



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 Afternoon 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 :

Which number will replace the question mark (?) in the following number series? 1713, 1311, 117, 75,?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. 48
2. 59
3. 53
4. 39

Solution :

The correct answer is **option 3** i.e. **53**.

Given series: 1713, 1311, 117, 75,?

The series follows this pattern:

So, the next term in the series is **53**.

Question 2 :

When the given figure is folded to form a box, which face CANNOT be adjacent to the face with '2'?

Difficulty : Moderate

Average Time : 38 Seconds

Options :

6

2. 1

3. 5

4. 4

Solution :

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

When the sheet is folded along the lines;

6 is opposite to 1.

5 is opposite to 3.

4 is opposite to 2.

From this, 2 cannot be adjacent to 4.

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

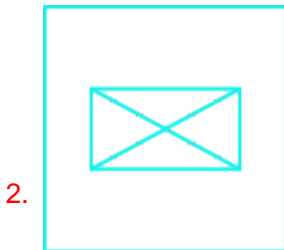
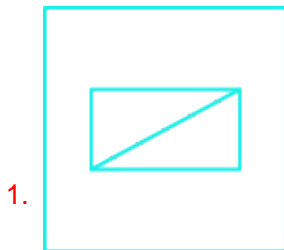
Question 3 :

Select the option figure that is related to figure C in the same way as figure B is related to figure A.

Difficulty : Moderate

Average Time : 44 Seconds

Options :



3.

Page No: 2

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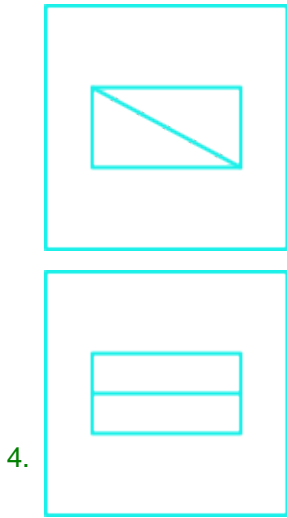
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Solution :



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

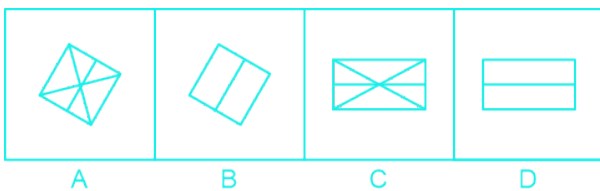
The logic used here is:

Logic between A and B:

The diagonal lines are removed.

Similarly; the pattern will be followed by C and D.

The pattern is:



Question 4 :

In a certain code language, HOME is written as ELJB. Which word will be written as ARHB in the same code language?

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. KUDE
2. EUDK
3. DEKU
4. DUKE

Solution :

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

The logic used here is:

HOME is written as ELJB

$$H - 3 = E$$

$$O - 3 = L$$

$$M - 3 = J$$

$$E - 3 = B$$

Similarly;

Word for the code ARHB:

$$A + 3 = D$$

$$R + 3 = U$$

$$H + 3 = K$$

$$B + 3 = E$$

$$DUKE = ARHB$$

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

Question 5 :

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

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1.

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



Solution :



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

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



Question 6 :

Select the Venn diagram that best represents the relationship between the given classes. Industry, Labour, Machines

Difficulty : Moderate

Average Time : 63 Seconds

Options :

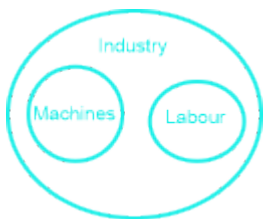
- 1.
- 2.
- 3.
- 4.

Solution :



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

The possible Venn diagram is:



All labour is industry. All machines are industry.

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

Question 7 :

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

Difficulty : Moderate

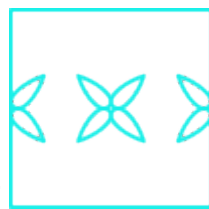
Average Time : 65 Seconds

Options :

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

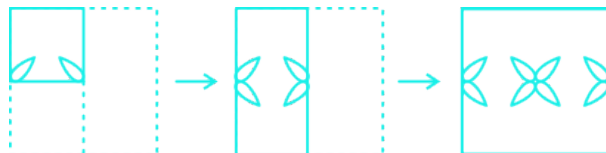


Solution :



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

After unfolding, the paper will appear as follows:



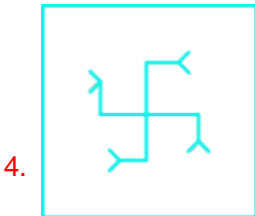
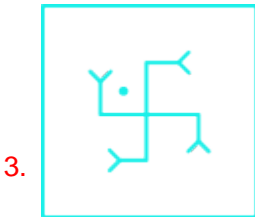
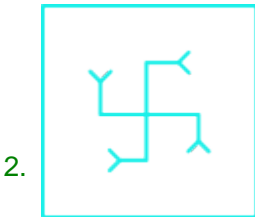
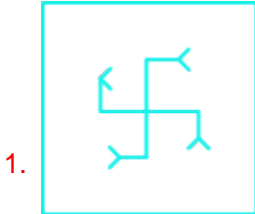
Question 8 :

Select the option figure that will come next in the following figure series.

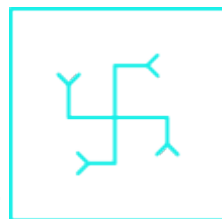
Difficulty : Moderate

Average Time : 60 Seconds

Options :



Solution :



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

The logic used here is:

1. The dots decrease by one in the next figure.

2. The arrowhead is added by one in the next figure.

The image series:



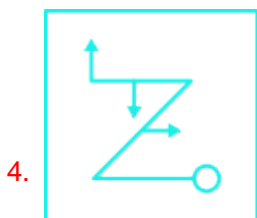
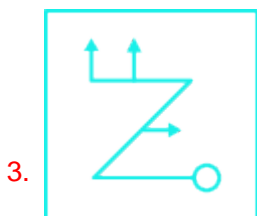
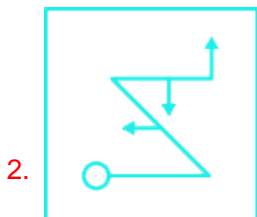
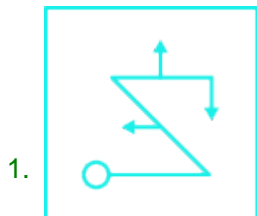
Question 9 :

Select the correct mirror image of the given figure when the mirror is placed on the right side of the figure.

Difficulty : Moderate

Average Time : 68 Seconds

Options :

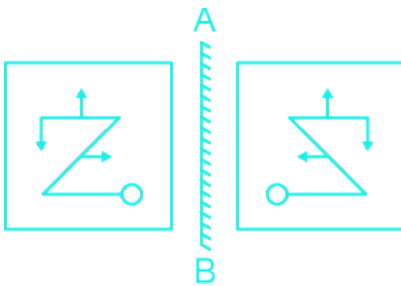


Solution :

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



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 1** is the correct answer.

Question 10 :

Select the option that is related to the third word in the same way as the second word is related to the first word. Knuckle: Ring:: Ankle:?

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. Toe ring
2. Bangle
3. Anklet
4. Sandals

Solution :

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

The logic used here is:

Knuckle: Ring

The ring is worn on a knuckle.

Similarly;

Ankle:?

An anklet is worn on the ankle.

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

Question 11 :

Three of the following four figures are alike in a certain way and one is different. Select the odd one.

Difficulty : Moderate

Average Time : 46 Seconds

Options :

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

Solution :



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

The logic used here is:

All figures inside the square are polygons, whereas, in option 1, the circle is not a polygon.

Hence, **option 1** is the odd one out.

Question 12 :

Select the option figure that will come next in the following figure series.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

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

Solution :



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

The logic used here is:

1. A dot is added on the opposite side of the removed side of the hexagon.
2. The side that is removed is opposite to the previously removed edge.

The image series:



Question 13 :

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

Difficulty : Moderate

Average Time : 69 Seconds

Options :

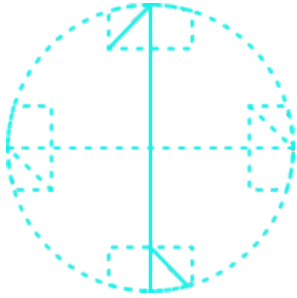
- 1.
- 2.
- 3.
- 4.

Solution :

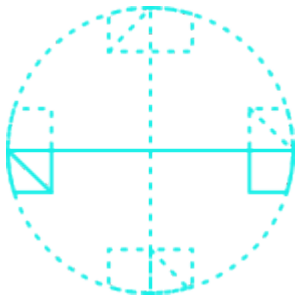


The correct answer is **option 1** i.e.

The figure in option 2 is embedded in the given figure, as shown below:



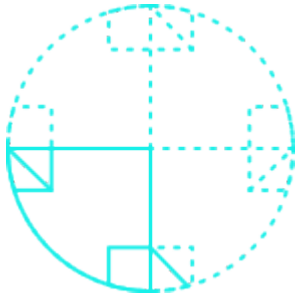
The figure in option 3 is embedded in the given figure, as shown below:



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



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



Hence, the given figure is not embedded in option 1.

Question 14 :

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

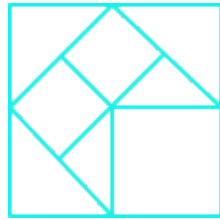
Difficulty : Moderate

Average Time : 93 Seconds

Options :

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

Solution :



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

The figure that will complete the pattern:



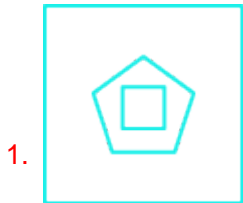
Question 15 :

Select the option figure that is related to figure C in the same way as figure B is related to figure A.

Difficulty : Moderate

Average Time : 62 Seconds

Options :



4.



Solution :



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

The logic used here is:

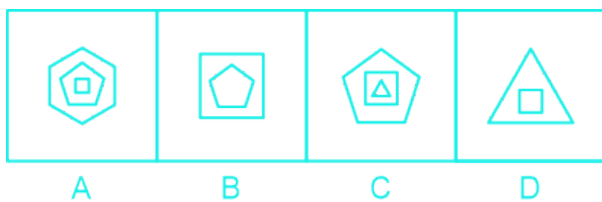
Logic between A and B:

1. The central figure of A is the outer figure of B.
2. The second figure of A is now the central figure for B.

Similarly; the pattern will be followed by the C and D.

1. The central figure of C i.e. triangle is the outer figure of D.
2. The second figure of C i.e. square is now the central figure for D.

The pattern is:



Question 16 :

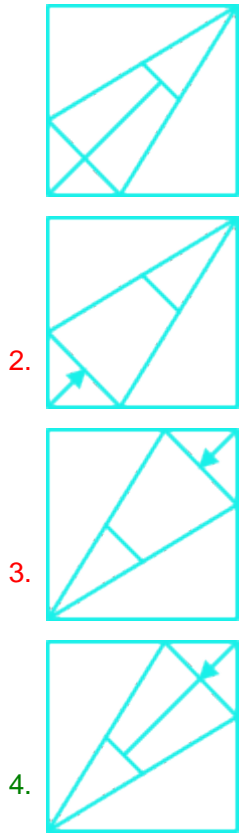
Select the option figure that can replace the question mark (?) in the given figure to complete the pattern.

Difficulty : Moderate

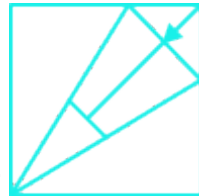
Average Time : 83 Seconds

Options :

1.

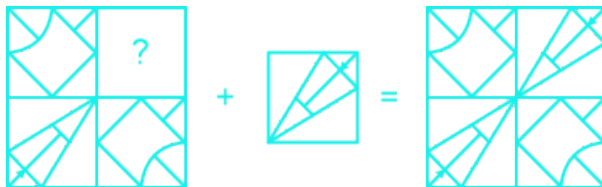


Solution :



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

The figure that will complete the pattern:



Question 17 :

Neha wants to sell an item. How many times of the cost price should be the selling price, if she wants to earn 200% profit?

Difficulty : Moderate

Average Time : 62 Seconds



Options :

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

Solution :

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

Profit % = 200%

As,

$$\text{Profit}\% = ((S.P - C.P) \div C.P) \times 100$$

$$200 = ((S.P - C.P) \div C.P) \times 100$$

$$2C.P = S.P - C.P$$

$$S.P = 3C.P$$

Hence, the selling price should be 3 times the cost price, to earn 200% profit.

Question 18 :

Select the set in which the numbers are related in the same way as are the numbers of the following set. (174, 87, 29)

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. (212, 106, 42)
2. (432, 216, 72)
3. (530, 265, 92)
4. (236, 92, 22)

Solution :

The correct answer is **option 2** i.e. **(432, 216, 72)**.

The logic used here is:

(174, 87, 29)



$$174 \div 2 = 87$$

$$174 \div 6 = 29$$

Similarly;

$$(432, 216, 72)$$

$$432 \div 2 = 216$$

$$432 \div 6 = 72$$

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

Question 19 :

Which among the following is related to the human skeletal structure?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Spleen
2. Urethra
3. Femur
4. Iris

Solution :

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

- The femur is the longest and the strongest bone in the body which locates from hip to knee.
- It is the thigh bone which helps us in standing , moving etc.
- It consists of the ball and socket joint to the hips.

Question 20 :

Which of the following is a water borne disease?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. measles
2. Dengue
3. Yellow Fever

E. coli

Solution :

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

- E.coli bacteria exposed to human body from contaminated food and water.
- Foods which can inflamate it are - raw vegetables and undercooked ground beef.
- It can cause extreme vomiting, bloody diarrhoea and cramps.

Question 21 :

With reference to countries and their capitals, which of the following pairs is correct?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Cambodia-Tbilisi
2. Myanmar - Naypyidaw
3. Brunei-Beirut
4. Azerbaijan-Yerevan

Solution :

The correct answer is **option 2** i.e. **Myanmar - Naypyidaw**.

- Nay Pyi Taw or Naypyidaw also "Abode of Kings" is the modern capital of Myanmar.

Question 22 :

The Punjab Himalayas lie between the _____ rivers.

Difficulty : Moderate

Average Time : 37 Seconds

Options :

1. Black and Teesta
2. Sutlej (Sutlej) and Kali
3. Teesta and Dihang
4. Indus and Sutlej (Sutlej)

Solution :

The correct answer is **option 4** i.e. **Indus and Sutlej (Sutlej)**.



Western Himalayas also known as Punjab Himalayas including areas of Pakistan and India and also some northwestern parts of Himanchal Pradesh

- These hills lies between the stretch of Indus and Sutlej rivers.

Question 23 :

Mandvi Sagar Beach is situated in _____.

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Kerala
2. Maharashtra
3. Odisha
4. Gujarat

Solution :

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

- The Mandvi Sagar Beach is located in the state of Gujarat.
- It is located in Bhuj near Vijay Vilas Palace
- Various water sports facilities and recreational activities are available on this beach.

Question 24 :

Which of the following schemes is not related to Ministry of Finance?

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. Pradhan Mantri Garib Kalyan Yojana
2. Pradhan Mantri Kaushal Vikas Yojana
3. Kisan Vikas Patra
4. Pradhan Mantri Suraksha Bima Yojana

Solution :

The correct answer is **option 2** i.e. **Pradhan Mantri Kaushal Vikas Yojana**.

- The Pradhan Mantri Kaushal Vikas Yojana (PMKVY) is the scheme under the Ministry of Skill Development and Entrepreneurship.



Under this scheme, Indian youths are trained in askill to get a better oppportunity of livelihood.

- Various training centres are opened in different cities of States/UTs to provide skill training to youths.

Question 25 :

According to the Representation of the People Act, 1951, in the event of a person being elected to both houses of Parliament, he has to notify within _____ days in which house he intends to function.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. 22
2. 10
3. 20
4. 15

Solution :

The correct answer is **option 2** i.e. **10**.

- According to the Article 327 , The Representation of the People Act 1951 is mentioned .
- According to this Act a person who is elected to both the houses has to notify the Parliament in 10 days the he/she is going to continue their functions with which house of the Parliament.

Question 26 :

In India, which of the following is not a type of budget?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Balanced
2. surplus
3. Losses
4. Reserved

Solution :

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

- There are mainly 3 types of budget i.e.
 - Balanced,



Surplus and

○ Deficit budgets.

- There is no such type of Resesrved budget.

Question 27 :

In the fourteenth century, which of the following travelers came to India?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Ibn Battuta
2. Duarte Barbosa
3. Francois Bernier
4. Antonio Monserrate

Solution :

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

- Ibn Batuta was a Muslim traveller who came to India in fourteenth century in the reign of Muhammad Bin Tughlaq in Delhi.
- He came from Morroco,Africa and stayed in India around seven years.
- He account his explorations and travellings in his book names -"Rihla".

Question 28 :

Which of the following is a sect of Jainism?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Hinayana
2. Lingayat
3. Vajrayana
4. Digambar

Solution :

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

- The Jain sects are divided into 2 parts - Svetambars and Digambars.



Hinayana is a sect of Buddhism which is predominated in Southern Asia and follows the original teachings of Buddhism.

- Linagayat is a sect of Hindu which worship Shiva as the only deity.

Question 29 :

The battle of Dharmatpur, which took place between Aurangzeb and Maharaja Jaswant Singh on 15 April 1658, was fought on the banks of which river?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Krishna
2. Yamuna
3. Sutlej
4. Narmada

Solution :

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

- This battle was fought between King Jaswant Singh and Aurangzeb in which King Jaswant Singh lost this battle on the banks of Narmada river.
- This battle was fought from 1658-1659.
- The King, Jaswant Singh Rathore was allied with other Rajput rulers and Mughal Prince Dara Shikoh.

Question 30 :

Which one of the following pairs is not correctly matched?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Shudraka: Mrithaktik
2. Kalhan: Ramcharitam
3. Joyful: Banabhatta
4. Firdausi: Shahnama

Solution :

The correct answer is **option 2** i.e. **Kalhan: Ramcharitam**.



The Ramcaharitam is a poem in Sanskrit language written by Sandhyakar during the time period of Pala empire.

- Kalhan wrote the famous book Rajtarangini (collection of Sanskrit poems) which describes the history of Kashmir.

Question 31 :

The festival of Pung Lhabsol is celebrated mainly throughout the _____.

Difficulty : Moderate

Average Time : 42 Seconds

Options :

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

Solution :

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

- The festival of Pung Lhabsol of Sikkim basically represents the brotherhood between the Lepchas and Bhuktis and also commemorate the Treaty of brotherhood between them.
- This festivals symbolises the unity of Sikkim.
- It is also celebrated in order to pay homage to the Mount Kanchenjunga.

Question 32 :

The Chalukya king Vikramaditya is described in the Vikramankadeva Charit written by the Kashmiri poet _____.

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Jayank
2. orator
3. Bilhan
4. Kalhan

Solution :

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

- Bilhan was a Kasmiri poet who explored the whole of India and finally got worked in Chalukya King Vikramaditya's court.



His works were all in Sanskrit language .He was a poet.

- He wrote a collection of love poems named Caurapancasika which was one of his prominent works.

Question 33 :

By which among the following is the color of a planet determined?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Its surface temperature
2. Its average density
3. Its total mass
4. Its average distance from the Sun

Solution :

The correct answer is **option 1** i.e. **Its surface temperature.**

The colour of a planet is determined by various factors-

- their composition i.e. composition of surface ,
- how the atmosphere of planet absorbs sunlight and
- how the atmosphere of the planet reflects the light.

Question 34 :

Demonetisation was a new initiative taken by the Government of India in _____.

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. October 2018
2. November 2016
3. January 2017
4. December 2015

Solution :

The correct answer is **option 2** i.e. **November 2016.**

- The demonatisation of the currency of INR 500 and INR 1,000 takes place on November 8, 2016.
- It also includes the issue of new bank notes of INR 500 and INR 2,000 in exchange of old bank notes.

**Question 35 :**

The Olympic symbol — popularly known as the Olympic rings throughout the world — is the visible ambassador of the Olympics to millions of people. Which of the following color of rings is not included in it?

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

1. White
2. Black
3. Green
4. Red

Solution :

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

- The Olympic rings symbol contains 5 coloured rings which represents the inhabited continents of the World.
- This ring symbol contains these colours- Black, Blue, Red, Green, Yellow, as these colours are commonly found in flags of different countries found around the World.

Question 36 :

The Anglo-Mysore War ended with which of the following battles?

Difficulty : Moderate**Average Time : 44 Seconds****Options :**

1. Battle of Vandiwash
2. Battle of Seringapatam
3. Battle of Porto Novo
4. Battle of Polilur

Solution :

The correct answer is **option 2** i.e. **Battle of Seringapatam**.

- The Battle of Seringapatnam was the end of Fourth Anglo Mysore war and also the end of the series of the Anglo - Mysore wars.
- In this war, Tipu Sultan, the Mysore King shot himself and Britishers concluded their victory.

**Question 37 :**

Sakshi Malik won a bronze medal in which of the following sports at the 2016 Summer Olympics?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Wrestling
2. Weightlifting
3. Shooting
4. Boxing

Solution :

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

- Sakshi Malik from Haryana became the first women to win the Bronze medal in the wrestling in Olympics.

Question 38 :

As of June 30, 2020, which of the following products in India has GST. (GST) is excluded?

Difficulty : Moderate

Average Time : 38 Seconds

Options :

1. Life saving drugs
2. Air Conditioner (AC) and Refrigerators
3. Alcohol for human consumption
4. Dental brushing and soap

Solution :

The correct answer is **option 3** i.e. **Alcohol for human consumption**.

- The alcohol used for consumption is excluded from GST. VAT and Excise Duty are applied on the alcohol.

Question 39 :

Kakrapar Irrigation Project is situated on the river _____.

Difficulty : Moderate

Average Time : 40 Seconds

Options :



Krishna

2. Godavari

3. Bhagirathi

4. Tapi

Solution :

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

- Kakrapar Irrigation Project is located on Tapi river and the Kakrapar Dam is also built on this river .
- This project takes place in the Surat district of Gujarat state.

Question 40 :

World Water Day is celebrated every year on _____.

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. 20 August

2. 22 March

3. 4 April

4. 24 January

5. 20 January

Solution :

The correct answer is **Option 2** i.e. **22 March**

- Every year, on 22nd March World Water Day is celebrated by United Nations to highlight the importance of freshwater in this World and advocating the sustainability of freshwater management in this World.
- The theme of World Water Day 2023 is "Accelerating Change" .

Question 41 :

Ujjain is situated on the Malwa plateau on the east side of the river _____.

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Indravati



Subarnarekha

3. Shipra (Kshipra)

4. Teesta

Solution :

The correct answer is **option 3** i.e. **Shipra (Kshipra)**.

- Ujjain is a town in Madhya Pradesh state of Indian Subcontinent and is situated on the east side of Shipra river .
- Shipra river originates from Vindhya range and drains into the Chambal river.

Question 42 :

In the context of players and their related games, which of the following pairs is not correctly matched?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Michael Phelps - Swimming
2. Usain Bolt - Fast Racing
3. Tiger Woods - Snooker
4. Martina Hingis - Tennis

Solution :

The correct answer is **option 3** i.e. **Tiger Woods - Snooker**.

- Tiger Woods is an American professional golfer and hold numerous golf world's records.
- He is widely regarded as one of the amazing golfers of all the time.

Question 43 :

Which state has been linked with Himachal Pradesh under 'Ek Bharat Shreshtha Bharat' program to promote national unity through mutual understanding as on 30 June 2020?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. West Bengal
2. Goa
3. Gujarat

Kerala

Solution :

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

- The aim of "Ek Bharat Shreshtha Bharat Program " is to celebrate the Unity in Diversity of our Nation.
- To promote the values of Integration by linking states /UTs of different cultures.
- In this way , the exchange of different cultures takes place between various people of the paired states/UTs.
- Kerela is paired with Himachal Pradesh, other examples are - Goa and Jharkhand, Gujarat and Chattisgarh are paired together.

Question 44 :

What is the required qualification to be appointed as Attorney General of India (Attorney- General)?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Member of Legislative Assembly
2. President of the Council of States
3. High Court Judge
4. Supreme Court Judge

Solution :

The correct answer is **option 4** i.e. **Supreme Court Judge**.

- The qualification to be the Attorney General of India is that-
 - must be a citizen of India.
 - qualified to be appointed as a judge of Supreme Court.
 - have completed 10 years of advocacy in any High Court.
 - have completed 5 yeras in any High Court as a judge.
- Under article 76 , Attorney General is appointed by the President of India on the advice of Council of Ministers/ Head of Council of Ministers(PM).

Question 45 :

In August 2020, experts from India, Bangladesh, Nepal and Myanmar gathered to improve which of the following?

Difficulty : Moderate

Average Time : 58 Seconds

Options :



- Elephant
2. Crocodile
3. Dolphins
4. Tiger

Solution :

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

- The experts of four countries- **India, Bangladesh, Myanmar and Nepal** gathered together to improve the rate of conservation of river dolphins in their area.
- The Gangetic Dolphin was stated as an endangered animal .Therefore a webinar on "**Exploring the impact of COVID-19 on the ecosystem health of rivers and its dolphin population: Present status and future strategy for conservation in India- Bangladesh- Nepal -Myanmar**" was organised to enhance dolphin conservation in "SOUTHEAST ASIAN REGIONAL COUNTRIES".

Question 46 :

With reference to the famous monuments of India, which one of the following pairs is incorrect?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Kanheri Caves - Mumbai
2. Hazara Ram Temple-Hampi
3. Kandariya Mahadev Temple - Khajuraho
4. Hoshang Shah's Tomb - Delhi

Solution :

The correct answer is **option 4** i.e. **Hoshang Shah's Tomb - Delhi**.

- Hoshang Shah Tomb is located in the **Madhya Pradesh** in the town of Mandu .
- It is constructed by Hoshang Shah Ghori and one of the first marble stone tomb in India .
- **Kanheri Caves** is located in the Sanjay Gandhi national Park in **Mumbai**.
- **Hazara Temple** is one of the important shrine and is located in the **Hampi**, Karnataka.This temple is dedicated to Lord Rama.
- **Kandhariya Mahadev temple** , one of the UNESCO heritage site is located in the Khajuraho village of the Chhatrapur district in **Madhya Pradesh**.

Question 47 :



According to Human Development Index 2019, India ranks _____.

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 127th
2. 126th
3. 129th
4. 128th

Solution :

The correct answer is **option 3** i.e. **129th**.

- The Human Development Index is the statistical approach to measure a country's achievement on the basis of three major factors -

Health

Education/ Knowledge

Standard of living

- The indicators for this report are -

○ Life Expectancy

○ Education

○ Per capita Income .

- According to Human Development Index 2023 , India's rank is 129th in this list and Norway is on the top.

Question 48 :

Which of the following is a chromosomal disorder?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Down's Syndrome
2. Haemophilia
3. Sickle cell anaemia
4. Cystic fibrosis

Solution :



The correct answer is **option 1** i.e. **Down's Syndrome**.

- Down's Syndrome is one of the major chromosomal disorder.
- Other chromosomal disorders includes -
 - Edward Syndrome
 - Patau Syndrome
- Children's suffering from chromosomal abnormalities faces difficulty in development of normal abilities.

Question 49 :

As of August 2020, which of the following states has a two-house system?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Arunachal Pradesh
2. Kerala
3. Gujarat
4. Maharashtra

Solution :

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

- The two house system or bicameral legislature includes -
 - Vidhan Sabha (State Legislative Assembly)
 - Vidhan Parishad (State Legislative Council)
- States in India which have bicameral legislature are - Maharashtra , Bihar , Uttar Pradesh, Karnataka , Andhra Pradesh, Telengana .

Question 50 :

The Mughal emperor _____ took Bijapur and Golconda under him.

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Akbar
2. Shah Jahan
3. Jahangir
4. Aurangzeb

**Solution :**

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

- The fort of Golconda is located in Hyderabad (Present day Telengana) .This is a massive fort built on a hilltop.
- The fort of Bijapur (Vijayapur) is located in Karnataka in which Gol Gumbaj is situated, one of the largest dome .
- Both these forts were conquered and occupied by Aurangzeb , son of Shah Jahan ,a Mughal Emperor.

Question 51 :

According to the budget 2020-21, how much of the following amount has been proposed for nutrition related programs for the financial year 2020-21?

Difficulty : Moderate**Average Time : 51 Seconds****Options :**

1. ₹ 28,600 Crore
2. ₹ 9,500 crores
3. ₹ 35,600 Crore
4. ₹ 53,700 crore

Solution :

The correct answer is **option 3** i.e. **₹ 35,600 Crore**.

- For the FY 2021-22 , 35,600 crore is allotted to the nutrition related programs, stating the theme of Caring Society.
- Every year , Minister of Finance present the Budget in front of Lok Sabha .
- The Budget is called "Annual Financial Statement " in Constitution.

Question 52 :

In India, the voting age has been reduced from 21 years to 18 years by the _____Constitutional Amendment Act, 1988.

Difficulty : Moderate**Average Time : 45 Seconds****Options :**

1. 60th
2. 63rd
3. 61st
4. 62nd

Solution :



The correct answer is **option 3** i.e. **61st**.

- By 61st Amendment Act , the age for voting is reduced to 18 years from 21 years of age.
- By amending Article 326 , this change in age is come into force by passing the bill in Lok Sabha on 15th of December , 1988.
- This action was taken under the leadership of Prime Minister Rajiv Gandhi.

Question 53 :

In kabaddi game, how many players are there in each team?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 6
2. 8
3. 5
4. 7

Solution :

The correct answer is **option 4** i.e. **7**.

- Kabaddi game is played by taking 12 members in each team but only 7 players per team are allowed on the field at a time .
- 7 players are the active players who are stand on the either side of the midline .

Question 54 :

PAN is a (an) _____ digit unique alphanumeric number issued by the Income Tax Department.

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. 8
2. 12
3. 11
4. 10

Solution :

The correct answer is **option 4** i.e. **10**.



PAN Card contains 10 digit alphanumeric number issued by Income Tax Department.

- It is also called Permanent Account Number and it is also used as an identity proof by various individuals in government related tasks.
- PAN card can be issued to an individual, to a firm or to a company.

Question 55 :

The Government of India has constituted the Fifteenth Finance Commission with _____ as its operating period.

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. 2015-2020
2. 2019-2023
3. 2020-2025
4. 2020-2022

Solution :

The correct answer is **option 3** i.e. **2020-2025**.

- The fifteenth finance commission has operating period from 2020 to 2025.
- It is led by Shri N.K. Singh as Chairman , who submitted the finance report to President of India .
- This commission is constituted by the President of India under Article 280.
- It is a quasi judicial body which is appointed after every 5 years.

Question 56 :

Who among the following is one of the first Bharat Ratna Award recipients?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Jawaharlal Nehru
2. CV Raman
3. Rajendra Prasad
4. Mother Teresa

Solution :

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



Bharat Ratna is one of the highest civilian award of the Republic of India.

- The first persons to receive Bharat Ratna were- C.V. Raman, Dr. Sarvapalli Radhakrishnan, Shri Rajagopalachari.
- The Bharat Ratna was started from 2nd January, 1954.

Question 57 :

In which of the following places is the bench of Allahabad High Court established?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Gorakhpur
2. Lucknow
3. Agra
4. Noida

Solution :

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

- Allahabad High Court has its bench in Lucknow.
- Allahabad High Court has the most number of judges.
- Judges of High Court are appointed by the President of India .
- Justice Pritinker Diwaker is the current Chief Justice of Allahabad High Court.

Question 58 :

As of August 2020, the Ministry of Culture has announced how many new divisions of the Archaeological Survey of India?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 6
2. 8
3. 5
4. 7

Solution :

The correct answer is **option 4** i.e. **7**.

- Recently ,in 2020 by August month, Ministry of Culture has announced 7 new divisions of Archaeological Survey of



India.

- Madhya Pradesh, Uttar Pradesh, Karnataka, Gujarat, West Bengal and Tamil Nadu are announced as new circles of Archaeological Survey of India.

Question 59 :

Poet Lallyd was associated with which of the following regions of India?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Lucknow
2. Kashmir
3. Jaunpur
4. Orchha

Solution :

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

- Poet Lallyd was associated with the region of Jammu and Kashmir.
- Kashmir is situated at the northern part of the Indian subcontinent.
- Its languages included - Dogri, Kashmiri, Urdu etc.

Question 60 :

The green plants in a terrestrial ecosystem capture about _____ of the energy of sunlight that falls on their leaves and convert it into food energy.

Difficulty : Moderate

Average Time : 44 Seconds

Options :

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

Solution :

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

- The green plants only capture 1% of the sunlight and converts it into food.

They convert sunlight, air into food by the process of photosynthesis.

- The green colour pigment present in the leaves of plants are called chlorophyll.
- During photosynthesis, CO₂ is absorbed and O₂ is released.

Question 61 :

The Coromandel plain is located in the _____ direction of India.

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Southern
2. Eastern
3. Western
4. Northern

Solution :

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

- Coromandel plain is located in the southern part of the India, precisely south-eastern coast of the country.
- Tuticorin (Sea gateway to Tamil Nadu) is located on the coromandel coast.
- It extends in the area of 22,800 km square.

Question 62 :

As on August 2020, what is the number of Seat (s) allocated for Rajya Sabha from Goa?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. 1
2. 9
3. 4
4. 7

Solution :

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

- Rajya Sabha is called Upper House of the parliament.
- Goa constituted one seat of the Rajya Sabha.



Number of members in the Rajya Sabha is 245 , outof which 233 are elected and 12 members are nominated by President of India directly to the house .

Question 63 :

In the context of Chhau (Chhau) dance marked by UNESCO, which of the following is not a style of Chhau (Chhau) dance?

Difficulty : Moderate**Average Time : 45 Seconds****Options :**

1. Purulia Chhau (Chhau)
2. Mayurbhanj Chhau (Chhau)
3. Kutch Chhau (Chhau)
4. Seraikella Chhau (Chhau)

Solution :

The correct answer is **option 3** i.e. **Kutch Chhau (Chhau)**.

- Chhau is a traditional form of dance in which the artists play or enact the epics like Rmayana and Mahabharata.
- This dance form is mainly performed by en in Eastern parts of India.
- Martial arts are mainly performed in this dance form.
- Chhau dance is classified into 3 categories-
 - Mayurbhanj Chau of Odisha
 - Purulia Chau of Bengal
 - Seraikela Chau of Jharkhand.

Question 64 :

Which of the following festivals is celebrated as a belief in the resurrection of Jesus Christ?

Difficulty : Moderate**Average Time : 55 Seconds****Options :**

1. Halloween
2. Good Friday
3. Easter
4. Christmas

Solution :



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

- Easter Day is celebrated as the resurrection of Jesus Christ.
- This festival is celebrated as the rebirth of Christianity.
- It begins from Lent and ends with the Holy Week, which includes-
 - Maunday Thursday
 - Good Friday
 - Easter Sunday.

Question 65 :

The play 'Andher Nagri Chaupat Raja' is written by which of the following?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Mahavir Prasad Dwivedi
2. Maithilisharan Gupta
3. Sumitranandan Pant
4. Bharatendu Harishchandra

Solution :

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

- Andher Nagri Chaupat Raja play was written by Bharatendu Harishchandra.
- He was born in Varansi and is known as father of modern Hindi literature.
- His pen name is "Rasa".

Question 66 :

Who among the following is credited with the enactment of the First Factories Act, 1881, which had provisions for regulating child employment?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Lord Irwin
2. Lord Mayo
3. Lord Ripon
4. Lord Curzon

**Solution :**

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

- Lord Ripon had first enacted the First Factories Act, 1881, which had provisions for regulating child employment .
- Children below 7 years of age are prohibited to work and children below 12 years of age have also regulated hours of work.
- Monthly holidays and break during work time was also taken into consideration in this Act.

Question 67 :

_____ is the first non-English feature film to win the Oscar for Best Film at the 92nd Academy Awards.

Difficulty : Moderate**Average Time : 50 Seconds****Options :**

1. **Crouching Tiger**
2. **Parasite**
3. **Bohemian Rapsdi**
4. **Green Book**

Solution :

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

- Parasite is a South-Korean black comedy thriller film to win the Oscar for best film in 92nd Academy Awards.
- It is the first non-English feature film to win the Oscar awards.
- The Academy Awards is popularly known as Oscars Awards.

Question 68 :

Who among the following is not known for his expertise in painting?

Difficulty : Moderate**Average Time : 44 Seconds****Options :**

1. **Tayeb Mehta**
2. **Jamini Roy**
3. **Habib Tanveer**
4. **Satish Gujral**

Solution :

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

- Tayab Mehta is an Indian painter, sculptor and filmmaker .
- Jamini Roy is also an Indian painter .
- Satish Gujral is an Indian painter, a muralist, a sculptor and writer of the post Independent India.
- Habib Tanveer is a poet, playwright, actor and theatre director.

Question 69 :

There are six different symbols drawn over the six faces of a cube. Symbols are , -- , , , (div) and . Three different positions of the same cube are shown in the given figures. Which symbol is opposite to ?

Difficulty : Moderate**Average Time : 55 Seconds****Options :**1. $\setminus(\div)$ 2. 3. 4. **Solution :**

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

In the first and third dice, -- is common. So, start rotating either in the clockwise or anticlockwise direction.

Clockwise direction:

Dice 1: --

Dice 3: --

So, is opposite to .

Anticlockwise direction:

Dice 1: --

Dice 3: --

So, is opposite to .

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

Question 70 :

Select the option of classes that is best illustrated by the given Venn diagram.

Difficulty : Moderate

Average Time : 107 Seconds

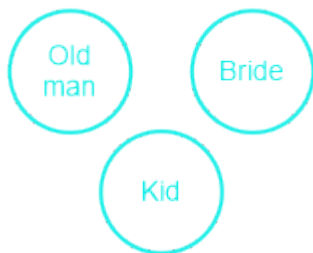
Options :

1. Woman, Wife, Teacher
2. Asia, Bangladesh, Dhaka
3. Flower, Rose, Lotus
4. Old man, Bride, Kid

Solution :

The correct answer is **option 4** i.e. **Old man, Bride, Kid**.

The possible Venn diagram is:



Old man, bride, and kid are of different classes.

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

Question 71 :

Three of the following four words are alike in a certain way and one is dissimilar. Select the incompatible option. 1. Running 2. Jumping 3. Bouncing off 4. Pushing

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 3
2. 4

2

4. 1

Solution :

The correct answer is **option 2** i.e. **4**.

The logic used here is:

Running, Jumping, and bouncing need legs for it. But, pushing needs hands.

Hence, **option 2** is the odd one out.

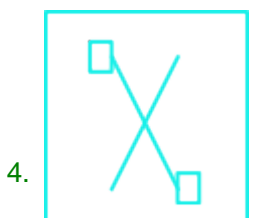
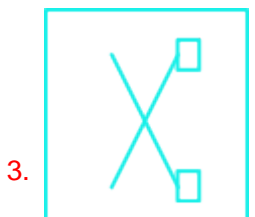
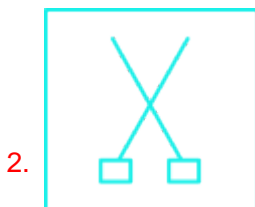
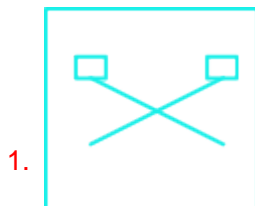
Question 72 :

Three of the following four figures are alike in a certain way and one is different. Find the odd one out.

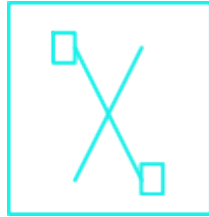
Difficulty : Moderate

Average Time : 41 Seconds

Options :



Solution :



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

The logic used here is:

In one line, there should be only one square.

In option 4, there are two squares on one line. This does not follow the logic.

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

Question 73 :

Which number will replace the question mark (?) in the following number series? 93, 95, 98, 103, 110, ?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 132
2. 121
3. 126
4. 118

Solution :

The correct answer is **option 2** i.e. **121**.

Given series: 93, 95, 98, 103, 110, ?

The series follows this pattern:

$$93 + 2 = 95$$

$$95 + 3 = 98$$

$$98 + 5 = 103$$

$$103 + 7 = 110$$

$$110 + 11 = 121$$

So, the next term in the series is **121**.

**Question 74 :**

Choose the number from the given options that are related to the third number in the same way as the second number is related to the first number. 11: 1326:: 9:?

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

1. 724
2. 848
3. 925
4. 936

Solution :

The correct answer is **option 1** i.e. **724**.

The logic used here is:

$$11: 1326$$

$$11^3 - 5 = 1331 - 5 = 1326$$

Similarly;

$$9:?$$

$$9^3 - 5 = 729 - 5 = 724$$

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

Question 75 :

Select the correct combination of mathematical signs to sequentially replace the signs and balance the given equation. $9 * 6 * 3 * 19 * 4 * 83$

Difficulty : Moderate**Average Time : 41 Seconds****Options :**

1. $\times, +, \div, -, =$
2. $\div, \times, +, -, =$
3. $+, \div, \times, -, =$
4. $-, \div, +, \times, =$

Solution :

The correct answer is **option 4** i.e. -, ÷, +, ×, =.

Given equation: $9 * 6 * 3 * 19 * 4 * 83$

Option 1: ×, +, ÷, -, =

After interchanging the expression becomes:

$$= 9 \times 6 + 3 \div 19 - 4 = 83$$

$$= 50.15 \text{ is not equal to } 83.$$

Option 2: ÷, ×, +, -, =

After interchanging the expression becomes:

$$= 9 \div 6 \times 3 + 19 - 4 = 83$$

$$= 19.5 \text{ is not equal to } 83.$$

Option 3: +, ÷, ×, -, =

After interchanging the expression becomes:

$$= 9 + 6 \div 3 \times 19 - 4 = 83$$

$$= 9 + 2 \times 19 - 4$$

$$= 9 + 38 - 4$$

$$= 43 \text{ is not equal to } 83.$$

Option 4: -, ÷, +, ×, =

After interchanging the expression becomes:

$$= 9 - 6 \div 3 + 19 \times 4 = 83$$

$$= 9 - 2 + 19 \times 4$$

$$= 9 - 2 + 76$$

$$= 83 \text{ is equal to } 83.$$

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

Question 76 :

Which of the following is the largest fraction? $(\frac{6}{11}, \frac{13}{18}, \frac{15}{22}, \frac{19}{36}, \frac{25}{33})$



Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. $\frac{19}{36}$
2. $\frac{25}{33}$
3. $\frac{15}{22}$
4. $\frac{13}{18}$

Solution :

The correct answer is **option 2** i.e. $\frac{25}{33}$

Given that

$\frac{6}{11}, \frac{13}{18}, \frac{15}{22}, \frac{19}{36}, \frac{25}{33}$ fractions

We take LCM (11, 18, 22, 36, 33) = 396

Then numbers = $[\frac{6}{11}, \frac{13}{18}, \frac{15}{22}, \frac{19}{36}, \frac{25}{33}] * 396 = 216, 286, 270, 209, 300$

Hence we can see the fraction $\frac{25}{33}$ is largest

Question 77 :

The value of a machine depreciates at the rate of 25% each year. If the difference between its value at the end of the second year and the third year is ₹124,000, then what is the value (in ₹) of the machine at the end of the first year?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 1,28,000
2. 1,00,000
3. 1,35,000
4. 1,12,000

Solution :

The correct answer is **option 1** i.e. 1,28,000

Given that

The value of a machine depreciates at the rate of 25% each year = 4 : 3

The second year = $(\frac{3}{4}) * \text{the first year}$

The third year = $(\frac{3}{4}) * (\frac{3}{4}) * \text{the first year}$

According to the question

The second year - The third year value = 24000

$(\frac{3}{4}) * \text{the first year} - (\frac{3}{4}) * (\frac{3}{4}) * \text{the first year} = 24000$

the first year = $24000 * \frac{16}{3}$

= 128000

Question 78 :

What is the number that is always a factor of the sum of a 2-digit number and a number obtained by interchanging the digits of the number?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 5
2. 3
3. 11
4. 9

Solution :

The correct answer is **option 3** i.e. **11**

Let 2 digit number be $10x + y$ and the number after interchanging its digits be $10y + x$

$$10x + y + 10y + x = 11(x + y)$$

Hence, 11 is always a factor of this sum

Question 79 :

A shopkeeper marks his goods at 32% above the cost price. He sells three-fifths of the goods at the marked price, one-fifth at a discount of 20% on the marked price, and the remaining at a 40% discount on the marked price. What is his profit/loss percentage?

Difficulty : Moderate

Average Time : 48 Seconds

Options :



Loss 15.17%

2. Loss 17.16%

3. Profit 18.17%

4. Profit 16.16%

Solution :

The correct answer is **option 4** i.e. **Profit 16.16%**

Let C.P = 100

MP = 100 + 32 = 132

The quantities of goods be 5

Net C.P = 5 * 100 = 500

According to the question

$3 * 132 + 1 * 0.8 * 132 + 1 * 0.6 * 132 = 132 * 4.4 = 580.8$

Hence, profit % = $[(580.5 - 500)/500] * 100 = 80.5/5 = 16.16\%$

Question 80 :

A and B together can finish a work in 10 days, B and C together can finish the same work in 15 days, and A and C together can finish the same work in 20 days. In how many days can C alone finish the same work?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 90

2. 120

3. 80

4. 100

Solution :

The correct answer is **option 2** i.e. **120**

According to the question

$(A + B) * 10 = (B + C) * 15 = (C + A) * 20$



$$\text{LCM}(10, 15, 20) = 60$$

$$\text{Efficiencies of } (A + B), (B + C), (C + A) = 6, 4, 3$$

$$A + B + C = 13/2$$

$$A : B : C = 5 : 7 : 1$$

$$\text{C alone finish the same work} = 12 * 10 / 1 = 120 \text{ days}$$

Question 81 :

Henry is working in a company. From his monthly salary, 25% is deducted as house rent, 15% is spent on children's education and 18% is spent on other heads. If his monthly savings are ₹1,7,560, then what is his monthly salary (in ₹)?

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

1. 18,000
2. 17,500
3. 20,000
4. 15,000

Solution :

The correct answer is **option 1** i.e. **18,000**

Given that

The expenditure of monthly income = 25% at house rent + 15% is spent on children's education + 18% is spent on other heads = 58% of monthly income

Then saving of monthly income = $100 - 58 = 42\%$ which is equal to = 7560

Hence, monthly income (100%) = $(7560/42) * 100 = 18000$

Question 82 :

A person covered a certain distance at some speed. Had he moved 6 km/h faster, he would have taken 30 minutes less. If he had moved 4 km/h slower, he would have taken 30 minutes more. What is his original speed (in km/h)?

Difficulty : Moderate**Average Time : 50 Seconds****Options :**

1. 21



24

3. 28

4. 36

Solution :

The correct answer is **option 2** i.e. 24

Given that

The increased speed (S_1) = 6 km/h, time will be 30 min less $T_1 = 1/2$ hr

The decreased speed (S_2) = 4 km/h, time will be 30 min more $T_2 = 1/2$ hr

Formula used

$$\text{Original speed} = [(S_1 * S_2) * (T_1 - T_2)] / [S_1 * T_2 - S_2 * T_1]$$

$$= 6 * 4 * ((1/2) - (-1/2)) / (3 - 2)$$

$$= 24 \text{ km/h}$$

Question 83 :

Equal square tiles are to be fixed on a wall, 3 m 50 cm in length and 4 m in height. How many largest possible tiles are needed to cover the wall?

Difficulty : Moderate**Average Time : 58 Seconds****Options :**

1. 63

2. 45

3. 56

4. 54

Solution :

The correct answer is **option 3** i.e. 56

Given that

Equal square tiles are to be fixed on a wall,

The length of wall = 3 m 50 cm = $7/2$ m



The height of wall = 4 m

Area of wall = $(7/2) * 4 = 14 \text{ m}^2$

The largest possible tiles are multiple of 14 like 28, 42, 56etc

Hence, Option no. 3 = 56 tiles needed

Question 84 :

The average score of a group of students on a test is 64. If 20% of students obtained an average score of 91 and 25% of students obtained an average score of 31, then what is the average score (correct to one decimal place) of the remaining students?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 71.2
2. 69.2
3. 70.5
4. 68.7

Solution :

The correct answer is **option 2** i.e. **69.2**

Let total students in a class = 20

The average score of a group of students on a test is 64

The sum of scores of a group of students on a test = $64 * 20 = 1280$

20% of students obtained an average score of 91

20% of students obtained the sum of the score of = $91 * 4 = 364$

25% of students obtained an average score of 31

25% of students obtained the sum of a score of $31 * 5 = 155$

The average of remaining students = $[1280 - (364 + 155)] / 11 = 761/11 = 69.2$

Question 85 :

A loan is returned in two equal yearly installments of ₹15,808. What is the total amount of the loan if the rate of compound interest, compounded annually, is 10% per annum?



Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 12,450
2. 10080
3. 18,000
4. 10,800

Solution :

The correct answer is **option 2** i.e. **12,450**

Given that

Two equally yearly installments = ₹15,808

The rate of interest = 10% annually

Formula used

For 2 Yearly equal installments

$$\text{Total amount of loan} = x/(1 + (r/100))^1 + x/(1 + r/100)^2$$

Where, x = instalment , r = rate of interest

Calculation

$$\text{Total amount (Principal)} = 5808 * (10/11) + 5808 * (10/11)^2$$

$$P = 5808 * (10/11) * (21/11) = 10080$$

Question 86 :

A publisher sells a book to a wholesale dealer at a profit of 30%. The wholesaler sells the book to a retailer at a profit of 25%. The book is then sold to a customer for 312, by earning a profit of 20%. What is the cost price (in) of the book for the wholesale dealer?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 260
2. 200



$$= 6060 - 60 = 6000 \text{ Rs}$$

According to the question

This amount is divided in ratio = 5 : 7 : 8

$$\text{C's share} = (8/20) * 6000 = 2400 \text{ Rs}$$

$$\text{Hence, the original share of C} = 2400 + 25 = 2425 \text{ Rs}$$

Question 88 :

A spherical solid lead ball of radius 9 cm is melted and small solid lead balls of radius 3 mm are made. What is the number of small balls made?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 27,000
2. 15,000
3. 25,000
4. 30,000

Solution :

The correct answer is **option 1** i.e. **27,000**

Given that

The radius of a spherical solid ball = 9 cm = 90 mm

The radius of a spherical small solid ball = 3 mm

Formula used

$$V = \frac{4}{3} r^3, \text{ where } V = \text{volume and } r = \text{radius}$$

According to the question

Number of small balls = Volume of large ball / Volume of a small ball

$$= (90 * 90 * 90) / (3 * 3 * 3) = 27000$$

Question 89 :

A cow is tied to a peg at one corner of a square-shaped grass field of side 20.5 m. The length of the rope is 10.5 m. What is the area (in m²) of the field in which the cow CANNOT graze? Use = (Use (pi=rac{pi}{7}))

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 333.625
2. 350
3. 86.625
4. 175

Solution :

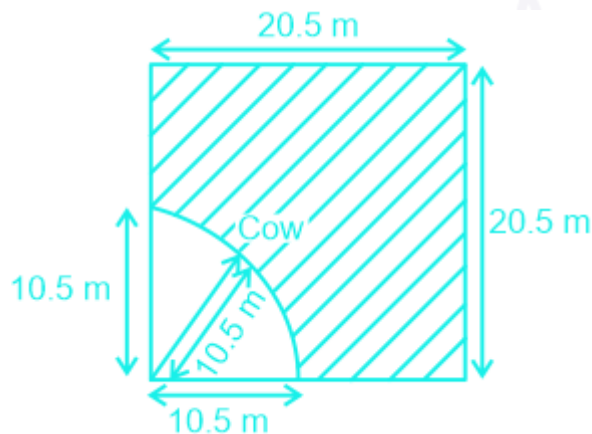
The correct answer is **option 1** i.e. **333.625**

Given that

A square-shaped grass field of length = 20.5 m

The length of the rope from which cow is tied = 10.5 m

According to the question



We show in figure

The area which is not grazed by cow (Shaded area) = Area of square - Area of a quadrant of radii 10.5 m

$$\begin{aligned} \text{Shaded area} &= 20.5 * 20.5 - (r^2)/4 = 20.5^2 - (22/7) * 10.5 * 10.5/4 \\ &= 420.25 - 86.625 = 333.625 \text{ m}^2 \end{aligned}$$

Question 90 :

What is the difference between the compound interest compounded annually and the simple interest on ₹1,16,000 for 3 years at 5% per annum?



Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. ₹ 130
2. ₹ 140
3. ₹ 150
4. ₹ 122

Solution :

The correct answer is **option 1** i.e. ₹ 122

Formula used

For 3 years

$$CI - SI = P * (r/100)^2 * (3 + (r/100))$$

where, P = principal amount, r = rate of interest

Calculation

$$CI - SI = 16000 * (5/100)^2 * (3 + (5/100)) = 40 * 61/2 = 122 \text{ Rs}$$

Question 91 :

What will be the result of the following MS Excel formula? = CEILING (7, 5)

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. 8
2. 10
3. 5
4. 7

Solution :

The correct answer is **option 2** i.e. 10.

CEILING function is a maths and trig function in Excel.

CEILING(number,significance)

Number: The value you want to round.

Significance: The multiple to which you want to round.

Rules:

1. If either argument is non-numeric, the CEILING function will return the #VALUE! error value.
2. If the number is an exact multiple of significance, no rounding occurs.
3. If the number is negative, and the significance is negative, the value is rounded down, away from zero.
4. If the number is negative, and the significance is positive, the value is rounded up toward zero.

Given formula = CEILING (7, 5)

The formula will round up 7 to the nearest multiple of 5 i.e. 10.

Question 92 :

Which of the following keys is used to select a range of continuous cells in an MS Excel worksheet?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Alt
2. Shift
3. Tab
4. Ctrl

Solution :

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

Shift key is used to select a range of continuous cells in an MS Excel worksheet.

The **Alt key** is used to display the ribbon shortcuts.

The **Tab key** is used to move the cursor to the next field or cell.

Question 93 :

Which of the following appears at the top of a worksheet in MS Excel?

Difficulty : Moderate

Average Time : 47 Seconds



Options :

1. Status bar
2. Horizontal scroll bar
3. Vertical scroll bar
4. Formula bar

Solution :

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

The formula bar is at the top of a worksheet in MS Excel.

Formula bar:

In this, you can check the formula used in the cell.

Status bar:

It is a horizontal bar at the bottom of the worksheet window. It displays important details about the current status of the open spreadsheet.

Vertical scroll bar:

It is used to view the data in Excel from up and down.

Horizontal scroll bar:

It is used to view the data from left to right.

Question 94 :

Which of the following statements about MS Word table is FALSE?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. Two or more consecutive cells of a column can be merged.
2. Two or more consecutive cells of a row can be merged.
3. Alternate cells of a row or column cannot be merged.
4. The first and last cells of a table can be merged.

Solution :

The correct answer is **option 4** i.e. **The first and last cells of a table can be merged**.



Merging combines two or more cells to create a new, larger cell. To merge the cells, the cells need to be in consecutive positions.

Hence, the first and last cells of a table cannot be merged.

Question 95 :

State whether the following statements are true or false. (i) In MS Word, all paragraphs can have the right alignment. (ii) In MS Word, all paragraphs cannot have the same hanging position.

Difficulty : Moderate**Average Time : 59 Seconds****Options :**

1. (i) False, (ii) False
2. (i) True, (ii) False
3. (i) True, (ii) True
4. (i) False, (ii) True

Solution :

The correct answer is **option 2** i.e. **(i) True, (ii) False.**

(i) In MS Word, all paragraphs can have the right alignment. - True

Yes, we can have all the paragraphs in the right alignment.

Shortcut: Ctrl + R

(ii) In MS Word, all paragraphs cannot have the same hanging position.- False

No, all paragraphs cannot be hanging in the same hanging position. After the first line of the paragraph, the rest of the lines are indented.

Question 96 :

Which of the following does NOT appear as a part of the 'Clipboard' command group under the Home menu in recent versions of MS Word, such as Word 2016?

Difficulty : Moderate**Average Time : 61 Seconds****Options :**

1. Format Painter

Paste

3. Cut

4. Show / Hide

Solution :

The correct answer is **option 4** i.e. **Show / Hide**.

The show/hide option does not appear as a part of the 'Clipboard' command group under the Home menu in recent versions of MS Word, such as Word 2016.

The options that are available in the Clipboard section:

1. Cut
2. Copy
3. Paste
4. Format Painter

Question 97 :

POP is an email-related protocol. What is the full form of POP?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Partial Order Program
2. Post Office Protocol
3. Post Office Progress
4. Partial Order Protocol

Solution :

The correct answer is **option 2** i.e. **Post Office Protocol**.

POP: Post Office Protocol

It is an application-layer Internet standard protocol used by e-mail clients to retrieve e-mail from a mail server.

Current version: POP version 3

The POP3 client is installed on the recipient system while the POP3 server is installed on the recipient's mail server.

Question 98 :



Which of the following keyboard shortcuts is used to move through each of the open tabs going to the right in a Chrome browser?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Alt + N
2. Ctrl + N
3. Alt + Tab
4. Ctrl + Tab

Solution :

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

Ctrl + Tab: Used to move through each of the open tabs going to the right in a Chrome browser.

Ctrl + N: Opens a new window.

Alt + Tab: Used to switch between open programs in Microsoft Windows.

Alt + N: Used to minimize the current window.

Question 99 :

Home page is the _____ page of a website.

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. about
2. last
3. first
4. middle

Solution :

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

The home page is the **first** page of a website.

When a user tries to go to a site via a search engine, the URL loads, and the home page opens up.

**Question 100 :**

Which of the following view options in MS Word shows the contents of a document as bulleted points?

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

1. Draft
2. Web Layout
3. Outline
4. Print Layout

Solution :

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

Outline in MS Word shows the contents of a document as bulleted points.

The outline tab is present in the View tab Outline.

It helps to manage a document's structure and headings without getting lost in the text.

The **draft** is used to show the user what the document would look like in a paper.

Web Layout enables us to view the document as it would appear in a web browser.

Print Layout is used to see how the document would appear when printed as it's being edited.

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 Afternoon 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, 15 questions were asked from Numerical Ability and 10 questions were asked from Computer Knowledge
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 - 3
3. Classification - 1
4. Venn Diagrams - 2
5. Figure Based - 12
6. Series - 2
7. Mathematical Reasoning - 2
8. Cubes And Dice - 2

General Awareness

1. Art And Culture - 50

Numerical Ability

Computer Knowledge

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.