments.

Question 10 :

As per the United Nations Data, in August 2020, India's population was equivalent to _____ of the total world population.

Difficulty : Moderate**Average Time : 49 Seconds****Options :**

1. 10.2%
2. 12.4%
3. 19.4%
4. 17.7%

Solution :

The correct answer is **option 4** i.e. **17.7%**

- As of August 2020, India's population was approximately 17.7% of the total world population, according to United Nations data.
- This means that about 1 in 6 people globally lived in India at that time, making it one of the most populous countries in the world.

Question 11 :

What is the chemical name of the common kitchen ingredient named 'Baking Soda'?

Difficulty : Moderate**Average Time : 43 Seconds****Options :**

1. Sodium Bicarbonate
2. Sodium Hydroxide
3. Sodium Hypochlorite
4. Sodium Peroxide

Solution :

The correct answer is **option 1** i.e. **Sodium Bicarbonate**.

- The chemical name of the common kitchen ingredient "Baking Soda" is sodium bicarbonate (NaHCO_3).
- It is a white crystalline powder that is commonly used in baking as a leavening agent to help dough rise. When heated, it releases carbon dioxide gas, which causes the dough to expand and become lighter.



Apart from its culinary uses, baking soda also has various household and cleaning applications due to its mild abrasive and odor-neutralizing properties.

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Question 12 :

Which schedule of the Constitution of India has provisions which apply to the administration of the tribal areas in the states of Assam, Meghalaya, Tripura and Mizoram?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 10th
2. 4th
3. 8th
4. 6th

Solution :

The correct answer is **option 4** i.e. **6th**.

- The Sixth Schedule of the Constitution of India has provisions that apply to the administration of the tribal areas in the states of Assam, Meghalaya, Tripura, and Mizoram.
- The Sixth Schedule outlines special provisions for the administration of these areas to safeguard the interests and culture of the tribal communities residing there.
- It grants these areas a degree of autonomy through the formation of autonomous district councils and regional councils.

Question 13 :

Which of the following dance forms has been included in the UNESCO Heritage Dances in the year 2010?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Paika dance
2. Chau dance
3. Agni dance
4. Mundari dance

Solution :



The correct answer is **option 2** i.e. **Chau dance**.

- The dance form that was included in the UNESCO Intangible Cultural Heritage list in the year 2010 is Chau Dance.
- Chau dance is a traditional dance form practiced in the Indian states of Odisha, West Bengal, and Jharkhand.
- It is characterized by its intricate masks, martial movements, and vibrant performances that depict mythological stories and cultural themes.

Question 14 :

Along which river bank among the following did the ancient city of Madurai, the capital of Pandya Kingdom, exist?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Brahmaputra
2. Ganga
3. Godavari
4. Vaigai

Solution :

The correct answer is **option 4** i.e. **Vaigai**.

- The ancient city of Madurai, the capital of the Pandya Kingdom, existed along the Vaigai River bank. The Vaigai River flows through the city of Madurai in the state of Tamil Nadu, India.
- The river played a significant role in the city's development and sustenance, providing water for various activities, including agriculture and trade.
- Madurai is known for its rich history, culture, and architecture, and it has been an important center for trade and learning for centuries.

Question 15 :

Which constitutional amendment deals with reservation of seats in educational institutes and of appointments or posts in the services under a state, for backward classes, scheduled castes and scheduled tribes?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 69
2. 62
3. 76

73

Solution :

The correct answer is **option 3** i.e. **76**.

- The constitutional amendment that deals with reservation of seats in educational institutes and of appointments or posts in the services under a state for backward classes, scheduled castes, and scheduled tribes is Constitutional Amendment 76th Amendment.
- This amendment introduced Clause (4A) in Article 15 and Clause (4B) in Article 16 of the Indian Constitution, providing for reservation in promotions for Scheduled Castes and Scheduled Tribes in public employment.

Question 16 :

In which year was the Central Sanskrit Universities Act passed?

Difficulty : Moderate**Average Time : 48 Seconds****Options :**

1. 2014
2. 2019
3. 2020
4. 2016

Solution :

The correct answer is **option 3** i.e. **2020**.

- The Central Sanskrit Universities Act was passed in the year 2020. This act aimed to establish and incorporate universities for teaching and research in Sanskrit and related subjects at a central level in India.
- It was introduced to promote and preserve the ancient language and its various aspects of knowledge and culture.
- The act's passage marked a significant step in advancing Sanskrit education and research in the country.

Question 17 :

Which of the following is NOT a quality of bases?

Difficulty : Moderate**Average Time : 49 Seconds****Options :**

1. Bases don't change the colour of litmus
2. Feels slippery or soapy



Their aqueous (water) solutions conduct an electric current

4. Tastes sweet

Solution :

The correct answer is **option 4** i.e. **Tastes sweet**.

- Tastes sweet" is NOT a quality of bases. Bases typically have a bitter taste, not a sweet one.
 - The other qualities listed are accurate characteristics of bases:
 - They don't change the color of litmus paper to red (instead, it turns blue),
 - They feel slippery or soapy to the touch, and their aqueous solutions conduct electric current due to the presence of ions.

Question 18 :

'Ghaggar and Banas' are rivers that feed the state of _____.

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Gujarat
2. Orissa
3. Punjab
4. Rajasthan

Solution :

The correct answer is **option 4** i.e. **Rajasthan**.

- Ghaggar and Banas are rivers that feed the state of Rajasthan in northern India. These rivers play a vital role in providing water for agricultural and other activities in the region.
- The Ghaggar river, also known as the Ghaggar-Hakra River, is an intermittent river that flows through the northern part of Rajasthan.
- The Banas river, on the other hand, is a perennial river that originates in the Aravalli Range and passes through several districts of Rajasthan, contributing to the state's water resources and irrigation systems.

Question 19 :

What kind of light/signal can the bees see that is used by the flowers to attract pollinators?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

Infrared

2. Gamma Rays

3. Ultraviolet

4. Radio Waves

Solution :

The correct answer is **option 3** i.e. **Ultraviolet**.

- Bees are most sensitive to ultraviolet (UV) light, which humans can't see.
- Flowers often have UV patterns that guide bees to their nectar and pollen, serving as signals to attract pollinators.
- These patterns help bees locate the flowers and efficiently gather food.

Question 20 :

Who among the following is the author of the book 'The Longest Race'?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Salman Rushdie
2. Tom Alter
3. Ruskin Bond
4. Nasser Hussain

Solution :

The correct answer is **option 2** i.e. **Tom Alter**.

- Tom Alter is the author of the book 'The Longest Race'.
- The Longest Race is his urgent exploration of the connection between individual endurance and sustainable society.
- The Longest Race begins at the starting line of the 2001 JFK 50 Mile the nation's oldest and largest ultramarathon and, like other such races, an epic test of human limits and aspiration.
- At age sixty, his sights set on breaking the age-division record, Ayres embarks on a course over the rocky ridge of the Appalachian Trail, along the headwind-buffed towpath of the Potomac River, and past momentous Civil War sites such as Harpers Ferry and Antietam.

Question 21 :

Which crop has got the highest increase in Minimum Support Price (MSP) proposed by the Cabinet Committee on Economic Affairs (CCEA) for the marketing season 2020-21?



Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. Sesamum
2. Cotton
3. Urad
4. Niger seed

Solution :

The correct answer is **option 4** i.e. **Niger seed**.

- For the marketing season 2020-21, the crop "Niger seed" received the highest increase in Minimum Support Price (MSP) proposed by the Cabinet Committee on Economic Affairs (CCEA).
- This increase in MSP aimed to provide better remuneration to farmers growing Niger seed, which is primarily used for oil extraction and is known for its nutritional value and oil content.
- The decision to raise the MSP for Niger seed was likely influenced by factors such as market demand, production costs, and the need to support the livelihoods of farmers engaged in its cultivation.

Question 22 :

In which state of India is the 'Siang River Festival' celebrated?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Madhya Pradesh
2. Arunachal Pradesh
3. Uttar Pradesh
4. Himachal Pradesh

Solution :

The correct answer is **option 2** i.e. **Arunachal Pradesh**.

- The 'Siang River Festival' is celebrated in the state of Arunachal Pradesh, India. Arunachal Pradesh is located in the northeastern part of the country and is known for its rich cultural diversity and stunning natural landscapes.
- The Siang River, also known as the Brahmaputra River in its upper reaches, flows through the state, and the festival is held to celebrate the cultural heritage and traditions of the local communities residing along the riverbanks.
- The festival typically includes various cultural performances, traditional sports, adventure activities, and showcases



the region's unique cultural identity and natural beauty.

Question 23 :

In which state in India will you find the 'Jamrai Tlang' mountains?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Tripura
2. Assam
3. Bihar
4. Sikkim

Solution :

The correct answer is **option 1** i.e. **Tripura**.

- The 'Jamrai Tlang' mountains are located in the state of Tripura, India.
- Tripura is a northeastern state known for its hilly terrain and lush landscapes.
- The 'Jamrai Tlang' mountains contribute to the state's natural beauty and are a part of the picturesque landscape that makes Tripura unique in terms of its geographical features and biodiversity.

Question 24 :

What is the amount of capital infusion proposed by the Budget 2020 into public sector banks?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. ₹,11.5 lakh crore
2. ₹,13.5 lakh crore
3. ₹,12 lakh crore
4. ₹,14 lakh crore

Solution :

The correct answer is **option 2** i.e. **₹,13.5 lakh crore**.

- The Government infused ₹,13,10,997 crore to recapitalise banks during the last five financial years i.e., from 2016-17 to 2020-21, out of which ₹,134,997 crore were sourced through budgetary allocation and ₹,12,76,000 crore through issuance of recapitalisation bonds to these banks

This capital infusion was aimed at strengthening the financial health and stability of these banks, allowing them to better handle bad loans, support lending activities, and contribute to economic growth.

- The capital injection was part of the government's ongoing efforts to reform the banking sector and improve credit availability to various sectors of the economy.
- It aimed to address the issue of non-performing assets and enhance the overall performance of public sector banks.

Question 25 :

Which one of the following was the first Indian state to achieve 100% sanitation in rural and urban households, schools, sanitary complexes and Aanganwadi centres in 2014?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. Kerala
2. Sikkim
3. Nagaland
4. Chhattisgarh

Solution :

The correct answer is **option 2** i.e. **Sikkim**.

- Sikkim was the first Indian state to achieve 100% sanitation in rural and urban households, schools, sanitary complexes, and Aanganwadi centers in 2014.
- This remarkable achievement was a result of the state's committed efforts towards improving sanitation and hygiene conditions for its residents.
- Sikkim's achievement was a significant milestone in the Swachh Bharat (Clean India) campaign, which aimed to promote cleanliness and eliminate open defecation across the country.
- Sikkim's success showcased the importance of community involvement, government initiatives, and effective implementation of sanitation programs in achieving such a feat.

Question 26 :

How many members represented the Indian Princely States in the Constituent Assembly in 1946?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. 81
2. 93

75

4. 62

Solution :

The correct answer is **option 2** i.e. **93**.

- The Indian Princely States were represented by 93 members in the Constituent Assembly in 1946.
- These members were chosen to represent the interests of the various princely states, which were semi-autonomous territories within India.
- The number of members from the princely states was eventually reduced as more states acceded to the newly independent India, and the assembly's composition evolved over time.
- The Constituent Assembly played a crucial role in drafting and adopting the Constitution of India, which laid the foundation for the nation's democratic framework.

Question 27 :

..... was a teen freedom fighter from Assam who laid down her life during the Indian Freedom Movement.

Difficulty : Moderate**Average Time : 56 Seconds****Options :**

1. Kamaladevi Chattopadhyaya
2. Matangini Hazra
3. Moolmati
4. Kanaklata Barua

Solution :

The correct answer is **Option 4** i.e. **Kanaklata Barua**

- Kanaklata Barua was a teen freedom fighter from Assam who laid down her life during the Indian Freedom Movement.
- She was a brave activist who participated in the Quit India Movement and was tragically killed in 1942 while attempting to hoist the Indian tricolor in front of the police station in Gohpur, Assam, during a protest.
- Her sacrifice and dedication to the cause of freedom continue to inspire generations.

Question 28 :

How many Indian photo journalists have been awarded the 2020 Pulitzer Prize in the feature photography category?

Difficulty : Moderate**Average Time : 53 Seconds****Options :**



Two

2. Five

3. Four

4. Three

Solution :

The correct answer is **option 4** i.e. **Three**.

- In 2020, three Indian photojournalists, Dar Yasin and Mukhtar Khan, along with Channi Anand, were awarded the Pulitzer Prize in the Feature Photography category.
- They received this prestigious recognition for their impactful and courageous portrayal of the Kashmiri people's challenges and experiences amidst the region's political upheaval.
- Their powerful images provided a vivid insight into the complex realities of the conflict-ridden area. This recognition highlighted the significant role photojournalism plays in conveying important stories and perspectives to a global audience.

Question 29 :

In wetland farming, the rainfall is in _____ soil moisture requirement of plants during rainy season.

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. **excess of**
2. inverse of
3. lesser to
4. same to

Solution :

The correct answer is **option 1** i.e. **excess of**.

- In wetland farming, the rainfall is in excess of soil moisture requirement of plants during rainy season.
- In wetland farming, the rainfall serves as a critical factor in meeting the soil moisture requirement of plants during the rainy season.
- Wetland farming, also known as paddy cultivation or rice farming, takes advantage of the natural or artificially flooded conditions to create an ideal environment for rice and other crops that thrive in waterlogged soils.
- The rainfall contributes significantly to maintaining the proper water levels needed for the plants to grow optimally.

Question 30 :



Which of the following is a 'rain fed' river?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Sindhu
2. Ganga
3. Periyar
4. Yamuna

Solution :

The correct answer is **option 3** i.e. **Periyar**.

- The Periyar is a 'rain-fed' river. Rain-fed rivers, like the Periyar, rely primarily on rainfall and runoff from their surrounding areas to maintain their water flow.
- The Periyar River flows through the Indian state of Kerala and plays a crucial role in the region's ecology and water supply.
- It originates in the Western Ghats and flows westward into the Arabian Sea.
- The river's water levels can vary significantly based on the monsoon rains, making it an important natural resource for the local communities and ecosystems.

Question 31 :

Which Sikh Guru closed the practice of nominating a religious head?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Guru Tegh Bahadur
2. Guru Gobind Singh
3. Guru Arjan Dev
4. Guru Sri Har Rai

Solution :

The correct answer is **option 2** i.e. **Guru Gobind Singh**.

- Guru Gobind Singh closed the practice of nominating a religious head.
- He is known for his significant contributions to the Sikh religion, including the introduction of the turban to cover hair.
- He also founded the principles of Khalsa or the Five 'K's'.



He also laid down many other rules for the Khalsa warriors to follow like abstaining from tobacco, alcohol, halal meat, etc. The Khalsa warrior was also duty-bound to protect innocent people from persecution.

- He named Guru Granth Sahib, the religious text of the Khalsa and the Sikhs, as the next Guru of the two communities.

Question 32 :

'Damane' and 'Hulki' are popular traditional musical instruments from the state of _____.

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. Gujarat
2. Himachal Pradesh
3. Haryana
4. Rajasthan

Solution :

The correct answer is **option 2** i.e. **Himachal Pradesh**.

- 'Damane' and 'Hulki' are popular traditional musical instruments from the state of Himachal Pradesh.
- Deo Khel and Hulki Dance is a religious dance.
- It is believed that the dancer known as the Gur enters a state of trance.
- Once the Gur starts dancing, he leads a procession through the city.
- The palanquin of the deity is followed by the locals.

Question 33 :

What was the percentage of land revenue taken as tax in 'Sardeshmukhi' in the Maratha Empire?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 1-2 per cent
2. 40-50 per cent
3. 25-30 per cent
4. 9-10 per cent

Solution :

The correct answer is **option 4** i.e. **9-10 per cent**.



- Sardeshmukhi was an additional levy of ten percent on those lands which the Marathas claimed hereditary rights.
- 9-10 percent of land revenue taken as tax in 'Sardeshmukhi' in the Maratha Empire.
 - The revenue system of Shivaji was based on that of Malik Amber of Ahmadnagar. Lands were measured by using the measuring rod called kathi.

Question 34 :

Which one of the following terms was unveiled by the Economic Survey of India 2020 meaning a study of what a common person pays for a food platter across India?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. **Thalinomics**
2. Thalism
3. Thalitus
4. Thalimania

Solution :

The correct answer is **option 1** i.e. **Thalinomics**.

- The term "Thalinomics" was unveiled by the Economic Survey of India 2020.
- It refers to the study of what a common person pays for a food platter (thali) across different states in India.
- Thalinomics aims to provide insights into food affordability, consumption patterns, and economic conditions in various regions of the country.

Question 35 :

In which year was the Farmers (Empowerment and Protection) Agreement on Price Assurance and Farm Services Ordinance passed?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 2017
2. 2014
3. 2016
4. **2020**

Solution :



The correct answer is **option 4** i.e. **2020**.

- The Farmers (Empowerment and Protection) Agreement on Price Assurance and Farm Services Ordinance was passed in the year 2020.
- The ordinance was one of the three agricultural ordinances introduced by the Government of India in June 2020, which later led to widespread protests and discussions among farmers and various stakeholders.

Question 36 :

Which state of India is the first one to launch the 'Garbage Café'?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Maharashtra
2. Gujarat
3. Chhattisgarh
4. Madhya Pradesh

Solution :

The correct answer is **option 3** i.e. **Chhattisgarh**.

- Chhattisgarh, a state in India, was the first to launch the 'Garbage Café' initiative.
- This unique concept involves providing meals to people in exchange for plastic waste, promoting both waste management and addressing food security concerns.
- It encouraged waste management and environmental consciousness while addressing the issue of hunger.

Question 37 :

Which Indian state is the home of Janapada Geete, a folk music genre that includes the vachanas of Basavanna?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Goa
2. Telangana
3. Karnataka
4. Kerala

Solution :



The correct answer is **option 3** i.e. **Karnataka**.

- Janapada Geete, which includes the vachanas of Basavanna, is folk music from the Indian state of Karnataka.
- Vachanas are a form of rhythmic and philosophical poetry written in Kannada language by the 12th-century philosopher and social reformer Basavanna and his followers.
- These vachanas hold spiritual and social significance and are often sung in the form of Janapada Geete (folk songs) in various cultural and religious contexts.

Question 38 :

Which of the following was the last dynasty to rule over Gujarat before it passed on to the hands of Ala-ud-din Khilji, Sultan of Delhi?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. **Vaghela Dynasty**
2. Gaikwad Dynasty
3. Rathode Dynasty
4. Rathode Dynasty

Solution :

The correct answer is **option 1** i.e. **Vaghela Dynasty**.

- The last dynasty to rule over Gujarat before it passed into the hands of Ala-ud-din Khilji, Sultan of Delhi, was the Vaghela dynasty.
- The Vaghela dynasty ruled Gujarat during the 13th century, and its last ruler was Karan Ghelo.
- After his defeat, Gujarat came under the control of the Delhi Sultanate.

Question 39 :

Which Indian among the following was acknowledged as one of the 100 great astrologers in the last 1000 years by the Millennium Book of Prophecy?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. P Khurrana
2. Ajai Bhambi
3. KN Rao



Bejan Daruwalla

Solution :

The correct answer is **option 4** i.e. **Bejan Daruwalla**.

- The Indian astrologer acknowledged as one of the 100 great astrologers in the last 1000 years by the Millennium Book of Prophecy is Bejan Daruwalla.
- He was a renowned astrologer and columnist known for his astrological predictions and advice.
- Bejan Daruwalla gained popularity for his astrology-related publications and consultations.

Question 40 :

India is the _____ most vulnerable country to climate change, according to a report of German watch in the Climate Risk Index 2020.

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Ninth
2. Seventh
3. Fifth
4. Third

Solution :

The correct answer is **option 3** i.e. **Fifth**.

- India is the fifth most vulnerable country to climate change, according to a report of German watch in the Climate Risk Index 2020.
- According to the Index floods caused by heavy rain in 2019 took 1,800 lives across 14 states in India and displaced 1.8 million people.

Question 41 :

Which of the following states accorded industry status to sports in May 2020?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Goa
2. Haryana



Mizoram

4. Manipur

Solution :

The correct answer is **option 3** i.e. **Mizoram**.

- In May 2020, the state of Mizoram in India accorded industry status to sports.
- This step was aimed at promoting sports as an industry, attracting investments, and facilitating the growth of sports infrastructure and talent development within the state.

Question 42 :

Which state among the following had the highest membership in the Constituent Assembly of India as on 31 December 1947?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. East Punjab
2. Madras
3. United Provinces
4. Bombay

Solution :

The correct answer is **option 3** i.e. **United Provinces**.

- As of 31 December 1947, the United Provinces (now Uttar Pradesh) held the highest membership in the Constituent Assembly of India.
- This state's substantial representation was due to its large population and significant political significance during the freedom struggle.
- Uttar Pradesh contributed diverse perspectives and played a crucial role in shaping India's Constitution. Many prominent leaders, including Jawaharlal Nehru, BR Ambedkar, and Sardar Patel, were associated with the state.
- The high representation from Uttar Pradesh ensured that its regional concerns and aspirations were considered in the constitutional discussions, reflecting the democratic spirit of India's inclusive nation-building process

Question 43 :

In which year was the National Rural Drinking Water Programme (NRDWP) launched by the Government of India?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

2011

2. 2001

3. 2009

4. 2003

Solution :

The correct answer is **option 3** i.e. **2009**.

- The National Rural Drinking Water Programme (NRDWP) was launched by the Government of India in the year 2009.
- It aims to provide safe and adequate drinking water to rural communities across the country, focusing on sustainability, water quality, and community involvement.

Question 44 :

In which of the following places in Orissa will you find the cave architecture of the prehistoric times?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Sisupalgarh
2. Barbil
3. Baripada
4. Jatni

Solution :

The correct answer is **option 1** i.e. **Sisupalgarh**.

- Sisupalgarh is an ancient fortified city near Bhubaneswar, Odisha, dating back to the 3rd century BCE.
- It is known for its urban planning and defensive structures, rather than cave architecture.
- Example of prehistoric cave architecture in Odisha are Udayagiri and Khandagiri caves which are the appropriate sites to visit.

Question 45 :

Where is the IPL 2020 taking place between 19 September and 10 November 2020?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

UAE

2. Bangladesh
3. Sri Lanka
4. Egypt

Solution :

The correct answer is **option 1** i.e. **UAE**.

- The Indian Premier League (IPL) 2020 took place in the United Arab Emirates (UAE) between September 19 and November 10, 2020.
- The tournament was moved to the UAE due to the COVID-19 pandemic and the associated travel and safety restrictions in India.
- Matches were played in three venues: Dubai, Abu Dhabi, and Sharjah.

Question 46 :

Who is the author of the book 'The Inheritance of Loss'?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Kiran Desai
2. Nayantara Sahgal
3. Jhumpa Lahiri
4. Anita Nair

Solution :

The correct answer is **option 1** i.e. **Kiran Desai**.

- The author of the book 'The Inheritance of Loss' is Kiran Desai.
- The novel, published in 2006, won the Man Booker Prize for Fiction in the same year.
- Here are two important points from the book:
 - Cultural Identity and Displacement
 - Postcolonialism and Globalization

Question 47 :

Who among the following headed the 'Fundamental Rights Sub-Committee' in the Constituent Assembly in 1946?

Difficulty : Moderate

Average Time : 47 Seconds



Options :

1. JB Kripalani
2. Gopinath Bordoloi
3. KM Muni
4. GV Mavalankar

Solution :

The correct answer is **Option 1** i.e. **JB Kripalani**

- JB Kripalani headed the 'Fundamental Rights Sub-Committee' in the Constituent Assembly in 1946.
- The Constituent Assembly of India was elected to write the Constitution of India.
- It was elected by the 'Provincial Assembly'.
- In 1946, the Constituent Assembly met for the first time in New Delhi in the Constitution Hall which is currently known as the Central Hall of Parliament House.
- The Constitution of India was drafted by several eminent people in various fields.
- Jivatram Bhagwandas Kripalani (11 November 1888 – 19 March 1982), popularly known as Acharya Kripalani.
- He was an Indian politician, noted particularly for holding the presidency of the Indian National Congress during the transfer of power in 1947.

Question 48 :

_____ refers to the use of procedures like selective breeding and forced sterilisation in an attempt to improve the genetic purity of the human race.

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. Phylogenetics
2. Retro genes
3. Eugenics
4. Spermatogenesis

Solution :

The correct answer is **option 3** i.e. **Eugenics**.

- Eugenics refers to the use of procedures like selective breeding and forced sterilization in an attempt to improve the genetic purity of the human race.
- Eugenics is a controversial and ethically problematic concept that gained prominence during the late 19th and early



20th centuries.

- It involves the application of selective breeding and other measures to control human reproduction with the goal of improving the genetic quality of the population.
- Eugenics was influenced by ideas from genetics, evolutionary theory, and social theories of the time.
- There are two main branches of eugenics:
 - 1. Positive Eugenics
 - 2. Negative Eugenics

Question 49 :

What is the proposed foreign portfolio investor (FPI) limits in corporate bonds as per Budget 2020?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. 11 per cent of outstanding stocks
2. 9 per cent of outstanding stocks
3. 12 per cent of outstanding stocks
4. 15 per cent of outstanding stocks

Solution :

The correct answer is **option 4** i.e. **15 per cent of outstanding stocks**

- The proposed foreign portfolio investor (FPI) limits in corporate bonds as per Budget 2020 were increased to 15% of outstanding stock for all sectors.
- The move was aimed at providing greater flexibility to foreign investors and increasing their participation in the Indian debt market.
- By allowing higher investment limits, the Indian government sought to make the market more attractive and accessible to international investors, potentially leading to increased capital inflows and liquidity.

Question 50 :

The 'Modhera Dance Festival' held every year during the third week of January belongs to the state of _____.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Punjab
2. Rajasthan
3. Madhya Pradesh



Gujarat

Solution :

The correct answer is **option 4** i.e. **Gujarat**.

- The 'Modhera Dance Festival' is held every year during the third week of January in the state of Gujarat, India.
- It takes place in the town of Modhera and is renowned for its celebration of classical Indian dance forms against the backdrop of the stunning Sun Temple.
- The festival is dedicated to promoting and showcasing various classical dance forms, such as Bharatanatyam, Kathak, Odissi, and more.
- The Sun Temple, an architectural marvel, provides a mesmerizing setting for these performances, attracting both art enthusiasts and tourists to experience the rich cultural heritage of the state.

Question 51 :

In which state will you find a monument called 'Teen Darwaza'?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Gujarat
2. Uttar Pradesh
3. Rajasthan
4. Punjab

Solution :

The correct answer is **option 1** i.e. **Gujarat**.

- The monument called 'Teen Darwaza' is located in the state of Gujarat, India.
- It is situated in the city of Ahmedabad and is a historic gateway that dates back to the 15th century.
- The name 'Teen Darwaza' translates to 'Three Gates' and it is a significant architectural and historical landmark in the region.
- It was built during the reign of Sultan Ahmad Shah I of the Gujarat Sultanate and serves as an entrance to the Bhadra Fort.
- The monument is known for its intricate designs and architectural beauty.

Question 52 :

What is the number of days required for registering a property in Mumbai as per the Economic Survey 2020?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 71
2. 85
3. 76
4. 68

Solution :

The correct answer is **option 4** i.e. **68**

- 68 is the number of days required for registering a property in Mumbai as per the Economic Survey 2020.
- Registering property in Delhi and Mumbai takes 49 and 68 days, respectively, while it takes 9 days in China and 3.5 days in New Zealand.

Question 53 :

In which year did the last king of Punjab Maharaja Duleep Singh ascend on the throne of Punjab at 10 years of age?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 1824
2. 1849
3. 1836
4. 1852

Solution :

The correct answer is **option 2** i.e. **1849**

- In the year 1849, the last king of Punjab Maharaja Duleep Singh ascend the throne of Punjab at 10 years of age.
- After the close of the Second Anglo-Sikh War and the subsequent annexation of Punjab on 29 March 1849, he was deposed at the age of ten and was put into the care of Dr. John Login and sent from Lahore to Fatehgarh on 21 December 1849, with tight restrictions on who he was allowed to meet.

Question 54 :

Which of the following politicians of the United Kingdom with Indian roots was appointed UK's Chancellor of the Exchequer in February 2020?

Difficulty : Moderate

Average Time : 53 Seconds

Options :



Navendu Mishra

2. Priti Patel

3. Rishi Sunak

4. Alok Sharma

Solution :

The correct answer is **option 3** i.e. **Rishi Sunak**.

- Rishi Sunak, a British politician of Indian descent, was appointed as the Chancellor of the Exchequer in the United Kingdom in February 2020. He succeeded Sajid Javid in this role.
- Sunak's appointment as Chancellor was notable due to his rapid rise in politics and his position as one of the few politicians of Indian heritage to hold such a high-ranking position in the UK government.

Question 55 :

During which times did the Bhakti and Sufi movements take place in India?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Medieval times
2. Modern times
3. Ancient times
4. Postmodern times

Solution :

The correct answer is **option 1** i.e. **Medieval times**

- The Bhakti movement in India occurred between the 7th and 17th centuries, while the Sufi movement took place roughly between the 8th and 18th centuries.
- Both movements emphasized devotion and spirituality within their respective religious contexts.
- Medieval times the bhakti and sufi movement took place in india.

Question 56 :

What is India's rank in the FIFA Football ranking among Asian countries in December 2019?

Difficulty : Moderate

Average Time : 47 Seconds

Options :



Twenty-first

2. Nineteenth

3. Thirtieth

4. Fifteenth

Solution :

The correct answer is **option 2** i.e. **Nineteenth**

- India is ranked nineteenth in the FIFA Football ranking among Asian countries in December 2019.
- The Indian men's football team remained static at 108th spot in the year-ending FIFA rankings.
- In the Asian rankings, Japan is followed by Iran (33), Korea (40), Australia (42), and continental champion Qatar (55).

Question 57 :

Who among the following was the first Indian to be elected the President of the International Hockey Federation in 2016?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Mushtaque Ahmad
2. Pravin Mahajan
3. Narinder Batra
4. Praful Patel

Solution :

The correct answer is **option 3** i.e. **Narinder Batra**

- Narinder Dhruv Batra was the first Indian to be elected as the President of the International Hockey Federation (FIH) in 2016.
- He played a significant role in the world of hockey administration and contributed to the development and promotion of the sport globally.

Question 58 :

Which number will replace the question mark (?) in the following series? 255, 130, ?, 167, 175, 174

Difficulty : Moderate

Average Time : 45 Seconds

Options :

194

2. 188

3. 157

4. 161

Solution :

The correct answer is **option 1** i.e. **194**.

Given series: 255, 130, ?, 167, 175, 174

The series follows this pattern:

$$255 - 5^3 = 255 - 125 = 130$$

$$130 - 4^3 = 130 - 64 = 66$$

$$66 - 3^3 = 66 - 27 = 39$$

$$39 - 2^3 = 39 - 8 = 31$$

$$31 - 1^3 = 31 - 1 = 30$$

So, the missing term in the series is **194**.

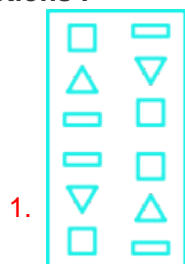
Question 59 :

A paper is folded and cut as shown below. How will it appear when unfolded?

Difficulty : Moderate

Average Time : 45 Seconds

Options :



2.

- | | |
|---|---|
| □ | □ |
| △ | △ |
| ▬ | ▬ |
| ▬ | ▬ |
| △ | △ |
| □ | □ |
- 3.

□	□
△	△
▬	▬
□	□
△	△
▬	▬
- 4.

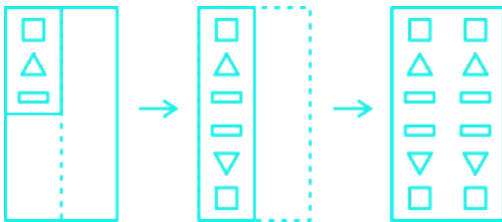
□	□
△	△
▬	▬
▬	▬
▽	▽
□	□

Solution :



The correct answer is **option 4** i.e.

After unfolding, the paper will appear as follows:



Question 60 :

Select the option that is related to the third word in the same way as the second word is related to the first word. Food: Energy:: Meditation:?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

- 1. Relaxation

Lawn

3. Teacher

4. Human Body

Solution :

The correct answer is **option 1** i.e. **Relaxation**

The logic used here is:

Food: Energy

Food gives us energy.

Similarly;

Meditation:?

Meditation gives us relaxation.

Hence, **option 1** is the correct answer.

Question 61 :

Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown below.

Difficulty : Moderate

Average Time : 44 Seconds

Options :

- 5 Q R C Σ
- 2 Q R C Z
- 2 Q R C Σ
- 2 Q R C Σ

Solution :

The correct answer is **option 4** i.e. 2 Q R C Σ.

The mirror image of the question figure is shown below:



Since the mirror is placed right to the question figure, the right-hand side of the original image will now be the left-hand side of the mirror image.

Hence, **option 4** is the correct answer.

Question 62 :

Select the option in which the figures share the same relationship as that shared by the given pair of figures.

Difficulty : Moderate

Average Time : 73 Seconds

Options :

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

Solution :



The correct answer is **option 2** i.e.

The logic used here is:

Logic between 1st figure and 2nd figure:

The square goes inside the circle and one line is added inside the square.

Similarly; the pattern will be followed by the 3rd figure and 4th figure.

The triangle goes inside the quadrilateral and one line is added inside the triangle.

The pattern is:



Question 63 :

Select the set of classes the relationship among which is best illustrated by the Venn diagram given below.

Difficulty : Moderate

Average Time : 77 Seconds

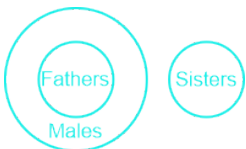
Options :

1. Females, Doctors, Nurses
2. Human Being, Males, Architects
3. Fathers, Males, Sisters
4. Giraffes, Kangaroos, Animals

Solution :

The correct answer is **option 3** i.e. **Fathers, Males, Sisters**.

The possible Venn diagram is:



All fathers are males. Sisters is a different class.

Hence, the diagram given above shows the best relationship between them.

Question 64 :

In the following Venn diagram, the 'hexagon' stands for 'police officers', the 'circle' stands for 'income taxpayers', and the 'square' stands for 'females'. The given numbers represent the number of persons in that particular category. How many female police officers are also income taxpayers?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 18
2. 8



9

4. 5

Solution :

The correct answer is **option 3** i.e. **9**.

The number of female police officers who are also income taxpayers = Number that is common to square, hexagon, and circle = 9

Question 65 :

Three of the following four-letter clusters are alike in a certain way and one is different. Pick the odd one out.

Difficulty : Moderate

Average Time : 38 Seconds

Options :

1. IFCZ
2. NKHE
3. DAXU
4. WTQM

**Solution :**

The correct answer is **option 4** i.e. **WTQM**.

The logic used here is:

1st letter - 3 = 2nd letter

2nd letter - 3 = 3rd letter

3rd letter - 3 = 4th letter

Option 1: IFCZ

I - 3 = F

F - 3 = C

C - 3 = Z

This follows the logic.

Option 2: NKHE



$$N - 3 = K$$

$$K - 3 = H$$

$$H - 3 = E$$

This follows the logic.

Option 3: DAXU

$$D - 3 = A$$

$$A - 3 = X$$

$$X - 3 = U$$

This follows the logic.

Option 4: WTQM

$$W - 3 = T$$

$$T - 3 = Q$$

$$Q - 3 = N$$

This does not follow the logic.

Hence, **option 4** is the odd one out.

Question 66 :

Study the given pattern carefully and select the number that can replace the question mark (?) in it. 11 25 196 18 28 100 ?
23 81

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. 16

2. 19

3. 14

4. 12

Solution :

The correct answer is **option 3** i.e. **14**.



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The logic used here is:

Row 1:

$$25 - 11 = 14$$

$$196 = 14$$

Row 2:

$$28 - 18 = 10$$

$$100 = 10$$

Row 3:

$$81 = 9$$

$$23 - a = 81$$

$$23 - a = 9$$

$$a = 14$$



Question 67 :

Select the option that is related to the third number in the same way as the second number is related to the first number.

14: 81:: 18:?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 289

2. 169

3. 136

4. 196

Solution :

The correct answer is **option 2** i.e. **169**.

The logic used here is:

$$14: 81$$

$$14 - 5 = 9$$

$$9^2 = 81$$

Similarly;

$$18 : ?$$

$$18 - 5 = 13$$

$$13^2 = 169$$

Hence, **option 2** is the correct answer.

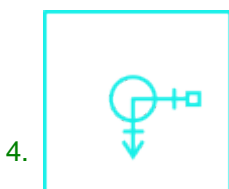
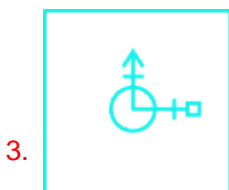
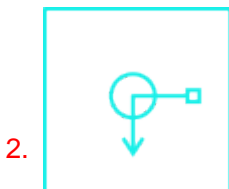
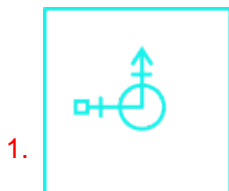
Question 68 :

Select the option that is related to the third figure in the same way as the second figure is related to the first figure.

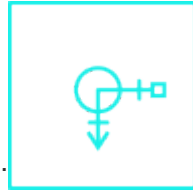
Difficulty : Moderate

Average Time : 44 Seconds

Options :



Solution :



The correct answer is **option 4** i.e.

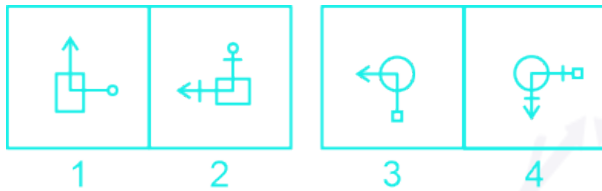
The logic used here is:

Logic between 1st figure and 2nd figure:

The figure is rotated by 90 degrees in the anticlockwise direction, and one line is added to each perpendicular line.

Similarly; the pattern will be followed by the 3rd figure and 4th figure.

The pattern is:



Question 69 :

Select the option figure that is NOT embedded in the figure (X) given below (rotation is NOT allowed).

Difficulty : Moderate

Average Time : 73 Seconds

Options :

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

Solution :



The correct answer is **option 2** i.e.

The figure in option 1 is embedded in the given figure, as shown below:



The figure in option 3 is embedded in the given figure, as shown below:



The figure in option 4 is embedded in the given figure, as shown below:



Hence, the given figure is not embedded in option 2.

Question 70 :

A cube is made by folding the given sheet. In the cube so formed, which number will be on the face opposite to the face having the number '5'?

Difficulty : Moderate

Average Time : 88 Seconds

Options :

1. 6
2. 1
3. 4
4. 3

Solution :



The correct answer is **option 3** i.e. **4**.

When the sheet is folded along the lines;

4 is opposite to 5.

2 is opposite to 1.

6 is opposite to 3.

Hence, **option 3** is the correct answer.

Question 71 :

A bicycle is sold at Rs. 53,760 with a profit of 12%. At what price did the seller buy the bicycle?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Rs. 44,000

2. Rs. 40,600

3. Rs. 48,000

4. Rs. 42,000

Solution :

The correct answer is **option 3** i.e. **Rs. 48,000**.

The selling price of the bicycle = Rs.53,760

Profit % = 12%

As,

$$\text{Profit\%} = ((S.P - C.P) \div C.P) \times 100$$
$$12 = ((53760 - C.P) \div C.P) \times 100$$
$$C.P = 48,000$$

Cost price of the circle = Rs.48,000

Question 72 :

Which two signs should be interchanged to make the given equation correct? $12 \div 6 + 24 \times 3 - 8 = 72$

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. \times and $-$
2. $-$ and $+$
3. \div and \times
4. $+$ and \div

Solution :

The correct answer is **option 3** i.e. \div and \times .

Given equation: $12 \div 6 + 24 \times 3 - 8 = 72$

Option 1: \times and $-$

After interchanging the expression becomes:

$$= 12 \div 6 + 24 - 3 \times 8 = 72$$

$$= 2 + 24 - 3 \times 8$$

$$= 2 + 24 - 24$$

$$= 2 \text{ is not equal to } 72.$$

Option 2: $-$ and $+$

After interchanging the expression becomes:

$$= 12 \div 6 - 24 \times 3 + 8 = 72$$

$$= 2 - 24 \times 3 + 8$$

$$= 2 - 72 + 8$$

$$= -62 \text{ is not equal to } 72.$$

Option 3: \div and \times

After interchanging the expression becomes:

$$= 12 \times 6 + 24 \div 3 - 8 = 72$$

$$= 72 + 24 \div 3 - 8$$

$$= 72 + 8 - 8$$

$$= 72 \text{ is equal to } 72.$$

As we have found our answer, there is no need to check further options.

Hence, **option 3** is the correct answer.

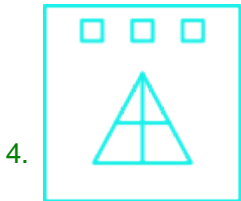
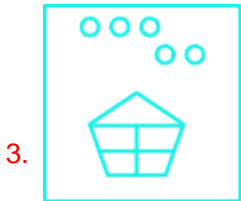
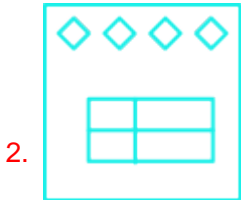
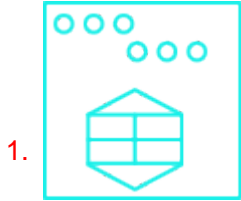
Question 73 :

Three of the given four figures are similar in a certain manner while one is different. Select the odd one.

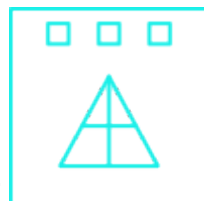
Difficulty : Moderate

Average Time : 78 Seconds

Options :



Solution :



The correct answer is **option 4** i.e.

The logic used here is:

Number of divisions of the central figure = Number of circles in the square

In option 4, the triangle is divided into 4 parts, so, there should be 4 circles. This does not follow the logic.

Hence, **option 4** is the odd one out.

Question 74 :

Select the figure that will replace the question mark (?) in the following figure series.

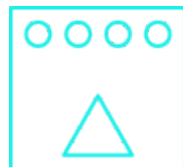
Difficulty : Moderate

Average Time : 67 Seconds

Options :

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

Solution :



The correct answer is **option 2** i.e.

The logic used here is:

1. The number of circles increases by one in the next figure.
2. The number of sides of the figure inside the square decreases by one in the next figure.

The image series:



Question 75 :

Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern.

Difficulty : Moderate

Average Time : 70 Seconds

Options :

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

Solution :



The correct answer is **option 1** i.e. .

The figure that will complete the pattern:



Question 76 :

In MS Word, which of the following keyboard shortcuts should be used to align a paragraph in the centre?



Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. Ctrl + J
2. Ctrl + C
3. Alt + C
4. Ctrl + E

Solution :

The correct answer is **option 4** i.e. **Ctrl + E**.

Ctrl + E: Used to align a paragraph in the centre.

Alt + C: Views the favorites in Internet Explorer.

Ctrl + J: Used to distribute contents evenly between margins.

Ctrl + C: Copy the selected content to the Clipboard.

Question 77 :

The length of the minute hand of a clock is 10.5 cm. What is the area (in cm²) swept by the minute hand in 10 minutes?
(Use $\pi = 22/7$)

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 60
2. 52.25
3. 50
4. 57.75

Solution :

The correct answer is **option 4** i.e. **57.75**

Given that

The length of minute hand of a clock (r) = 10.5 cm

As we know that



Angle made by minute hand of a clock in 60 min = 360°

In 10 min = 60°

According to the question

$$\begin{aligned}\text{Area swept by minute hand} &= \left\{ \frac{\text{Angle}}{360} \right\} \times \frac{22}{7} \times r^2 \\ &= \left(\frac{60^\circ}{360^\circ} \right) \times \frac{22}{7} \times (10.5)^2 \\ &= 57.75 \text{ cm}^2\end{aligned}$$

Question 78 :

The salary of a typist was at first raised by 20% and then it was reduced by 5%. He presently draws 17,100. What was his original salary (in Rs.)?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 12,500
2. 17,500
3. 16,000
4. 15,000

Solution :

The correct answer is **option 4** i.e. **15,000**

Let the original salary = X Rs

According to the question

Successive of 20 % raised and 5 % reduction

$$= 20 - 5 - \frac{100}{100} = 14 \% \text{ raised}$$

$$X \times \left(\frac{114}{100} \right) = 17100$$

$$X = 15000 \text{ Rs}$$

Question 79 :

A 5-m-deep cylindrical pit having a radius of 1.4 m is dug in a field. The earth so dug out is used to raise a platform of 10 m x 8 m. What is the height of the platform (in cm)? (Use $\pi = \frac{22}{7}$)

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 38.5
2. 7.7
3. 137.5
4. 30

Solution :

The correct answer is **option 1** i.e. **38.5**

Given that

The radius of the cylindrical pit (r) = 1.4 m

The deepness of cylindrical pit (h) = 5 m

Let height of platform = x m

According to the question

Volume of cylindrical pit = Volume of raised a platform

$$(22/7) \times r^2 \times h = 10 \times 8 \times x$$

$$(22/7) \times 1.4^2 \times 5 = 80 \times x$$

$$x = (22 \times 1.4) / 80 = 0.385 \text{ m} = 38.5 \text{ cm}$$

Question 80 :

An article is sold for 2796.875, after allowing two successive discounts of 15% and 25%. The cost price of the article is ₹11,000. If it is sold at the marked price, then what is the gain percentage?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 22.5 %
2. 20 %
3. 27.5 %
4. 25 %

Solution :

The correct answer is **option 4** i.e. **25 %**



Given that

$$SP = 796.875 \text{ Rs}$$

$$C.P = 1000 \text{ Rs}$$

According to the question

$$796.875 = M.P \times 0.85 \times 0.75$$

$$M.P = 796.875 / (0.85 \times 0.75)$$

$$M.P = 1250 \text{ Rs}$$

$$\text{Now, required \%} = [(1250 - 1000)/1000] \times 100$$

$$= 250/10 = 25\%$$

Question 81 :

There are 200 questions in a competitive examination. Savita answered 70% of the first 150 questions correctly. What percentage of the other 50 questions should she answer correctly for her grade in the entire exam to be 60%?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 30 %
2. 25 %
3. 35 %
4. 40 %

Solution :

The correct answer is **option 1** i.e. **30 %**

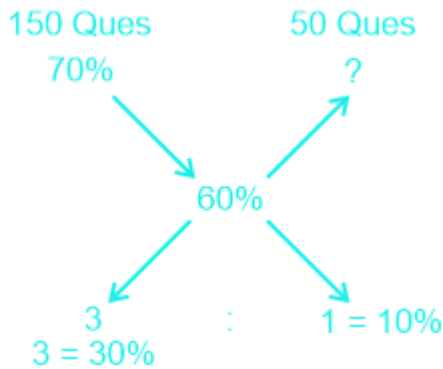
Given that

Savita answered 70% of the first 150 questions correctly

She answers correctly for her grade in the entire exam to be 60%

We use the allegation method in this type of question

We can see in the above method that



1 unit = 10%

then 3 unit = 30%

Hence, the other 50 questions should she answer correctly = $60\% - 30\% = 30\%$

Question 82 :

10 men can finish a piece of work in 10 days, whereas it takes 12 women to finish it in 10 days. If 8 men and 6 women undertake to complete the work, then in how many days will they complete it?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 8(9/13)
2. 6(9/13)
3. 5(9/13)
4. 7(9/13)

Solution :

The correct answer is **option 4** i.e. **7(9/13)**

According to the question

$$10 \text{ men} \times 10 = 12 \text{ women} \times 10$$

$$\text{Men} : \text{Women} = 6 : 5$$

Now,

$$(8 \text{ men} + 6 \text{ women}) \times d = \text{Total work} = 6 \times 10 \times 10 = 600$$

$$(8 \times 6 + 6 \times 5) \times d = 600$$



$$78 \times d = 600$$

$$d = 600/78 = 100/13 = 7(9/13) \text{ days}$$

Question 83 :

A positive number which when increased by 17 is equal to 84 times the reciprocal of the number. The number is:

Difficulty : Moderate**Average Time : 43 Seconds****Options :**

1. 4

2. 5

3. 6

4. 3

Solution :

The correct answer is **option 1** i.e. 4

Let a positive number = x

According to the question

$$x + 17 = (1/x) * 84$$

$$(84/x) - x = 17$$

Put x = 4 satisfies the equation

$$84/4 - 4 = 21 - 4 = 17$$

Hence, a positive number = 4

Question 84 :

A person invested one-third of his money at $3\frac{1}{2}\%$, one-fourth of his money at $7\frac{1}{2}\%$, and the remaining at 8% per annum simple interest. If his yearly simple interest is ₹11,479, then what is the sum invested (in ₹)?

Difficulty : Moderate**Average Time : 46 Seconds****Options :**

1. 22,300

2. 23,200



21,500

4. 24,500

Solution :

The correct answer is **option 2** i.e. **23,200**

Let the sum invested = 12

Formula used

S.I. = $(P \times R \times T)/100$, where P = Principal, R = Rate of Interest in % per annum, and T = Time

According to question

$$[12 * (1/3) * (7/2)\% * 1] + [12 * (1/4) * (15/2)\% * 1] + [5 * 8 * 1] = 1479$$

$$14\% + (45/2)\% + 40\% = 1479$$

$$153\% = 1479 * 2 = 2958$$

$$100\% = 2958 / 153$$

$$\text{Sum invested} = 2958 * 12 / 153 = 23200 \text{ Rs}$$

Question 85 :

Mrs. Sharma bought 7.35 m of fabric for her elder daughter, 6.75 m for the younger daughter, 8.57 m for her husband, and 7.83 m for herself. How much dress material (in m) did she bought in total?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 29.7

2. 30.5

3. 27

4. 32.5

Solution :

The correct answer is **option 2** i.e. **30.5**

According to the question

$$\text{Total dress material} = 7.35 + 6.75 + 8.57 + 7.83 = 30.50 \text{ m}$$

Question 86 :



A person spends ₹11,000 to buy some cupboards at 1,000 each and some chairs at 300 each. He purchased both the items. What is the ratio of the number of cupboards to that of the chairs when the maximum possible number of chairs are purchased?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. 1 : 10
2. 1 : 15
3. 2 : 5
4. 3 : 10

Solution :

The correct answer is **option 2** i.e. **1 : 15**

Let the number of cupboards = x

The number of chairs = y

When the number of chairs is greater than cupboards $y > x$

According to the question

$$1000x + 300y = 11000$$

$$\text{Put } x = 1$$

$$1000 * 1 + 300y = 11000$$

y is not an integer

$$\text{Now, put } x = 2$$

$$1000 * 2 + 300y = 11000$$

$$y = 30$$

Hence The required ratio = $2 : 30 = 1 : 15$

Question 87 :

A shopkeeper buys 50 kg of sugar from a dealer, keeps 5 kg for his own use, and tries to sell the rest at a certain fixed price. He sells 15 kg at that fixed price. Then, he offers a discount of 10% and sells 10 kg at this discounted price. Finally, he offers an additional 25% discount over the discounted price and manages to sell all the sugar he had left with him. He gets a total of Rs. 1,875 after selling the sugar and makes an overall profit of 20%. If he could have sold the entire 50 kg

sugar at its original fixed price without any discount, then what would have been his profit percentage?

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. 50 %
2. 65 %
3. 60 %
4. 45 %

Solution :

The correct answer is **option 3** i.e. **60 %**

Let C.P of sugar = 100 Units/ kg

According to the question

He sells 15 kg at that fixed price = 1500 units

He offers a discount of 10% and sells 10 kg at this discounted price = $10 * 90 = 900$ units

He offers an additional 25% discount over the discounted price sells remaining sugars = $20 * 67.5 = 1350$ units

Total S.P = $1500 + 900 + 1350 = 3750$ units

Which is equal to 1875 Rs

3750 units = 1875 Rs

100 units = 50 Rs

C.P of sugar is 50 Rs/kg

50 kg sugar sold at its original price then Price = $50 * 50 = 2500$ Rs

He gets a total of Rs. 1,875 after selling the sugar and makes an overall profit of 20%

= $1875 * (5/6) = 1562.5$ Rs

Then profit should be = $[(2500 - 1562.5) / 1562.5] * 100 = 60\%$

Question 88 :

A man decides to pave, with square tiles of the same size, the floor of his hall which is 4.83 metres long and 5.67 metres wide. What is the side of the largest possible tile (in cm)?



Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. 21
2. 42
3. 27
4. 23

Solution :

The correct answer is **option 1** i.e. 21

Given that

The length of the floor = 4.83 m = 483 cm

The breadth of the floor = 5.67 m = 567 cm

Largest possible side = HCF (483, 567)

$$483 = 3 \times 7 \times 23$$

$$567 = 3^4 \times 7$$

Hence, largest possible value of tiles = 21 cm

Question 89 :

In a class, there are 48 students (boys and girls). The average weight of 32 boys in the class is 50.25 kg and that of the girls is 45.15 kg. What is the average weight (in kg) of the class?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 48.55
2. 47.65
3. 49.67
4. 50.23

Solution :

The correct answer is **option 1** i.e. 48.55



Given that

The average weight of 32 boys = 50.25 kg

The sum of weight of 32 boys = $50.25 * 32 = 1608$ kg

The average weight of $(48 - 32 = 16)$ girls = 45.15 kg

The sum of the weight of 16 girls = $45.15 * 16 = 722.4$ kg

Now, the average weight (in kg) of the class = $(1608 + 722.4)/48 = 48.55$ kg

Question 90 :

What will be the amount after 2 years, if a sum of Rs. 2,200 is invested at 12% per annum compound interest, compounded half-yearly (correct to two decimal places)?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Rs. 2,766.18
2. Rs. 2,733.45
3. Rs. 2777.45
4. Rs. 2,755.76

Solution :

The correct answer is **option 3** i.e. **Rs. 2777.45**

Given that

Compounded half yearly

Principal amount = 2200 Rs

Rate of interest = $12/2 = 6\%$ per annum

Time = $2 * 2 = 4$ years

Formula used $A = P(1 + R/100)^T$

$$A = 2200 * (1 + 6/100)^4$$

$$A = 2777.45 \text{ Rs}$$

Question 91 :

A car runs for 11 hours. For the first 100 km, the car runs with a certain speed and then it increases its speed by 15 km/h



to cover the remaining 280 km. How much time (in hours) does it take to cover the first 100 km?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 5

2. 7

3. 3

4. 4

Solution :

The correct answer is **option 4** i.e. **4**

Let for the first 100 km speed of car = x km/h

According to the question

$$(100/x) + (280/(x + 15)) = 11$$

By hit and trial method use

Put x = 25

$$(100/ 25) + (280/ 40) = 4 + 7 = 11$$

It satisfied the equation x = 25 km/h

Hence, time to cover first 100 km = $100/25 = 4$ hours

Question 92 :

What is the default horizontal alignment of text in the cell of an MS Excel worksheet?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Right

2. Centre

3. Left

4. Top

Solution :



The correct answer is **option 3** i.e. **Left**.

The default horizontal alignment of text in the cell of an MS Excel worksheet is left.

Left alignment shortcut: Alt + H then A + L

Right alignment shortcut: Alt + H then A + R

Centre alignment shortcut: Alt + H then A + C

Top alignment shortcut: Alt + H then A + T

Alt + H activates the home tab.

Question 93 :

What will be the result of the given MS Excel formula? = 4 ^ 2 ^ 3

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 8
2. 4096
3. 6561
4. 24

Solution :

The correct answer is **option 2** i.e. **4096**.

Given formula: = 4 ^ 2 ^ 3

$$4 ^ 2 = 4 \times 4 = 16$$

$$16 ^ 3 = 16 \times 16 \times 16 = 4096$$

In Excel, ^ means to the power. Can find it in the Formula Tab Maths & Trig Option Power.

Question 94 :

When you send an email which of the following fields should contain your email address?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. From



To

3. Bcc

4. Cc

Solution :

The correct answer is **option 1** i.e. **From**.

When you send an email "from" fields should contain the sender's email address.

To: Contains the recipient's address.

Bcc: Blind Carbon Copy

All email addresses that are mentioned in the BCC field are kept hidden, so recipients in the To and CC fields are unable to see them.

CC: Carbon Copy

The recipients in both the To field and the CC field are able to see the email addresses of each other.

Question 95 :

What will happen when you select a cell of an MS Excel worksheet and press the 'F2' key?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. The content of the cell will be deleted.
2. The background colour of the cell will be changed.
3. The font colour of the content of the cell will be changed.
4. The cell will switch to editing mode so that its content can be modified.

Solution :

The correct answer is **option 4** i.e. **The cell will switch to editing mode so that its content can be modified**.

F2 key: Cell switches to editing mode.

Ctrl + Shift + Del: The content of the selected cell will be deleted.

Alt+H+H: The background colour of the cell will be changed.

Alt + H + FCA: The font colour of the content of the cell will be changed.

Question 96 :



Which of the following features is used to type very small letters or numbers just above the line of text?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. Subscript
2. Superscript
3. Strikethrough
4. Format painter

Solution :

The correct answer is **option 2** i.e. **Superscript**.

Superscript is used to create small letters above the line of text in MS Word.

Shortcut: Ctrl + Shift + Plus sign (+)

Ex: a²

Subscript is used to create small letters below the line of text in MS Word.

Shortcut: Ctrl + Shift + Equal sign (=)

Ex: a₂

Format painter is used to apply the same formatting, such as color, font style, etc. to text or graphics.

Strikethrough is used to suggest a revision.

Shortcut: Ctrl+D

Ex: Henna

Question 97 :

TCP/IP is the most popular internet protocol. What is the full form of TCP?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. Transmission Carrying Progress
2. Transmission Carrying Protocol
3. Transmission Control Protocol

Transition Control Protocol

Solution :

The correct answer is **option 3** i.e. **Transmission Control Protocol**.

TCP: Transmission Control Protocol

It lies between the Application and Network Layers which are used in providing reliable delivery services.

It helps in the exchange of messages between different devices over a network.

Question 98 :

What is the keyboard shortcut to cut selected text in MS Word?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Alt + Ctrl + C
2. Ctrl + C
3. Ctrl + X
4. Alt + X

Solution :

The correct answer is **option 3** i.e. **Ctrl + X**.

Ctrl + X: Used to cut selected text in MS Word.

Ctrl + C: Used to copy the selected text in MS Word.

Alt + X: Used to convert the code to the symbol.

Alt + Ctrl + C: Used to split the document window.

Question 99 :

Which of the following keyboard shortcuts is used to add a bookmark to the page currently opened in a Chrome browser?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Alt + B
2. Ctrl + M

Ctrl + B

4. Ctrl + D

Solution :

The correct answer is **option 4** i.e. **Ctrl + D**.

Ctrl + D: Used to add a bookmark to the page currently opened in a Chrome browser.

Alt + B: Display the bookmarks file menu.

Ctrl + M: Minimizes the Active Window.

Ctrl + B: Opens Bookmarks Manager on Chrome.

Question 100 :

Which of the following statements is/are FALSE? (i) In MS Word, the same paragraph can have both, left as well as right alignment. (ii) In MS Word, a paragraph is created by pressing Ctrl + Enter.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. (i) only
2. Neither (i) nor (ii)
3. Both (i) and (ii)
4. (ii) only

Solution :

The correct answer is **option 3** i.e. **Both (i) and (ii)**.

(i) In MS Word, the same paragraph can have both, left as well as right alignment. - False

No button allows both left and right alignment.

Ctrl + E - Aligns the paragraph to the center.

Ctrl + L - Aligns the paragraph to the left.

Ctrl + R - Aligns the paragraph to the right.

(ii) In MS Word, a paragraph is created by pressing Ctrl + Enter. - False

By pressing Enter key a new paragraph is created.



Delhi Police Constable Tier 1 Previous Year Question Paper Analysis

The analysis of Delhi Police Constable Tier 1 Previous Year Question Paper held on 2020-12-02 in the Morning exam is as follows:

1. 100 questions were moderate.
2. The safe score is 75 marks.
3. 25 questions were asked from Logical Reasoning, 50 questions were asked from General Awareness, 10 questions were asked from Computer Knowledge and 15 questions were asked from Numerical Ability
4. 0 questions should have been skipped if you were short of time.

Delhi Police Constable Tier 1 Previous Year Question Paper Topic Wise Weightage

Logical Reasoning

1. Coding Decoding - 1
2. Analogy - 2
3. Classification - 1
4. Venn Diagrams - 2
5. Figure Based - 12
6. Matrix - 1
7. Series - 2
8. Mathematical Reasoning - 2
9. Cubes And Dice - 2

General Awareness

1. Art And Culture - 50

Computer Knowledge

Numerical Ability

Delhi Police Constable Tier 1 Previous Year Question Paper Tips and Tricks



1. Try to solve Delhi Police Constable Tier 1 Previous Year Question Paper without taking any help from the solutions.
2. Delhi Police Constable Tier 1 Previous Year Question Paper require proper usage of concept so firstly read the question thoroughly and then use the right concept.
3. In case you're not able to solve the question in less than 30 seconds in the exam then you should skip the question and move to the next question.

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About Neetu Mam

Neetu Mam is primarily passionate for the English language and teaching from the last 20 years however for the Delhi Police Constable Tier 1 Previous Year Question Paper. She has guided her team to provide the best explanation for the question.