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 2020-12-03 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.

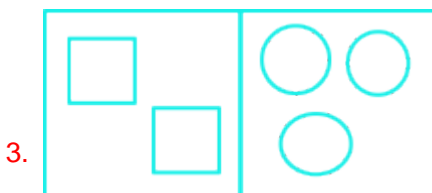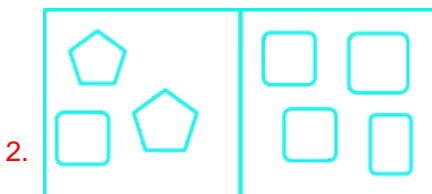# Delhi Police Constable Tier 1 Previous Year Question Paper : Questions and Solutions

Question 1 :
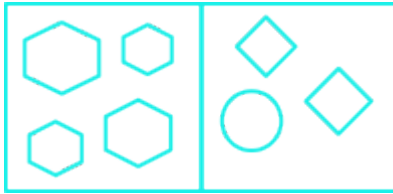Select the option in which the figures share the same relationship as that shared by the given pair of figures.

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

Options :

1.

2.

3.

4.

Solution :

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

The logic used here is:

Logic between A and B:

The number of sides of the figure and the number of figure increases by one.

Number of figures in A = 2

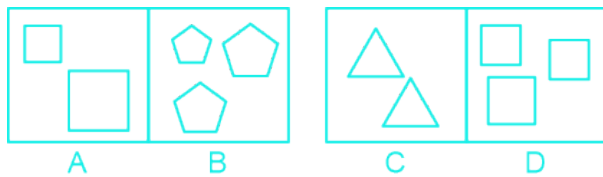Number of sides in A = 4

Number of figures in B = 3

Number of sides in B = 5

Similarly; the pattern will be followed by option 1.

The pattern is:

Question 2 :
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 : 80 Seconds**

Options :

1.

2.

3.

4.

Solution :

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

The logic used here is:

Logic between 1 and 2:

The inner figure becomes the outer figure in Figure 2.

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

The pattern is:
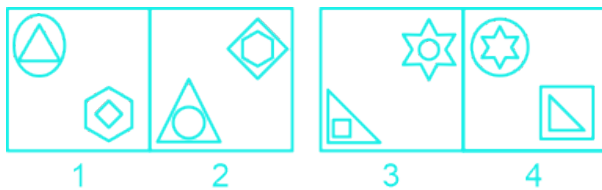
Question 3 :

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

Difficulty : Moderate	**Average Time : 68 Seconds**

Options :

1.

2.

3.

4.

Solution :

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

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

Question 4 :

Select the option that is related to the third number in the same way as the second number is related to the first number. 8: 504:: 9:?

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. 81
2. 265
3. 720
4. 704

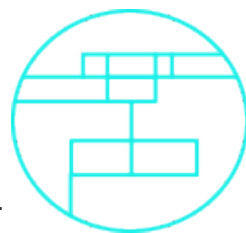**Solution :**

The correct answer is **option 3** i.e. **720.**

The logic used here is:

8: 504

$8^3 - 8 = 512 - 8 = 504$

Similarly;

9:?

$9^3 - 9 = 729 - 9 = 720$

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

Question 5 :

The noted dancer Ranjana Gauhar is an exponent of which of the following dance styles?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

   Odissi

2. Kathak

3. Bharatnatyam

4. Kuchipudi

Solution :

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

- Ranjana Gauhar is a famous Odissi dancer, choreographer, and film producer. She has also been awarded the Padmashree and Sangeet Natak Akademi awards.
- Odissi is a significant ancient Indian classical dance that originated in the temples of Odisha.

Question 6 :

Which of the following statements is true about the human eye?

Difficulty : Moderate   **Average Time : 42 Seconds**

Options :

1. Rods are fewer than cones in the periphery of the retina

2. The auditory nerve transmits signals to the brain

3. The eye lens focuses light on the retina

4. The pupil controls the iris

Solution :

The correct answer is **option 3** i.e. **The eye lens focuses light on the retina.**

- The retina is a layer of photoreceptor cells and glial cells within the eye that captures incoming photons.
- The retina is located in the posterior segment and forms the innermost boundary among the other major layers of the eye including the vascular choroid and the fibrous sclera.

Question 7 :

Who was named as the captain of Cricket Australia's Test team of the decade in December 2019?

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

Options :

1. Virat Kohli

Dale Steyn

3. Alastair Cook

4. Steve Smith

Solution :

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

- Virat Kohli is the former cricket team captain of India.
- Kohli holds the record in his career for the fastest to reach 10,000 ODI runs.
- Kohli was honored with the Arjuna Award in 2013, the Padma Shri under the sports category in 2017, and the Khel Ratna award, India's highest sporting honor, in 2018.
- Kohli also won the ICC Test Player of the Year and ICC ODI Player of the Year awards in 2018, becoming the first player to win both awards in the same year.

Question 8 :

According to the Economic Survey 2020, India become the largest emerging green bond market in the world.

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

Options :

1. 2nd

2. 3rd

3. 4th

4. 5th

Solution :

The correct answer is **option 1** i.e. **2nd.**

- A green bond is a fixed-income instrument designed to support specific climate-related or environmental projects.
- Colombia, Egypt, India, and Indonesia are among 19 emerging-market countries funding renewable energy and mass transit from the proceeds of green bonds.
- India joined this group in early 2023, launching its first green bond to raise for projects that contribute to climate change mitigation, adaptation, environmental protection, resource and biodiversity conservation, and net zero objectives.

Question 9 :

It is declared on the basis of the recommendation of the Commission for Agricultural Costs and Prices.

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Revenue Department

2. Department of Agriculture, Cooperation and Farmers Welfare

3. Department of Expenditure

4. Department of Economic Affairs

Solution :

The correct answer is **option 2** i.e. **Department of Agriculture, Cooperation and Farmers Welfare.**

- The ministry was established on 15 August 1947 as the "Ministry of Food and Agriculture".
- The Ministry of Agriculture & Farmers Welfare is a branch of the Government of India for formulation and administration of the rules regulations and laws related to agriculture in India.
- Narendra Singh Tomar is the present Minister of Agriculture and Farmers' Welfare.

Question 10 :

The Battle of Kannauj was fought between Sher Shah Suri and Humayun in:

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 1534

2. 1536

3. 1538

4. 1540

Solution :

The correct answer is **option 4** i.e. **1540.**

- The Battle of Kannauj took place in 1540 between Sher Shah Suri and Humayun where Humayun was defeated.
- After the battle of Kannauj Sher Shah became the sultan of Agra and Delhi.
- This battle is also known as the Battle of Bilgram.

Question 11 :

In which state is the Onam festival primarily celebrated?

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. Tamil Nadu
2. Telangana
3. Karnataka
4. Kerala

Solution :

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

- Onam is an annual cultural festival in India related to Hinduism celebrated mostly by the people of Kerala.
- Onam festival commemorates the annual visit of mythical king Mahabali who is considered to have ruled ancient Kerala.
- The decorations, festivities, and indulgences are the state's residents' way of showing their prosperity and happiness to their celebrated king.

Question 12 :

How many fundamental duties are provided by Part IVA of the Constitution of India?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 19
2. 14
3. 11
4. 8

Solution :

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

Fundamental duties.—It shall be the duty of every citizen of India—

1. To abide by the Constitution and respect its ideals and institutions, the National Flag, and the National Anthem.
2. To cherish and follow the noble ideals which inspired our national struggle for freedom.
3. To uphold and protect the sovereignty, unity, and integrity of India.
4. To defend the country and render national service when called upon.
5. To promote harmony and the spirit of common brotherhood amongst all the people of India transcending religious,

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linguistic, and regional or sectional diversities; to renounce practices derogatory to the dignity of women.

6. To value and preserve the rich heritage of our composite culture.
7. To protect and improve the natural environment including forests, lakes, rivers, and wildlife, and to have compassion for living creatures.
8. To develop the scientific temper, humanism, and the spirit of inquiry and reform.
9. To safeguard public property and to abjure violence.
10. To strive towards excellence in all spheres of individual and collective activity so that the nation constantly rises to higher levels of endeavor and achievement.
11. Who is a parent or guardian to provide opportunities for education to his child or, as the case may be, ward between the age of six and fourteen years.

Question 13 :
Identify the State with which Telangana does NOT share its boundary.

Difficulty : Moderate   **Average Time : 91 Seconds**

Options :
1. Karnataka
2. Andhra Pradesh
3. Tamil Nadu
4. Chhattisgarh

Solution :
The correct answer is **option 3** i.e. **Tamil Nadu.**

- Telangana is a constituent state of south-central India.
- Telangana shares a border with Maharashtra to the north, Chhattisgarh and Odisha to the northeast, Andhra Pradesh to the southeast and south, and Karnataka to the west.
- Telangana was formed in June 2014 after separation from Andhra Pradesh.

Question 14 :
Subhas Chandra Bose was elected President of _____ Congress Session in 1938.

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

Options :
1. Haripura

Calcutta

3. Delhi

4. Lucknow

Solution :

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

- Subhas Chandra Bose was born on 23rd January 1897 in Cuttack Orissa.
- Subhas Chandra Bose became the president of Congress in 1839.
- Forward Bloc was a political party of the Indian Nation Congress formed by Subhas Chandra Bose in 1839 who had resigned from the presidency of the Indian National Congress on 29 April after being outmaneuvered by Mohandas Karamchand Gandhi.
- He also led an Indian national force from abroad against the Western powers during World War II.

Question 15 :

The waters within the territory of India, as measured from the appropriate baseline, extend out into the sea to a distance of _____.

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

Options :

1. 16

2. 12

3. 21

4. 18

Solution :

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

- The sovereignty of India extends and has always extended to the territorial waters of India and to the seabed and subsoil underlying, and the air space over, such waters.
- Territorial waters are known as an area of water where a state has jurisdiction, including internal waters, and the territorial sea.
- The limit of the territorial waters is the line every point of which is at a distance of 12 nautical miles from the nearest point of the appropriate baseline.

Question 16 :

Who among the following founded the Forward Bloc in 1939?

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

Options :

1. Mahatma Gandhi

2. Sardar Vallabhbhai Patel

3. Subhas Chandra Bose

4. Jawaharlal Nehru

Solution :

The correct answer is **option 3** i.e. **Subhas Chandra Bose.**

- Subhas Chandra Bose was born on 23rd January 1897.
- Subhas Chandra Bose became the president of Congress in 1839.
- Forward Bloc was a political party of the Indian Nation Congress formed by Subhas Chandra Bose in 1839 who had resigned from the presidency of the Indian National Congress on 29 April after being outmaneuvered by Mohandas Karamchand Gandhi.

Question 17 :

Which of the following is the Directive Principle of State Policy?

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

Options :

1. Protection of life and personal liberty

2. Formation of Gram Panchayats

3. Protection of interests of minorities

4. Abolition of untouchability

Solution :

The correct answer is **option 2** i.e. **Formation of Gram Panchayats**.

Directive Principles of State:-

- Directive Principles of State Policy aim to create social and economic conditions under which the citizens can lead a good life.

They also aim to establish social and economic democracy through a welfare state.

Formation of Gram Panchayats:-

- Gram panchayat is a basic governing institution in Indian villages.
- The members of the Gram panchayat are elected directly by the people. The President of Gram Panchayat is called Pradhan or Sarpanch.
- There are about 250,000 Gram panchayats in India.

Question 18 :

The image formed in a plane mirror is _____.

Difficulty : Moderate   Average Time : 61 Seconds

Options :

1. diminished

2. blurred and inverted

3. laterally inverted

4. magnified

Solution :

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

- A plane mirror is a mirror that has a flat reflective surface.
- When the light strikes on the plane mirror then the angle of reflection equals the angle of incidence.
- Characteristics of the image formed by a plane mirror: It is virtual, that is, it is formed behind the mirror without the actual intersection of light rays. It is straight i.e. straight. The image is laterally inverted i.e. inverted from left to right.

Question 19 :

Where is ICAR-Central Potato Research Institute (CPRI) located?

Difficulty : Moderate   Average Time : 53 Seconds

Options :

1. Lucknow

2. Jalandhar

3. Shimla

4. Thiruvananthapuram

Solution :

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

- Potato is one of the major non-cereal food crops and currently ranks 4th in production in the world after maize, wheat, and rice.
- The productivity of potatoes in India is quite low (18.75 t/ha) due to various biotic and abiotic stress there is a scope for improving the productivity of potatoes in sub-tropical climates of India.
- Hence, the need for AICRP on Potato was felt to carry out region-specific trials on the evaluation of new hybrids, agronomic practices, potato-based cropping systems, control measures for various diseases and pests, potato storage practices and identification of methods for reducing post-harvest losses.
- In view of these eventualities, the All India Coordinated Research Project (AICRP) on Potato was initiated during the 4th Five Year Plan in the year 1970-71.

Question 20 :

Which of the following is a symptom of iodine deficiency in the body?

Difficulty : Moderate   **Average Time : 67 Seconds**

Options :

1. Sudden weight loss

2. Convulsion

3. Swelling of thyroid glands

4. Night blindness

Solution :

The correct answer is **option 3** i.e. **Swelling of thyroid glands.**

- Iodine deficiency occurs when the soil is poor in iodine.
- When iodine requirements are not met, the thyroid may no longer be able to synthesize sufficient amounts of thyroid hormone.
- Iodine deficiency is a significant cause of mental developmental problems in children, including implications on reproductive functions and lowering of IQ levels in school-aged children.

Question 21 :

As per its preamble, RBI CANNOT have more than _____ deputy governor/s?

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

Options :

two

2. one

3. four

4. three

Solution :

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

- As per the RBI Act of 1934, the central bank should have four deputy governors – two from within the ranks, a commercial banker, and an economist heading the monetary policy department.
- Swaminathan Janakiraman is the present Deputy Governor of the Reserve Bank of India,
- The Reserve Bank of India is India's central bank and regulatory body responsible for the regulation of the Indian banking system.

Question 22 :

Who among the following founded the Servants of India Society in 1905?

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

Options :

1. Dadabhai Naoroji

2. Motilal Nehru

3. Gopal Krishna Gokhale

4. Lala Lajpat Rai

Solution :

The correct answer is **option 3** i.e. **Gopal Krishna Gokhale.**

- Gopal Krishna Gokhale was born in 1866.
- He was an Indian political leader and a social reformer during the Indian independence movement and a political mentor of Indian freedom fighter Mahatma Gandhi.
- Gopal Krishna Gokhale became a member of the Indian National Congress in 1889.

Question 23 :

Margaret Atwood and _____ were named the joint winners of the 2019 Booker Prize.

Difficulty : Moderate   **Average Time : 47 Seconds**

Options :

Lucy Ellmann

2. Elif Shafak
3. Bernardine Evaristo
4. Chigozie Obioma

Solution :
The correct answer is **option 3** i.e. **Bernardine Evaristo.**

- Bernardine Evaristo is a British author and academic.
- Her novel Girl, Woman, jointly won the Booker Prize in 2019 alongside Margaret Atwood's The Testaments, making her the first Black woman to win the Booker.
- She is a lifetime Honorary Fellow of St Anne's College, University of Oxford, and an International Honorary Member of the American Academy of Arts & Sciences.

Question 24 :
As of July 2020, the Government of India set the target of doubling farmers' income by which of the following years?

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

Options :
1. 2025
2. 2021
3. 2023
4. 2024

Solution :
The correct answer is **option 1** i.e. **2025.**

- The government constituted an Inter-Ministerial Committee in April 2016 to examine issues relating to the "Doubling of Farmer's Income (DFI)" and recommended strategies to achieve the same.

The committee identified following seven sources of income growth:-

- Increase in crop productivity.
- Increase in livestock productivity.
- Resource use efficiency – reduction in cost of production.
- Increase in cropping intensity.
- Diversification to high-value agriculture.

Remunerative prices on farmers' produce.
- The shift of surplus manpower from farm to non-farm occupations.

Question 25 :

With which of the following instruments is the musician Tulsidas Borkar associated?

Difficulty : Moderate   **Average Time : 57 Seconds**

Options :

1. Shehnai

2. Tabla

3. Harmonium

4. Flute

Solution :

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

- Tulsidas Borkar was an Indian music composer and harmonium player.
- The Government of India awarded him the Padma Shri in 2016.
- He was awarded with the Sangeet Natak Akademi Award in 2005.

Question 26 :

Which of the following Articles of the Constitution of India provides the procedure for impeachment of the President?

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

Options :

1. Article 78

2. Article 73

3. Article 61

4. Article 88

Solution :

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

Article 61, Constitution of India 1950

- When a President is to be impeached for violation of the Constitution, the charge shall be preferred by either House

of Parliament.

No such charge shall be preferred unless —

- The proposal to prefer such change is contained in n resolution that has been moved after at least fourteen days' notice in writing signed by not less than one-fourth of the total number of members of the House has been given of their intention to move the resolution, and
- Such a resolution has been passed by a majority of not less than two-thirds of the total membership of the House.

Question 27 :

In which state is Gol Gumbaz, the tomb of Adil Shah, situated?

Difficulty : Moderate   Average Time : 63 Seconds

Options :

1. Karnataka

2. Tamil Nadu

3. Kerala

4. Telangana

Solution :

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

- Gol Gumbaz is the most famous monument in Vijayapura it is the tomb of Mohammed Adil Shah.
- It is the second largest dome ever built, after St Peter's Basilica in Rome.
- Mohammad Adil Shah was the 7th sultan of the Adil Shahi dynasty.

Question 28 :

The National Assembly of the Republic of Mauritius had unanimously elected _____ as the President of Mauritius in December 2019.

Difficulty : Moderate   Average Time : 47 Seconds

Options :

1. Ameenah Gurib-Fakim

2. Prithvirajsing Roopun

3. Rajkeswur Purryag

4. Pravind Kumar Jugnauth

Solution :

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

- Prithvirajsing Roopun was born in a Hindu family and grew up in Morcellement St. Jean, a suburb of Quatre Bornes.
- He served as minister of arts and culture from January 2017 to November 2019.
- He was the deputy speaker of the National Assembly of Mauritius from 2010 to 2012.

Question 29 :

The Battle of Khanwa was fought between _____ and Rana Sanga.

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

Options :

1. Aurangzeb

2. Shah Jahan

3. Jahangir

4. Babur

Solution :

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

- The Battle of Khanwa was fought at Khanwa on March 16, 1527. It was fought between the Babur and the Rana Sanga for supremacy in Northern India.
- It was the earliest battle in Northern India where gunpowder was used to a great extent.
- Babur was the founder of the Mughal dynasty.

Question 30 :

Who among the following is known as 'Frontier Gandhi'?

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

Options :

1. Chandra Shekhar Azad

2. Khan Abdul Ghaffar Khan

3. Jawaharlal Nehru

4. Bhagat Singh

Solution :

The correct answer is **option 2** i.e. **Khan Abdul Ghaffar Khan.**

- Abdul Ghaffar Khan was a Pashtun independence activist and founder of the Khudai Khidmatgar resistance movement against British colonial rule in India.
- Due to his similar ideologies and close friendship with Mahatma Gandhi, he was nicknamed Sarhadi Gandhi.

Question 31 :
Which of the following Articles of the Constitution of India deals with Administrative tribunals?

Difficulty : Moderate   Average Time : 46 Seconds

Options :

1. Article 323A
2. Article 271
3. Article 290A
4. Article 307

Solution :
The correct answer is **option 1** i.e. **Article 323A.**

- This Article was introduced in the Constitution in 1976.
- Provide for the establishment of an administrative tribunal for the Union and a separate administrative tribunal for each State or for two or more States.
- Specify the jurisdiction, powers (including the power to punish for contempt) and authority which may be exercised by each of the said tribunals.
- Provide for the procedure (including provisions as to limitation and rules of evidence) to be followed by the said tribunals.

Question 32 :
Dumhal is a famous folk dance of which of the following states?

Difficulty : Moderate   Average Time : 54 Seconds

Options :

1. Uttarakhand
2. Chhattisgarh
3. Madhya Pradesh
4. Jammu and Kashmir

Solution :

The correct answer is **option 4** i.e. **Jammu and Kashmir.**

- Dumhal is a dance form performed by the Watal tribe in Jammu and Kashmir.
- Only the men folk of the Watal tribe are privileged to perform this dance, on specific occasions and at set locations.
- The performers of this folk dance form move in a ritual manner and dig a banner into the ground on set occasions.

Question 33 :

The water cycle is also called _____.

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

Options :

1. geo cycle

2. hydrologic cycle

3. hydrophobic cycle

4. hydrogen cycle

Solution :

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

- The hydrologic cycle involves the continuous circulation of water in the Earth-Atmosphere system.
- The water cycle is the motion of the water from the ground to the atmosphere and back again.
- There are many processes involved in the water cycle, the most important are evaporation, transpiration, condensation, precipitation, and runoff.

Question 34 :

Who won the Women's Singles title at the 2020 Australian Open?

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

Options :

1. Garbine Muguruza

2. Sofia Kenin

3. Simona Halep

4. Serena Williams

Solution :

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

- Sofia Kenin is an American professional tennis player.
- She was the 2020 WTA Player of the Year, by winning the 2020 Australian Open and finishing runner-up at the 2020 French Open.
- She became the youngest American to win a major women's singles title after Serena Williams in 1999.

Question 35 :

As per the findings of the 2011 Census, Kerala has the highest sex ratio with 1084 females per 1000 males while _____ has the lowest sex ratio in India with just 877 women per 1000 males.

Difficulty : Moderate   **Average Time : 52 Seconds**

Options :

1. Punjab

2. Rajasthan

3. Jharkhand

4. Haryana

Solution :

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

- According to Census 2011, Haryana has a population of 2.54 Crores.
- The total population of Haryana as per 2011 census data is 25,351,462 of which males and females are 13,494,734 and 11,856,728 respectively.
- According to 2011 census data, the population of Haryana forms 2.09% of India in 2011.
- The sex ratio in Haryana is 877 for every 1000 males, which is below the national average of 940 as per the latest census. In 2001.

Question 36 :

Which of the following gases is necessary for combustion?

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

Options :

1. Hydrogen

2. Sulfur dioxide

3. Carbon monoxide

Oxygen

Solution :

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

- Combustion is a high-temperature redox chemical reaction between a fuel and an oxidant usually oxygen.
- In an internal combustion engine (ICE), the ignition and combustion of the fuel take place within the engine itself.
- The engine then partially converts the energy obtained from combustion into work.

Question 37 :

Seed Crop Insurance began in India in the year _____.

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

Options :

1. 1994-1995

2. 1999-2000

3. 2003-2004

4. 1991-1992

Solution :

The correct answer is **option 2** i.e. **1999-2000.**

Objectives of Seed Crop Insurance.

- To provide financial security & income stability to the breeder/seed growers in the event of failure of the seed crop.
- To strengthen confidence in the existing seed breeder/ growers and stimulate the participation of new breeder/ growers to undertake seed production program of newly released hybrid/improved varieties.
- To provide stability to the infrastructure established by the state-owned seed corporations/state farms.
- To give a boost to the modern seed industry to bring it under scientific principles.

Question 38 :

Who among the following was selected as the IMF's Managing Director by the Executive Board of the International Monetary Fund (IMF) in September 2019?

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

Options :

1. Kristalina Georgieva

David Lipton

3. Gita Gopinath

4. Abebe Aemro Selassie

Solution :

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

- Kristalina Georgieva is a Bulgarian economist serving as the 12th managing director of the IMF since 2019.
- Kristalina Georgieva was the chief executive of the World Bank Group from 2017 to 2019.
- Georgieva was born in Sofia in 1953.

Question 39 :

Who among the following became the world's youngest-serving Prime Minister in December 2019?

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

Options :

1. Katri Kulmuni

2. Sanna Marin

3. Li Andersson

4. Maria Ohisalo

Solution :

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

- Sanna Marin was born in 1985.
- Sanna Marin has served as the leader of the Social Democratic Party of Finland (SDP) since 2020.
- She served as the prime minister of Finland from 2019 to 2023.

Question 40 :

What is the National Game of the US?

Difficulty : Moderate   **Average Time : 42 Seconds**

Options :

1. Tennis

2. Basketball

Baseball

4. Golf

Solution :

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

- Baseball is a bat ball game played between two teams with 9 players each.
- Baseball unofficially debuted at the Summer Olympics in 1904 in St. Louis. It became an official Olympic sport at the 1992 Summer Olympics in Barcelona.
- Cuba won three times gold medals in baseball in the Olympics.

Question 41 :

What is the name of the scheme announced by the Government of India to boost production and processing of tomatoes, onions and potatoes as part of an objective to check price volatility in these items?

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

Options :

1. Operation Pinks

2. Operation Greens

3. Operation Yellows

4. Operation Whites

Solution :

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

Operation Greens was announced in the budget speech of the Union Budget 2018-19.

Objectives:
Long Term Interventions

- Enhancing value realization of farmers by targeted interventions to strengthen production clusters and FPOs, and linking/ connecting the farmers with the market.
- Reduction in post-harvest losses by creation of farm gate infrastructure, development of suitable agri-logistics, and creation of appropriate storage capacity linking consumption centers.
- Increase in food processing capacities and value addition in the value chain by creating firm linkages with identified production clusters.
- Proposals for seeking assistance under the scheme are invited through Expression of Interest (EOI). The applicant fulfilling the eligibility criteria under the scheme is required to submit the online application on SAMPADA portal of

the ministry.

Short-Term Interventions

- The objective of the Scheme is to protect the growers of Eligible Crops from making distress sales and to reduce post-harvest losses.
- Components & Pattern of Assistance.
- The subsidy is provided @ 50% on the following two components as per the provisions of scheme guidelines: Transportation.
- Hiring of appropriate storage facilities for TOP Crops;

Question 42 :
Which of the following values represents the pH of an acidic solution?

Difficulty : Moderate   Average Time : 86 Seconds

Options :
1. 9
2. 12
3. 8
4. 2

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

- pH value is a measurement of the acidity and basicity nature of an aqueous solution.
- The concept of pH value was introduced by the Søren Peter Lauritz Sørensen in 1909.
- Acidic solutions are measured to have lower pH values than basic or alkaline solutions.

Question 43 :
Where will the FIFA World Cup 2026 be held?

Difficulty : Moderate   Average Time : 43 Seconds

Options :
1. China, Japan, South Korea
2. Russia, Belarus, Finland
3. US, Canada, Mexico

UAE, Qatar, Saudi Arabia

Solution :

The correct answer is **option 3** i.e. **US, Canada, Mexico**

- FIFA World Cup 2026 will include 48 teams, an expansion of 16 compared with the previous seven tournaments.
- Argentina was the winner of the FIFA World Cup in 2022.
- This tournament was founded in 1930.

Question 44 :

Select the river on which Singur Dam has been built.

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Manjira

2. Jhelum

3. Narmada

4. Cauvery

Solution :

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

- Singur Dam is a hydroelectric and drinking water project located in Telangana.
- This Dam was built on the river Manjira and constructed in 1998.

Question 45 :

Aurangzeb ruled the Mughal empire from _____.

Difficulty : Moderate

Average Time : 37 Seconds

Options :

1. 1655 to 1709 AD

2. 1658 to 1707 AD

3. 1657 to 1709 AD

4. 1656 to 1708 AD

Solution :

The correct answer is **option 2** i.e. **1658 to 1707 AD.**

- Aurangzeb was born in Dahod in 1618.
- Aurangzeb was the son of the Emperor Shahjahan.
- He was the 6th emperor of the Mughal dynasty from 1658 to 1707.

Question 46 :

Which of the following ports in India has been renamed as Deendayal Port?

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

Options :

1. Kandla

2. Cochin

3. Tuticorin

4. Kamarajar

Solution :

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

- Deendayal Port is a seaport in the Kutch district of Gujarat state.
- Kandla Port was constructed in the 1950s as the chief seaport serving western India.

Question 47 :

Which of the following provisions is correct?

Difficulty : Moderate   **Average Time : 38 Seconds**

Options :

1. Part IVA of the Constitution of India deals with citizenship.

2. Part IV of the Constitution of India deals with Directive Principles of State Policy.

3. Part III of the Constitution of India deals with fundamental duties.

4. Part II of the Constitution of India deals with fundamental rights.

Solution :

The correct answer is **option 2** i.e. **Part IV of the Constitution of India deals with Directive Principles of State Policy.**

According to part IV of the constitution of India:-

State to secure a social order for the promotion of the welfare of the people.
- Certain principles of policy are to be followed by the State.
- The State shall ensure that the operation of the legal system promotes justice, on a basis of equal opportunity, and shall, in particular, provide free legal aid, by suitable legislation or schemes.
- The State shall take steps to organize village panchayats and endow them with such powers and authority as may be necessary to enable them to function as units of self-government.
- Right to work, to education, and to public assistance in certain cases.
- Provision for just and humane conditions of work and maternity relief.
- The State shall endeavor to secure for the citizens a uniform civil code throughout the territory of India.
- Provision for free and compulsory education for children.
- Promotion of educational and economic interests of Scheduled Castes, Scheduled Tribes, and other weaker sections.

Question 48 :
Who is the writer of the song "Sare Jahan Se Achha Hindustan Hamara"?

Difficulty : Moderate   Average Time : 95 Seconds

Options :
1. Mohammad Iqbal
2. Rabindranath Tagore
3. Chandra Shekhar Azad
4. Bhagat Singh

Solution :
The correct answer is **option 1** i.e. **Mohammad Iqbal.**

- Muhammad Iqbal Masoudi was a famous poet, leader, and philosopher of undivided India.
- Saare Jahan Se Accha is a patriotic ghazal written in the Urdu language, which became a symbol of opposition to the British Raj during the Indian independence struggle.
- Saare Jahan Se Accha was written by the famous poet Muhammad Iqbal in 1905 and was first recited at Government College, Lahore.

Question 49 :
Who among the following bestowed upon Milkha Singh the title of the 'Flying Sikh'?

Difficulty : Moderate   Average Time : 52 Seconds

Options :

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Jawaharlal Nehru

2. Lal Bahadur Shastri

3. General Ayub Khan

4. General Yahya Khan

Solution :

The correct answer is **option 3** i.e. **General Ayub Khan.**

- Milkha Singh also known as "The Flying Sikh", was an Indian track and field sprinter.
- He was introduced to the sport while serving in the Indian Army.
- He is the only athlete to win gold in 400 meters at the Asian Games as well as the Commonwealth Games.
- Milkha had beaten Khaliq in the 1958 Asian Games champion in 100m and in a 200m event which was closely noticed by General Ayub Khan who gave him the moniker 'Flying Sikh'.

Question 50 :

In which year was RBI nationalised?

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

Options :

1. 1971

2. 1956

3. 1949

4. 1935

Solution :

The correct answer is **option 3** i.e. **1949.**

- The Reserve Bank of India is India's central bank and regulatory body responsible for the regulation of the Indian banking system.
- The Reserve Bank of India was established in 1935 and Nationalised in 1949.
- The Reserve Bank of India is responsible for controlling and maintaining the supply of the Indian Rupee.

Question 51 :

What is the amount of annual health cover available to a family under the Ayushman Bharat Scheme of the Government of India?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. â‚¹4 lakh
2. â‚¹3 lakh
3. â‚¹2 lakh
4. â‚¹5 lakh

Solution :

The correct answer is **option 4** i.e. **â‚¹5 lakh.**

- Ayushman Bharat Pradhan Mantri Jan Arogya Yojana is a national public health insurance scheme of the Government of India that aims to provide free access to health insurance coverage for low-income earners in the country.
- Ayushman Bharat Pradhan Mantri Jan Arogya Yojana was launched in 2018 by the government of India.

Question 52 :

The renowned classical singer Girija Devi was an exponent of which form of Hindustani Classical music?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Tarana
2. Thumri
3. Khayal
4. Dhrupad

Solution :

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

- Girija Devi was an Indian classical singer born in 1929.
- She received Padma Bhushan, Padma Vibhushan, Padma Shri, and many more awards during her career.
- Thumri is a vocal genre or style of Indian music. The term "thumri" is taken from the Hindi verb thumuknaa, which means "to walk with a dancing gait in such a way that the ankle bells tinkle.

Question 53 :

Who is the author of the book 'We Are Displaced: My Journey and Stories from Refugee Girls Around the World'?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Madeleine Albright
2. Greta Thunberg
3. Taslima Nasreen
4. Malala Yousafzai

Solution :

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

- Malala Yousafzai was born in **Swat Valley** in **Pakistan** on **12 July 1997.**
- She is a Pakistani female education activist.
- She won the **Nobel Prize for Peace** in **2014** and became the youngest recipient.

Question 54 :

Part XV of the Constitution of India deals with:

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. official languages
2. amendment of the constitution
3. emergency provisions
4. elections

Solution :

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

- Part XV of the Indian constitution consists of Article 324 to Article 329.

According to these Articles:-

- Superintendence, direction, and control of elections are to be vested in an Election Commission.
- No person is to be ineligible for inclusion in or to claim to be included in a unique, electoral roll based on religion, race, caste, or sex.
- Elections to the House of the People and to the Legislative Assemblies of States to be on the basis of adult suffrage.
- Power of Parliament to make provisions with respect to elections to Legislatures.

Power of Legislature of a State to make provisions with respect to elections to such Legislature.
- Bar to interference by courts in electoral matters.

Question 55 :

Which two numbers should be interchanged to make the given equation correct? 40 × 5 - 30 + 24 ÷ 6 = 181

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. 5 and 6

2. 40 and 30

3. 30 and 24

4. 24 and 6

Solution :

The correct answer is **option 3** i.e. **30 and 24.**

Given equation: 24 × 5 - 30 + 24 ÷ 6 = 181

Option 1: 5 and 6

After interchanging the expression becomes:

= 40 × 6 - 30 + 24 ÷ 5 = 181

= 241.8 is not equal to 181.

Option 2: 40 and 30

After interchanging the expression becomes:

= 30 × 5 - 40 + 24 ÷ 6 = 181

= 30 × 5 - 40 + 4

= 150 - 40 + 4

= 114 is not equal to 181.

Option 3: 30 and 24

After interchanging the expression becomes:

= 40 × 5 - 24 + 30 ÷ 6 = 181

= 40 × 5 - 24 + 5

= 200 - 24 + 5

= 181 is not equal to 181.

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

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

Question 56 :
What is the average speed of a car in kilometres per hour, if the car travels 210 kilometres in 3 hours and 30 minutes?

Difficulty : Moderate   **Average Time : 69 Seconds**

Options :

1. 60
2. 48
3. 45
4. 50

Solution :
The correct answer is **option 1** i.e. **60.**

Distance = 210 km

Time = 3 hours 30 minutes = 3 hrs + (1/2) =7/2 hours

As,

Average speed = Total distance ÷ Total time

Average speed = 210 ÷ (7/2) = 60km/hr

Hence, the average speed of car = 60km/hr.

Question 57 :
Three of the given four figures are similar in a certain manner while one is different. Select the odd one.

Difficulty : Moderate   **Average Time : 42 Seconds**

Options :

1.

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2.

3.

4.
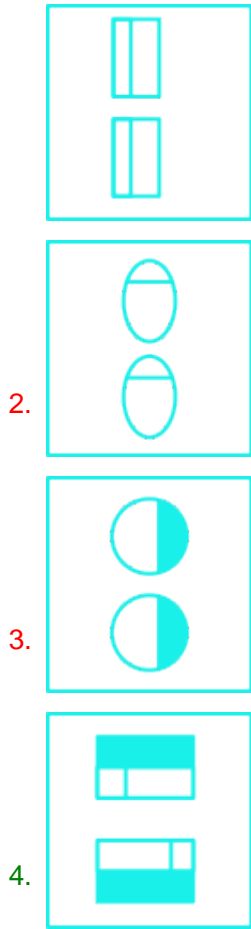
Solution :

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

The logic used here is:

Both the figures in the square are similar, whereas, in option 4, the two figures are not similar.

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

Question 58 :
Select the figure that will replace the question mark (?) in the following figure series.

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1.

2.

3.

4.

Solution :

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

The logic used here is:

The star is moved from one corner to another corner in the clockwise direction and one square is added in each step.

The image series:

Question 59 :

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

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1.

2.

3.

4.

Solution :

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

The figure that will complete the pattern:

Question 60 :

Study the given pattern carefully and select the number that can replace the question mark (?) in it. 17 8 272 9 12 216 16 9 ?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. 272

2. 168

3. 288

4. 128

Solution :

The correct answer is **option 3** i.e. **288.**

The logic used here is:

Row 1:

$17 \times 8 = 136$

$136 \times 2 = 272$

Row 2:

$9 \times 12 = 108$

$108 \times 2 = 216$

Row 3:

$16 \times 9 = 144$

$144 \times 2 = 288$

Question 61 :

Which number will replace the question mark (?) in the following series? 20, 41, 84, 171, 346,?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. 671

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1020

3. 697

4. 691

Solution :

The correct answer is **option 3** i.e. **697.**

Given series: 20, 41, 84, 171, 346,?

The series follows this pattern:

20 × 2 + 1 = 40 + 1 = 41

41 × 2 + 2 = 82 + 2 = 84

84 × 2 + 3 = 168 + 3 = 171

171 × 2 + 4 = 342 + 4 = 346

346 × 2 + 5 = 692 + 5 = 697

So, the next term in the series is **697.**

Question 62 :
A paper is folded and cut as shown below. How will it appear when unfolded?

Difficulty : Moderate   **Average Time : 42 Seconds**
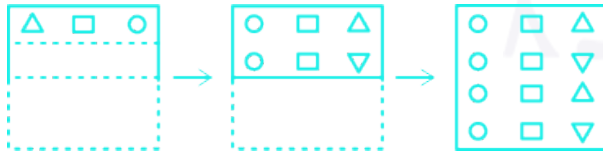
Options :

1.

2.

3.

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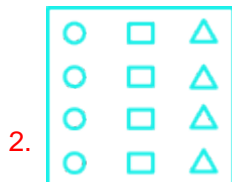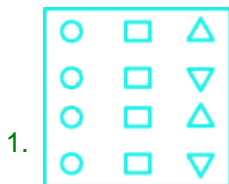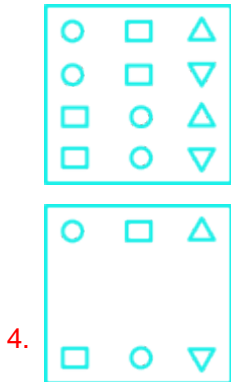
Solution :
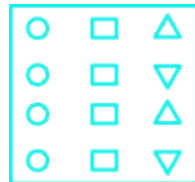
The correct answer is **option 1** i.e.

After unfolding, the paper will appear as follows:

Question 63 :

In the following Venn diagram, the 'rhombus' stands for 'drivers', the 'square' stands for 'government employees', and the 'circle' stands for 'diabetic patients'. The given numbers represent the number of persons in that particular category. How many diabetic patients are neither government employees nor drivers?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. 12

2. 7

3. 8

4. 30

Solution :

The correct answer is **option 4** i.e. **30.**

The number of diabetic patients who are neither government employees nor drivers = Number that is common to circle but not square and rhombus = 30

Question 64 :

Which number will replace the question mark (?) in the following series? 18, 18, 20, 60, 64,?

Difficulty : Moderate   **Average Time : 37 Seconds**

Options :

1. 75

2. 320

3. 330

4. 236

Solution :

The correct answer is **option 2** i.e. **320.**

Given series: 18, 18, 20, 60, 64,?

The series follows this pattern:

18 × 1 = 18

18 + 2 = 20

20 × 3 = 60

60 + 4 = 64

64 × 5 = 320

So, the next term in the series is **320.**

Question 65 :

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

Difficulty : Moderate   **Average Time : 42 Seconds**

Options :

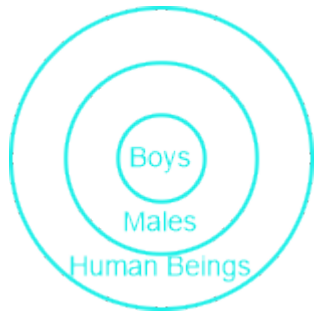1. Pulses, Black-gram, Roots

2. Currency, Rupee, China

Boys, Males, Human beings

4. Doctors, Nurses, Engineers

Solution :

The correct answer is **option 3** i.e. **Boys, Males, Human beings.**

The possible Venn diagram is:

All boys are males. All males are human beings.

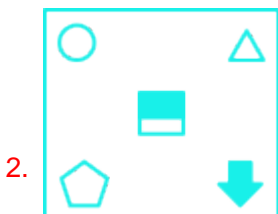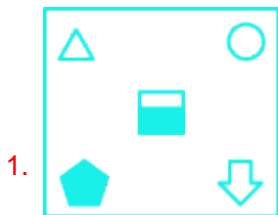Hence, the diagram given above shows the best relationship between them.

Question 66 :

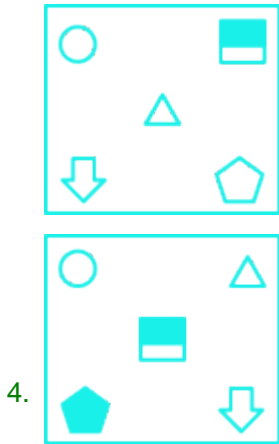Select the figure that will replace the question mark (?) in the following figure series.

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

Options :

1.

2.

3.

4.

Solution :

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

The logic used here is:

1. The top left and top right element interchange their positions.

2. The square at the centre of the square is inverted upside down.

3. The bottom left figure is shaded alternatively.
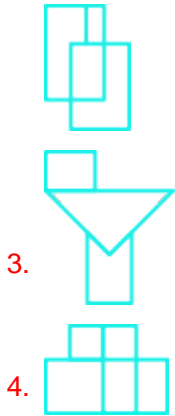
The image series:

Question 67 :
Select the option figure which is embedded in the figure (X) given below (rotation is NOT allowed).

Difficulty : Moderate   **Average Time : 71 Seconds**

Options :

1.

3.

4.

Solution :

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

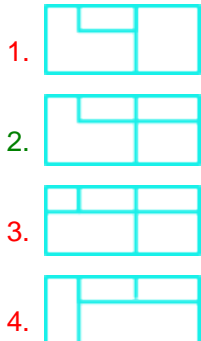The figure in option 1 is embedded in the given figure, as shown below:

Question 68 :
Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern.
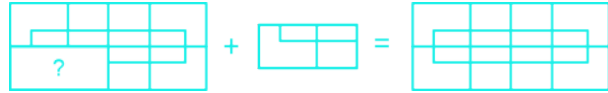
Difficulty : Moderate

Average Time : 63 Seconds

Options :

1.

2.

3.

4.

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Solution :

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

The figure that will complete the pattern:

Question 69 :

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

Difficulty : Moderate   Average Time : 61 Seconds

Options :

Solution :

The correct answer is **option 4** 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 4** is the correct answer.

Question 70 :

Select the option that is related to the third word in the same way as the second word is related to the first word. Cook: Kitchen:: Farmer:?

Difficulty : Moderate   Average Time : 75 Seconds

Options :

Field

2. Fertiliser

3. Garden

4. Crops

Solution :

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

The logic used here is:

Cook: Kitchen

A cook works in the kitchen to make food.

Similarly;

Farmer:?

A farmer works in the field to grow crops.

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

Question 71 :

Three different positions of the identical dice are shown, and the six faces are numbered from 1 to 6. Select the number on the face opposite to the one showing '1'.

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

Options :

1. 4

2. 5

3. 6

4. 2

Solution :

The correct answer is **option 3** i.e. **6.**

In the first and third dice, 3 is common. So, start rotating either in the clockwise or anticlockwise direction.

Clockwise direction:

Dice 1: 3 6 5

Dice 2: 3 1 2

So,1 is opposite to 6.

Anticlockwise direction:

Dice 1: 3 5 6

Dice 2: 3 2 1

So,1 is opposite to 6.

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

Question 72 :
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 : 50 Seconds

Options :
1. TGL
2. DWB
3. UFK
4. KQU

Solution :
The correct answer is **option 4** i.e. **KQU.**

The logic used here is:

Opposite of 1st letter = 2nd letter

2nd letter + 5 = 3rd letter

Option 1: TGL

Opposite of T = G

G + 5 = L

This follows the logic.

Option 2: DWB

Opposite of D = W

W + 5 = B

This follows the logic.

Option 3: UFK

Opposite of U = F

F + 5 = K

This follows the logic.

Option 4: KQU

Opposite of K = P

P + 5 = U

This does not follow the logic.

Hence, **option 4** is the odd one out.
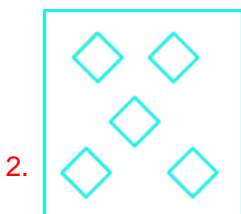
Question 73 :
Three of the given four figures are similar in a certain manner while one is different. Select the odd one.
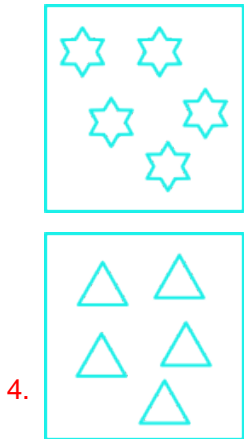
Difficulty : Moderate   **Average Time : 67 Seconds**

Options :

1.

2.

3.

4.

Solution :

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

The logic used here is:

In all options, there are five figures, whereas in option 1, there are six lines.

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

Question 74 :
In a code language, 'PLOTS' is written as 'TUPMQ'. How will 'FRUITS' be written in that language?

Difficulty : Moderate   **Average Time : 62 Seconds**

Options :
1. TUJVSG

2. TUJVTH

3. TUVJTG

4. UTKVSG

Solution :

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

The logic used here is:

'PLOTS' is written as 'TUPMQ'

First, reverse the code.

PLOTS = QMPUT

P + 1 = Q

L + 1 = M

O + 1 = P

T + 1 = U

S + 1 = T

Similarly;

Word for the code FRUITS:

F + 1 = G

R + 1 = S

U + 1 = V

I + 1 = J

T + 1 = U

S + 1 = T

FRUITS = TUJVSG

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

Question 75 :
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 "6"?

Difficulty : Moderate

Average Time : 61 Seconds

Options :
1. 3

2. 5

3. 2

1

Solution :

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

When the sheet is folded along the lines;

6 is opposite to 1.

3 is opposite to 5.

4 is opposite to 2.

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

Question 76 :
What decimal fraction is 195 ml of 5 litres?

Difficulty : Moderate   **Average Time : 38 Seconds**

Options :

1. 0.39

2. 0.0039

3. 3.9

4. 0.039

Solution :

The correct answer is **option 4** i.e. **0.039**

As we know that

1 litre = 1000 ml

5 l = 5000 ml

The decimal fraction = 195/5000

= 0.039

Question 77 :
There are two batches A and B of a class. Batch A consists of 44 students and batch B consists of 56 students. The average weight (in kg) of the whole class, if the average weight of batch A is 43 kg and that of batch B is 39 kg, is:

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 40.76
2. 42.65
3. 39.68
4. 41.59

Solution :

The correct answer is **option 1** i.e. **40.76**

Given that

Students in branch A = 44

The average of students in branch A = 43 kg

Students in branch B = 56

The average of students in branch B = 39 kg

According to the question

The average weight of whole class

= (43 × 44 + 56 × 39)/(44 + 56)

= (1892 + 2184)/100

= 40.76 kg

Question 78 :
The diagonal of a rectangle is 31 cm and its area is 25 cm². The perimeter (in cm) of the rectangle is:

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 15
2. 12
3. 20
4. 18

Solution :

The correct answer is **option 4** i.e. **18**

Let the length of a rectangle = l cm

The breadth of a rectangle = b cm

The diagonal of the rectangle = $(l^2 + b^2)$ = 31

$l^2 + b^2$ = 31

The area of the rectangle = lb = 25 cm^2

As we know that

$(l + b)^2 = l^2 + b^2 + 2 * lb$

$(l + b)^2$ = (31 + (25 * 2)) = 81 cm

l + b = 9 cm

Hence, The perimeter of the rectangle = 2 * (l + b) = 2 * 9 = 18 cm

Question 79 :
25 women can do a piece of work in 60 days. After how many days from the start of the work, should 15 more women join them so that the work is done in 45 days?

Difficulty : Moderate   **Average Time : 64 Seconds**

Options :
1. 18
2. 20
3. 25
4. 15

Solution :

The correct answer is **option 2** i.e. **20**

According to the question

The total work = 25 * 60 = 1500 days

Let, 15 more women join after d days

25 * d + (25 + 15) * (45 - d) = 1500

25 *d + 40 * 45 - 40 * d = 1500

15 * d = 1800 - 1500 = 300

d = 300/15 = 20 days

Question 80 :

The population of certain bacteria in an experimental field increased by 10% in the first year, increased by 8% in the second year, and decreased by 10% in the third year. If the number of bacteria in the experimental field at present is 21384, then the number of bacteria present initially was:

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

Options :

1. 17500

2. 21000

3. 18000

4. 20000

Solution :

The correct answer is **option 4** i.e. **20000**

According to the question

The number of bacteria present initially * (11/10) * (27/25) * (9/10) = 21384

The number of bacteria present initially = 21384 * (10 * 25 * 10)/(11 * 27 * 9)

= 8 * 10 * 25 * 10 = 20000

Question 81 :

On selling 17 balls at Rs. 840, there is a loss equal to the cost price of 5 balls. The cost price (in Rs.) of a ball is:

Difficulty : Moderate   **Average Time : 39 Seconds**

Options :

1. 65

2. 80

3. 75

4. 70

Solution :

The correct answer is **option 4** i.e. **70**

According to the question

loss = 5 CP

17 CP - 17 SP = 5 CP

12 CP = 17 SP

12 CP = 840Rs

CP = 70 Rs

Question 82 :

A boat can go 5 (rac{1}{2})km upstream and 7 km downstream in 45 minutes. It can go 5 km downstream and 2.5 km upstream in 25 minutes. How much time (in minutes) will it take to go 12 km upstream?

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

Options :

1. 48

2. 60

3. 84

4. 72

Solution :

The correct answer is **option 4** i.e. **72**

Let

The speed of a boat in upstream U km/h

The speed of a boat in downstream D km/h

According to the question

$(11/2U) + (7/D) = (45/60) = 3/4$ ....(1

$(5/2U) + (5/D) = (25/60) = 5/12$ ....(2

Now, solving equation (1) * 5 - equation (2) * 7

U = 10 km/h

Now, the required time = 12/10 = 1.2 hours = 1.2 * 60 = 72 minutes

Question 83 :

A certain sum is lent at 5% p.a. for 4 years, 4% p.a. for the next 8 years, and 7% p.a. beyond 12 years. If for a period of 15 years, the simple interest obtained is â,¹43,800, then the sum (in) is:

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

Options :

1. 60,000

2. 50,000

3. 75,000

4. 55,000

Solution :

The correct answer is **option 1** i.e. **60,000**

Let the sum = p Rs

Formula used

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

Calculation

p * 5% * 4 + p * 8 * 4% + p * 7% * 3 = p * 73% = 43800

p = 43800 * 10 /73

p = 60,000 Rs

Question 84 :

What is the product of two consecutive even numbers, the difference of whose squares is 84?

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

Options :

1. 528

2. 440

3. 400

360

Solution :

The correct answer is **option 2** i.e. **440**

Let 2 consecutive even no. = a, a+2

According to the question

$(a + 2)^2 - a^2 = 84$

$a^2 + 4 + 4a - a^2 = 84$

$4a = 80$

$a = 20$

$a + 2 = 22$

Hence, The product of two consecutive no. = 20 * 22 = 440

Question 85 :

On a certain sum (in â,¹), the compound interest is â,¹9,095 at 15% p.a. for 2 (rac{2}{3}) years, when interest is compounded yearly. The principal sum is:

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 22,500

2. 18,000

3. 20,000

4. 21,500

Solution :

The correct answer is **option 3** i.e. **20,000**

According to the question

Compound Interest

for 2 years, rate = 15% & 15% then successive rate for 2 years = 15 + 15 + (15 * 15/100) = 32.25 %

for 2/3 year , rate = 15 *(2/3) = 10%

The successive rate of interest for 2 $\frac{2}{3}$ years = 32.25 + 10 + ((32.25 * 10)/ 100) = 42.25 + 3.225 = 45.475 %

Now, this interest is = 9095 Rs

45.475 % = 9095

100% = (9095/45.475) * 100 = 20000

Hence, The sum = 20,000 Rs

Question 86 :

The marked price of a shirt is 1,824. The shirt is sold at a discount of 18%. If the profit percentage is 14%, then what is the cost price (in) of the shirt?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 1213

2. 1125

3. 1312

4. 1515

Solution :

The correct answer is **option 3** i.e. **1312**

Given that

The marked price = 1824 Rs

Discount = 18 %

The profit = 14 %

According to the question

Cost price = 1824 * (82/114) = 16 * 82 = 1312 Rs

Question 87 :

A metallic sheet is of rectangular shape with dimensions 28 m x 16 m. From each of its corners, a square is cut off so as to make an open box. If the length of the square is 3 m, then the volume of the box (in m³) is:

Difficulty : Moderate

Average Time : 46 Seconds

Options :

550

2. 660

3. 440

4. 770

Solution :

The correct answer is **option 2** i.e. **660**

Given that

A metallic sheet is of rectangular shape with dimensions 28 m x 16 m.

The length of the square = 3 m

Now, the Box is open its length l = 28 - 3*2 = 28 - 6 = 22 m

Its breadth b = 16 - 3 * 2 = 16 - 6 = 10 m

Its height h = 3 m

The volume of the open box = l * b * h = 22 * 10 * 3 = 660 m^3

Question 88 :

Three partners A, B and C divide ₹2,21,000 amongst themselves in such a way that if ₹2,000, 3,000 and ₹4,000 are removed from the sums that A, B and C received, respectively, then the share of the sums that they will get are in the ratio 11 : 18 : 24. How much (in) did B receive?

Difficulty : Moderate   **Average Time : 57 Seconds**

Options :

1. 69,000

2. 72,000

3. 96,000

4. 75,000

Solution :

The correct answer is **option 4** i.e. **75,000**

According to question

First of all

221000 - (2000 + 3000 + 4000) = 212000

Now, this sum is divided in ratio = 11: 18: 24

B receive = 212000 * (18/53) = 18 * 4000 = 72000

Now, the actual share of B = 72000 + 3000 = 75000 Rs

Question 89 :
The least common multiple of the two numbers is 252 and the highest common factor of them is 12. If the difference between the numbers is 48, then what is the sum of the numbers?

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

Options :
1. 144
2. 110
3. 120
4. 140

Solution :

The correct answer is **option 3** i.e. **120**

Given that

The least common multiple (LCM) = 252

The highest common factor (HCF) = 12

Let two numbers be a, b

a - b = 48

Formula used

LCM * HCF = a * b

252 * 12 = a * b

ab = 3024

Now,

$(a + b)^2 - (a - b)^2 = 4ab$

$(a + b)^2 - 48^2 = 4 * 3024$

$(a + b)^2 = 12096 + 2304 = 14400$

$a + b = 120$

Question 90 :

Two numbers x and y are 18% and 30% of a number z. What percentage is the number y of the number x correct to the nearest integer?

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

Options :

1. 175%
2. 167%
3. 140%
4. 150%

Solution :

The correct answer is **option 2** i.e. 167%

Given that

$x = 18\% z$

$y = 30\% z$

According to the question

$y = 30\% * (x/18\%) = 5x/3$

The required % = 5 * 100/3 = 166.67% = 167%

Question 91 :

Which of the following statements is/are true? (i) In MS Word, a word can have both lower-case and upper-case letters. (ii) In MS Word, the first word of a paragraph cannot be made bold.

Difficulty : Moderate   **Average Time : 42 Seconds**

Options :

1. Only i
2. Neither i nor ii

Only ii

4. Both i and ii

Solution :

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

(i) In MS Word, a word can have both lower-case and upper-case letters. - True

Shortcut to make the letters in upper case / lower case / toggle case: SHIFT + F3

Press continuously till you reach the desired result.

(ii) In MS Word, the first word of a paragraph cannot be made bold. - False

Yes, we can make the first word of a paragraph bold.

Question 92 :

When you enter a value in an Excel cell and press the ENTER key, what will happen by default?

Difficulty : Moderate   **Average Time : 57 Seconds**

Options :

1. The cursor (selection box) will move to the upper cell

2. The cursor (selection box) will move to the lower cell

3. The cursor (selection box) will move to the right cell

4. The cursor (selection box) will move to the left cell

Solution :

The correct answer is **option 2** i.e. **The cursor (selection box) will move to the lower cell.**

When you enter a value in an Excel cell and press the ENTER key, the cursor (selection box) moves to the lower cell.

Question 93 :

An IP version 4 address is _____ long.

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

Options :

1. 32 bits

32 bytes

3. 64 bits

4. 16 bytes

Solution :

The correct answer is **option 1** i.e. **32 bits.**

An IP version 4 address is **32 bits** long.

An IP address is a numerical label that is connected to a computer network that uses the Internet Protocol for communication.

It serves two main functions: network interface identification, and location addressing.

It is represented in dot-decimal notation, consisting of four decimal numbers, each ranging from 0 to 255, and separated by dots.

Question 94 :
What is the result of the following MS Excel formula? = 8/4/2 - 2/2

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

Options :

1. 1

2. 3

3. -0.5

4. 0

Solution :
The correct answer is **option 4** i.e. **0.**

Given formula = 8/4/2 - 2/2

= 1 - 1

= 0

Question 95 :
An email can contain:

Difficulty : Moderate

Average Time : 31 Seconds

Options :

1. text, files, but not images

2. text, files, as well as images

3. text, images, but not files

4. images, videos, but not zipped files

Solution :

The correct answer is **option 2** i.e. **text, files, as well as images.**

An email can contain **text, files, as well as images.**

"To" field: Mention the email address person to whom you want to send the mail.

"From" field: Mention your email 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 96 :
Which of the following protocols is used to transfer files from one node to another over the internet?

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. POP

2. FTP

3. HTTP

4. HTTPS

Solution :

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

FTP protocol is used to transfer files from one node to another over the internet.

The FTP client has three components:

1. User interface

2. Control process

3. Data transfer process.

The server has two components: the server control process and the server data transfer process.

Question 97 :
What is the smallest number of rows that a table in MS Word can have?

Difficulty : Moderate   Average Time : 47 Seconds

Options :
1. 1
2. 8
3. 2
4. 4

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

The smallest number of rows that a table in MS Word can have is **1**.

A table is a grid of cells arranged in rows and columns.

Path: Insert Table

The smallest number of columns that a table in MS Word can have is **1**.

Question 98 :
Which of the following mouse clicks can be used to select a paragraph in MS Word?

Difficulty : Moderate   Average Time : 45 Seconds

Options :
1. Double left clicks
2. Single left click

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Single right click

4. Triple left clicks

Solution :

The correct answer is **option 4** i.e. **Triple left clicks.**

Triple left clicks can be used to select a paragraph in MS Word.

Double left click: Used to select a particular word.

Single right click: Opens the menu option.

Shift + down arrow - Selects the line by keeping the cursor at the start of the line.

Question 99 :
Which of the following components of a worksheet displays the address of the selected cell?

Difficulty : Moderate   Average Time : 51 Seconds

Options :

1. Formula bar

2. Title bar

3. Name box

4. Status bar

Solution :

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

The name box displays the address of the selected cell.

Name box: It is located on the left side of the Excel window and is used to give a name to a table or any cell.

Formula bar: Used to enter a new formula and is labeled with the function symbol (fx).

Status bar: It is a horizontal bar at the bottom of the worksheet window and displays details about the current spreadsheet.

Title bar: It is on the top of the Excel window and displays the name of the open document.

Question 100 :
What is the keyboard shortcut to perform the "paste" operation in MS Word?

Difficulty : Moderate   Average Time : 61 Seconds

Options :

1. ALT + P
2. CTRL + V
3. CTRL + T
4. CTRL + P

Solution :

The correct answer is **option 2** i.e. **CTRL + V.**

CTRL + V: Used to perform the "paste" operation in MS Word.

ALT + P: Used to open the Page Layout tab in the Ribbon.

CTRL + T: Used to create a hanging indent.

CTRL + P: Used to print a document.

Delhi Police Constable Tier 1 Previous Year Question Paper Analysis

The analysis of Delhi Police Constable Tier 1 Previous Year Question Paper held on 2020-12-03 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, 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 - 2
3. Classification - 1
4. Venn Diagrams - 2

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

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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