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 2020-12-01 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 :
As per the Union Budget 2020, which of the following taxes has been abolished?

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

Options :
1. Dividend distribution tax
2. Long term capital gains tax on securities
3. Securities transaction tax
4. Corporate tax

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

- As per the Union Budget 2020, **Dividend distribution tax** has been abolished.
- Indian corporations are no longer required to pay DDT on dividends to shareholders.
- Instead, shareholders will be taxed on dividends based on their individual tax brackets.
- This change aims to reduce the burden on businesses and make India more attractive to international investors.

Question 2 :
The microbes that lie on the border line of the living and non-living world are called:

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

Options :

1. fungi

2. algae

3. bacteria

4. viruses

Solution :

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

- The microbes that lie on the border line of the living and non-living world are called **viruses** as they show characteristics of both living and non-living.
- A virus is a non-cellular, infectious agent which is microscopic in structure and can live by depending on the host cell.
- Due to the lack of required cellular material, the virus cannot replicate on its own outside the host cell. To survive, it enters the host body and attaches to a specific cell, then injects the genetic material, reproduces by using host genetic material, and finally the host cell splits and releases the new viruses.
- Thus **viruses** invades and reproduces by using the bacteria inside the organism, plants, and animals.

Question 3 :

Which of the following Articles of the Constitution of India contains the directive that the State shall make provision for maternity relief?

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

Options :

1. Article 40

2. Article 39

3. Article 42

4. Article 41

Solution :

The correct answer is **option 3** i.e. **Article 42**

- **Article 42** of the Indian constitution states that the State shall make provision for securing just and humane conditions of work and for maternity relief.
- The article is a part of the Directive Principles of State Policy (DPSP) which came into existence on 23 November 1948.

The objective of the DPSPs is to guide the state in making policies that better the social and economic conditions of the country.

Question 4 :

Which of the following Articles of the Constitution of India prohibits the Indian State from conferring any title, except a military or academic distinction?

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

Options :

1. Article 15

2. Article 10

3. Article 18 (1)

4. Article 20

Solution :

The correct answer is **option 3** i.e. **Article 18 (1)**

- **Article 18(1)** prohibits all titles and prevents the government from bestowing titles on anyone, whether a citizen or a non-citizen, apart from the titles in the fields of military and academic.

- Thus, a university can give title or honor on a man of merit.

Question 5 :

Which of the following Articles of the Constitution of India prohibits the Indian State from conferring any title, except a military or academic distinction?

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

Options :

1. Article 15

2. Article 10

3. Article 18 (1)

4. Article 20

Solution :

The correct answer is **option 3** i.e. **Article 18 (1)**

Article 18(1) abolishes all titles. It prevents the government from bestowing titles on anyone, whether a citizen or a non-citizen, apart from the titles in the fields of military and academic.

- As a result, a university might bestow a title or honour on a deserving individual.

Question 6 :

With which of the following states is the theatre form 'Maach' traditionally associated?

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

Options :

1. Kerala

2. Madhya Pradesh

3. Assam

4. Karnataka

Solution :

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

- Maach is a form of folk theatre from the Malwa region of **Madhya Pradesh**.
- Maach is thought to have originated from the Khyal theatre form of Rajasthan which spread out of the state.
- It is said to have been introduced by Gopalji Guru who himself authored several Maach plays.
- Traditionally, maach is performed around the Indian festival of Holi and it is also believed that maach originated to entertain the local communities as there was no other mode of entertainment available in those times.

Question 7 :

Atanu Das, who was awarded the Arjuna Award 2020, is a professional player of:

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

Options :

1. wrestling

2. basketball

3. archery

4. badminton

Solution :

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

Atanu Das, who was awarded the Arjuna Award 2020, is a professional player of **archery.**

- He represents India in the recurve men's individual and team events.

- As of 22 July 202, his current world ranking is 9.

- The Arjuna Award was instituted in 1961 to honour outstanding sportspersons of India.

- It is the second-highest sporting honour of India.

Question 8 :

Which of the following books was conferred the International Booker Prize 2020?

Difficulty : Moderate   Average Time : 52 Seconds

Options :

1. The Discomfort of Evening

2. The Enlightenment of the Greengage Tree

3. Hurricane Season

4. Tyll

Solution :

The correct answer is **option 1** i.e. **The Discomfort of Evening**

- **"The Discomfort of Evening"** was conferred the International Booker Prize 2020.

- The book is a debut novel by Dutch writer Marieke Lucas Rijneveld which was published in 2018.

- Rijneveld became the first Dutch writer to win the International Booker Prize on 26 august 2020, shared jointly with the novel's English translator Michele Hutchison.

Question 9 :

Who among the following was appointed as the Chairperson of Advisory Committee on Corporate Insolvency Resolution and Liquidation process in June 2020?

Difficulty : Moderate   Average Time : 55 Seconds

Options :

1. Kumar Mangalam Birla

2. Nandan Nilekani

Anand Mahindra

4. Uday Kotak

Solution :

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

- **Uday Kotak** was appointed as the Chairperson of Advisory Committee on Corporate Insolvency Resolution and Liquidation process in June 2020.

- He is an Indian billionaire banker and the executive vice chairman and managing director of Kotak Mahindra Bank.

- Kotak Mahindra Finance Ltd. became the first company in India's corporate history to receive a banking license from Reserve Bank of India.

Question 10 :

Which of the following states does NOT share its border with West Bengal?

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

Options :

1. Meghalaya

2. Assam

3. Jharkhand

4. Sikkim

Solution :

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

- **Meghalaya** does not share its border with West Bengal.
- Meghalaya was formed on 21 January 1972 by carving out two districts from the state of Assam: the United Khasi Hills and Jaintia Hills; and the Garo Hills.
- The state is bound to the south by the Bangladeshi divisions of Mymensingh and Sylhet, to the west by the Bangladeshi division of Rangpur, and to the north and east by India's State of Assam.

Question 11 :

Who among the following has been selected for the 2020 World Food Prize?

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

Options :

Simon N Groot

2. Rattan Lal

3. Lawrence Haddad

4. MS Swaminathan

Solution :

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

- **Rattan Lal** has been selected for the 2020 World Food Prize.

- He is a reowned agricultural soil scientist

- His work focuses on regenerative agriculture through which soil can help resolve global issues such as climate change, food security and water quality.

- The World Food Prize was created by Nobel Peace Prize laureate Norman Borlaug in 1986 to recognise scientists and others who have improved the quality and availability of food.

Question 12 :

Which of the following modes of reproduction is carried out by specialised cells that proliferate to make large number of cells?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Layering

2. Fission

3. Fragmentation

4. Regeneration

Solution :

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

- All living organisms have some ability to regenerate as part of natural processes to maintain tissues and organs.

- In organisms like Hydra and Planaria, each part grows into a new organism if they are cut into several pieces which is known as **regeneration.**

- The specialized cells proliferate and produce a large number of cells.

These proliferated cells undergo changes and form different cells and tissues.

Question 13 :
Which of the following countries does tennis player Alexander Zverev represent?

Difficulty : Moderate

Average Time : 54 Seconds

Options :
1. Switzerland
2. Germany
3. The US
4. France

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

- Alexander Zverev is a **German** professional tennis player.
- He has been ranked by the Association of Tennis Professionals (ATP) as high as world No. 2, and was continuously ranked in the top 10 from July 2017 to November 2022.
- He has won 20 ATP singles titles and a gold medal at the 2020 Tokyo Olympics.
- He reached a major final at the 2020 US Open, finishing runner-up to Dominic Thiem.

Question 14 :
Which of the following rivers has Zaskar as one of its tributaries?

Difficulty : Moderate

Average Time : 51 Seconds

Options :
1. Yamuna
2. Ganga
3. Indus
4. Beas

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

- The **Indus** is a transboundary river of Asia and a trans-Himalayan river of South and Central Asia.
- The river flows northwest through the region of Kashmir, bends sharply to the left after the Nanga Parbat massif,

and flows south-by-southwest through Pakistan, before emptying into the Arabian Sea near the port city of Karachi.

- Its left-bank tributary in Ladakh is the Zanskar River, and its left-bank tributary in the plains is the Panjnad River which is formed by the successive confluences of the five Punjab rivers, namely the Chenab, Jhelum, Ravi, Beas, and Sutlej rivers.

Question 15 :

The famous hill station named Mcleodganj is located in:

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

Options :

1. Ladakh
2. West Bengal
3. Uttarakhand
4. Himachal Pradesh

Solution :

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

- The famous hill station named Mcleod Ganj is located in **Himachal Pradesh.**
- It is known as "Little Lhasa" or "Dhasa" because of its large population of Tibetans.
- The Tibetan government-in-exile is headquartered in McLeod Ganj which treats the suburb as its capital-in-exile.

Question 16 :

As per the Census of India 2011, which of the following Union Territories is least densely populated as compared with the other three mentioned in the following options?

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

Options :

1. Chandigarh
2. Puducherry
3. Andaman & Nicobar Islands
4. Lakshadweep

Solution :

The correct answer is **option 3** i.e. **Andaman and Nicobar Islands**

- As per the Census of India 2011, **Andaman and Nicobar Islands** is the least densely populated.
- West Bengal ranks as the state with the maximum density of population.
- The state with the lowest population density is Arunachal Pradesh.
- And the union territory with the highest population density is Delhi.

Question 17 :

In the Union Budget 2020, the Finance Minister announced the hike of bank deposit insurance from _____ to â‚¹5 lakh.

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

Options :

1. â‚¹1 lakh

2. â‚¹3 lakh

3. â‚¹4 lakh

4. â‚¹2 lakh

Solution :

The correct answer is **option 1** i.e. **â‚¹1 lakh** â€‹â€‹â€‹â€‹

- In the Union Budget 2020, the Finance Minister announced the hike of bank deposit insurance from **â‚¹ 1 lakh** to â‚¹5 lakh.
- It was the first time since 1993 that the deposit insurance cover has been raised.
- The Finance Minister assured that there was a robust mechanism in place to monitor the health of all Scheduled Commercial Banks and that depositors' money was safe.

Question 18 :

In 2020, the government of which of the following states instituted GV Raja Awards for sportspersons?

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

Options :

1. Telangana

2. Andhra Pradesh

3. Maharashtra

4. Kerala

Solution :

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

- The government of **Kerala** instituted the G.V. Raja awards for sportspersons every year in honour of G.V.Raja.
- G. V. Raja was an Indian sports and tourism promoter and administrator, pilot, sportsman and Sanskrit scholar.
- He founded the Kerala Sports Council in 1953.
- He was the founder of Kerala Cricket Association, and patron of a large number of sports clubs and associations.
- He was also the first Keralite to become the Vice-President of Board of Control for Cricket in India.

Question 19 :
The painter Abdus Samad, the renowned painter of Iran, came to India on the invitation of:

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

Options :

1. Jahangir
2. Aurangzeb
3. Humayun
4. Akbar

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

- The painter Abdus Samad, the renowned painter of Iran, came to India on the invitation of **Humayun.**
- Abdus Samad was an esteemed calligrapher as well as a painter when he met **Humayun** who was in exile in Iran.
- At **Humayun's** invitation, he followed him to India in 1548, first to Kabul and later to Delhi.
- He instructed both **Humayun** and his young son, the future emperor Akbar, in drawing.
- In 1576 he was appointed master of the mint, and in 1584 at the end of his career he was made dewan (revenue commissioner) of Multan.

Question 20 :
"Red coats to Olive Green" is authored by

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

Options :

1. Bijal Vachharajani
2. Neena Rai
3. Victor Longer

Nirupama Yadav

Solution :

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

- RED COATS TO OLIVE GREEN A History of the Indian Army 1600-1974 is authored by Victor Longer

Question 21 :

The calorific value of a fuel is ratio of

Difficulty : Moderate   Average Time : 38 Seconds

Options :

1. Mass of fuel and Enegry released

2. Energy Released and molecular weight

3. Energy required and molecular weight

4. Energy released and mass of fuel

Solution :

The correct answer is **option 2** i.e. **Energy Released and molecular weight**

- Fuel efficiency is expressed in terms of its calorific value which is expressed in units of kilojoule per kg
- The amount of heat energy produced on complete combustion of 1 kg of a fuel is called its calorific value.

Question 22 :

Small Cap stocks are having capitalization value of

Difficulty : Moderate   Average Time : 48 Seconds

Options :

1. More than Rs 20000 Crores

2. More than Rs 50000 Crores

3. Less than 10000 Crores

4. Less than Rs 5000 Crores

Solution :

The correct answer is **option 4** i.e. **Less than Rs 5000 Crores**

- Based on their market capitalisation, stocks are divided into large cap, mid cap and small cap
- Large Cap- Companies having market capitalisation of more than Rs 20000 Crores
- Mid Cap- Companies with market capitalisation of Rs 5000 Crores to Rs 20000 Crores
- Small Cap- Companies having market capitalisation of less than Rs 5000 Crores

Question 23 :

Usara soil is another name of which of the following?

Difficulty : Moderate   Average Time : 50 Seconds

Options :

1. Laterite Soil

2. Arid Soil

3. Saline Soil

4. Red Yellow Soil

Solution :

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

- Saline soils are also known as Usara soils. Saline soils contain a larger proportion of sodium, potassium and magnesium, and thus, they are infertile, and do not support any vegetative growth.
- They have more salts, largely because of dry climate and poor drainage.
- They occur in arid and semi-arid regions, and in waterlogged and swampy areas. Their structure ranges from sandy to loamy.

Question 24 :

Which among the following Cave is located in Western Coast of India?

Difficulty : Moderate   Average Time : 51 Seconds

Options :

1. Khandgiri

2. Undavalli

3. Borra

4. Kanheri

Solution :

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

- Kanheri (19°13' N; 72°55' E), the Kanhasela, Krishnagiri, Kanhagiri of ancient inscriptions, is located north of Mumbai, was a major Buddhist centre. Kanheri is located in the island of Salsette and 6 miles from Thana.
- The caves are excavated in volcanic breccia, the hills rising at places to 1550' above mean sea level. Kanheri is credited with the largest number of cave excavations in a single hill. To the west is the Borivili railway station and across the creek is the Arabian Sea.

Question 25 :

which among the following is most recent recipient of Bharat Ratna?

Difficulty : Moderate   **Average Time : 54 Seconds**

Options :

1. Prof. C. N. R. Rao
2. Atal Bihari Vajpeyee
3. Nana Ji Deshmukh
4. Sachin Ramesh Tendulkar

Solution :

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

Most recently the award has been given to following persons

- Shri NanajiDeshmukh (Posthumous)(1916-2010) 2019
- Dr. Bhupendra Kumar Hazarika (Posthumous)(1926-2011) 2019
- Shri Pranab Mukherjee (b-1935) 2019

Question 26 :

Which among the following is ancient romantic Indian Drama?

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

Options :

1. Vasavdatta
2. Rajatarangini
3. Lilawati
4. Raghuvamsha

Solution :

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

- The title of the VÄ•savadattÄ• of Subandhu is the oldest romantic novel in India, seems to be derived from that of a long lost drama by BhÄ•sa, the SvapnavÄ•savadattÄ• or "Dream-VÄ•savadatta".

Question 27 :

Goblet Cells are found in which of the following organs?

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

Options :

1. Heart

2. Lungs

3. Testes

4. Intestine

Solution :

The correct answer is **Option 4** i.e. **Intestine**

- The intestinal mucosal epithelium has goblet cells which secrete mucus.
- The secretions of the brush border cells of the mucosa alongwith the secretions of the goblet cells constitute the intestinal juice or succus entericus. This juice contains a variety of enzymes like disaccharidases (e.g., maltase), dipeptidases, lipases, nucleosidases, etc. The mucus alongwith the bicarbonates from the pancreas protects the intestinal mucosa from acid as well as provide an alkaline medium (pH 7.8) for enzymatic activities.

Question 28 :

Which of the following articles of the Indian Constitution uses the word "Minority"?

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

Options :

1. Article 29

2. Article 15

3. Article 30

4. Both option 1 and 3

Solution :

The correct answer is **option 4** i.e. **Both option 1 and 3**

- The constitution mentioned the term 'minority' only on two occasions in Article 29 and in Article 30 but it nowhere defines the term and no effort was made to define it.
- It was left at the discretion of central government to determine what constitute minorities and they found five religious minorities in India not bothering itself that these minorities are in fact majority in few states.
- The definition provided by United Nations is "Any group or community which is socially, political and economically non-dominant and inferior in population are minorities".

Question 29 :

Adyar river flows from which of the following states?

Difficulty : Moderate   Average Time : 58 Seconds

Options :

1. Tamilnadu

2. Kerala

3. Karnataka

4. Andhra Pradesh

Solution :

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

- The Chennai City is abound with lakes and rivers, providing a habitat for wide variety of flora and fauna.
- The Chennai City is drained by 3 east flowing rivers namely Kosasthalayar, Cooum and Adyar between its north and south boundaries.
- After meandering through the city, these rivers finally flow into the Bay of Bengal.
- A major canal, namely, Buckingham Canal traverses parallel to the coast and has considerable importance in shaping up the aquatic environment of the Chennai City.

Question 30 :

Who among the following had won the Wimbledon Grand Slam title of 2023?

Difficulty : Moderate   Average Time : 55 Seconds

Options :

1. Novak Djokovic

Casper Ruud

3. Carlos Alcaraz

4. Stefanos Tsitsipas

Solution :

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

- Carlos Alcaraz defeated seven-time champion Novak Djokovic to claim his first Wimbledon title in July 2023

Question 31 :

Which among following Puranas does not mention about Satavahana King Gautamiputra?

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

Options :

1. Bhagwat

2. Matsya

3. Vishnu

4. Brahmand

Solution :

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

- Except the Brahmanda Purana, all the Puranas that contain the genealogy of Satavahana kings mention Gautamiputra.
- Gautamiputra Satakarni was a ruler of the Satavahana Empire Deccan region of India.

Question 32 :

Which of the following is correctly matched   Name Work 1. Adhvaryu The one who invokes 2. Hotra The one who sings 3. Udgatra The one who recites

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

Options :

1. 1 and 3

2. Only 2

3. Only 1

Only 3

Solution :

The correct answer is **option 3** i.e. **Only 1**

One of the four officiating priest in Vedic sacrifice, the other three being hotri, udgatri and Brahma.

Adhvaryu is the coordinator and the representative of Yajur Veda. He is in charge of the physical properties related to Yajna and direct the priest with the formulas said in Yajur veda. Unlike other priests, his work is more than just chanting the mantras.

He also take care of the construction of the yajnavedi and associated things.

Question 33 :

"Arpa Pairi Ke Dhar" is state song of which of the following state?

Difficulty : Moderate   Average Time : 52 Seconds

Options :

1. Rajasthan

2. Chhattisgarh

3. Odisha

4. Kashmir

Solution :

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

- "Arpa Pari Ke Dhar Mahanadi He Apar" has been declared as the state song of Chhattisgarh.
- The composer of this song is Dr. Narendra Dev Verma.

Question 34 :

Which among the following is not the part of three poisons according to Gautama Buddha?

Difficulty : Moderate   Average Time : 40 Seconds

Options :

1. Moha

2. Raga

3. Dvesha

Dukkha

Solution :

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

- In his early teachings, the Buddha identified "three poisons," or three fires, or three negative qualities of the mind that cause most of our problems—and most of the problems in the world.
- The three poisons are: greed (raga, also translated as lust), hatred (dvesha, or anger), and delusion (moha, or ignorance).
- The three poisons are opposed by three wholesome, or positive attitudes essential to liberation: generosity (dana), lovingkindness (maitri, Pali: metta), and wisdom (prajna).

Question 35 :

As on 31 August 2023, who among the following is the chairman of the Economic Advisory Council to the Prime Minister?

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

Options :

1. Bibek Debroy
2. Ashima Goyal
3. Ratan P Watal
4. Sajjid Chinoy

Solution :

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

- Economic Advisory Council to the Prime Minister (EAC-PM) is an independent body constituted to give advice on economic and related issues to the Government of India, specifically to the Prime Minister.
- At present, the composition of EAC-PM is: Dr. Bibek Debroy (Chairman), Shri Sanjeev Sanyal (Member), Shri Rakesh Mohan (Part-Time Member), Dr. Sajjid Chinoy (Part-Time Member), Dr. Neelkanth Mishra (Part-Time Member), Shri Nilesh Shah (Part-Time Member), Prof. T.T. Ram Mohan (Part-Time Member) and Dr. Poonam Gupta (Part-Time Member).

Question 36 :

Ram Yantra, Samrat Yantra and Narivalay Yantra can be seen at which of the following places?

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

Options :

   Delhi

2. Prayagraj

3. Agra

4. Bharatpur

Solution :

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

- **Between** 1724 and 1730 Maharajah Sawaii Jai Singh II of Jaipur constructed five astronomical observatories in northern India.
- The observatories, or "Jantar Mantars" as they are commonly known, incorporate multiple buildings of unique form, each with a specialized function for astronomical measurement.
- The first observatory to be built was the observatory at Delhi in 1724. The Jaipur observatory, the most elaborate, was begun by 1728. Smaller observatories were built in Benares, Ujjain, and Mathura.

Question 37 :

Atharamura Hills are located in which of the state of India?

Difficulty : Moderate   Average Time : 52 Seconds

Options :

1. Sikkim

2. Nagaland

3. Arunachal Pradesh

4. Tripura

Solution :

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

- The State of Tripura, with a geographical area of 10,491 sq. kms, is predominantly a hilly region.
- 'Five major hill ranges traverse the State in roughly north-south direction and continue southward into Chittagong Hill Tract.
- Narrow valleys separate these ranges generally 20 km wide. The easternmost range is Jampui, being successively followed to the West by Unokoti-Sakhantlang, Longthorai, Atharamura-Kalajhari and Baramura-Deotamura.

Question 38 :

The Crash Site of Chandrayaan 2 is named as?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Tiranga Point
2. Shiva Shakti Point
3. Jawahar Sthal
4. Indira Point

Solution :

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

- Prime Minister Narendra Modi announced on August 26, 2023 that the point where the Chandrayaan-3 lander touched down on the lunar surface on Wednesday would be **named Shiv Shakti.**
- Crash Site of Chandrayaan 2 is named as Tiranga Point

Question 39 :
In which of the following years Article 31A is added to the Indian Constitution?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. 1954
2. 1953
3. 1951
4. 1952

Solution :

The correct answer is **option 3** i.e. **1951**

Section 4 of the First Amendment Act, 1951, added Article 31A to the Indian Constitution, which made provision for the saving of laws for the acquisition of estates, etc.

Question 40 :
Which of the following are not correctly matched Edict Language 1. Manshera Pali 2. Shahbazgarhi Kharoshti 3. Kalsi Pali

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. 1 and 3

2. Only 3

3. Only 2

4. Only 1

Solution :

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

- The Edicts of Ashoka inscribed on three large boulders near Mansehra
- They are written in Prakrit language and Kharoshti script

Question 41 :

Berenike Buddha statue has been discovered from which of the following countries?

Difficulty : Moderate

Average Time : 38 Seconds

Options :

1. Afghanistan

2. Sri Lanka

3. Cambodia

4. Egypt

Solution :

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

- Egypt was at the center of a trade route that connected the Roman Empire with many areas of the ancient world, including India.
- There were several Roman-era harbors on the Red Sea coast of Egypt involved in this commerce, the most important of which was Berenike. Ships from India arrived there with products, such as pepper, semi-precious stones, textiles, and ivory.
- At Berenike, they were offloaded, and the cargo was transferred to camels that conveyed the goods across the desert to the Nile.

Question 42 :

The Law of Succession, Partition and Inheritence are mentioned in which of the following texts?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Vajrasuchi

2. Panchsiddhantika

3. Nitisara

4. Dayabhaga

Solution :

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

Dayabhaga is a Hindu law text written by Jimutvahana which mainly focuses on inheritance process.
Dayabhaga constituted the primary evidence of modern British Indian courts in the Bengal region of India, although this changed due to the passage of the Hindu Succession Act of 1956 and subsequent amendments to the Act.

Question 43 :

By which of the following amendments to the Indian constitution the dilimitation was frozen till year 2001?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 38th Amendment

2. 42nd Amendment

3. 35th Amendment

4. 40th Amendment

Solution :

The correct answer is **option 2** i.e. **42nd Amendment**

- The 42nd Amendment amended Article 170 to prevent any delimitation of constituencies for elections to the Lok Sabha and state assemblies until after the 2001 Census of India.
- After the 84th amendment to the constitution in 2002, the delimitation is to be done after 2026 if not postponed.
- It will be based on the population of the first census to be held after the year 2026.

Question 44 :

Shriram Shankar Abhayankar is associated with which of the following fields?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Mathematics
2. Chemistry
3. Biology
4. Space Science

Solution :

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

- Shreeram Abhyankar was born on July 22, 1930 at Ujjain in central India. His father, Shankar Keshav Abhyankar, was a professor of mathematics based in Gwalior and he worked in Ujjain
- After completing his schooling in Gwalior, he came to Bombay and studied at what was then called the Royal Institute of Science.
- Shreeram Abhyankar has made numerous important contributions to many areas of mathematics, especially algebraic geometry, commutative algebra, theory of functions of several complex variables, invariant theory, and combinatorics.

Question 45 :

The name Ganj- i - Sawai was given to?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Cannon System
2. Tax System
3. Fort
4. Ship

Solution :

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

The **Ganj-i-Sawai** was an armed merchant ship of the Mughals.

Question 46 :

Brahmajala Sutta is associated with which of the following Nikayas?

Difficulty : Moderate

Average Time : 35 Seconds

Options :

1. Digha Nikaya
2. Majjhima Nikaya
3. Anguttara Nikaya
4. Samyutta Nikaya

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

The Brahmajal Sutta is the first of the 34 Suttas of the Digha Nikaya. The sutta discusses three main topics:

1) the ten precepts (kula-sila).

2) the middle precepts (majjhima-sila)

3) and the elaboration of the great precepts (maha-sila).

Question 47 :
Xerostomia is associated with which of the following glands?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Lungs
2. Small Intestine
3. Salivary Glands
4. Kidneys

Solution :
The correct answer is **option 3** i.e. **Salivary Glands**

Xerostomia refers to the sensation of oral dryness, which can result from diminished saliva production.

Question 48 :
Which of the following is among the industries used for calculating the Index of Eight Core Industries in India?

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. Aluminium

2. Copper

3. Textile

4. Refinery products

Solution :

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

- The monthly Index of Eight Core Industries (ICI) is a production volume index.
- The objective of the ICI is to provide an advance indication on production performance of industries of 'core' nature before the release of Index of Industrial Production (IIP) by Central Statistics Office.
- ICI measures collective and individual performance of production in selected eight core industries namely:

1. Coal
2. Crude Oil
3. Natural Gas
4. **Refinery Products**
5. Fertilizers
6. Steel
7. Cement and
8. Electricity

Question 49 :

In which of the following years was Article 21A inserted in the Constitution of India?

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

Options :

1. 2006

2. 2000

3. 2004

4. 2002

Solution :

The correct answer is **option 4** i.e. **2002**

- Article 21A was inserted in the Constitution of India in **2002.**

The Constitution (Eighty-sixth Amendment) Act, **2002** inserted Article 21-A in the Constitution to provide free and compulsory education of all children in the age group of six to fourteen years as a Fundamental Right in such a manner as the State may, by law, determine.

- The Right of Children to Free and Compulsory Education (RTE) Act, 2009, which represents the consequential legislation envisaged under Article 21A, means that every child has a right to full time elementary education of satisfactory and equitable quality in a formal school which satisfies certain essential norms and standards.

Question 50 :

In August 2020, India and _____ were declared joint winners of the Chess Olympiad gold medal.

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. Australia

2. Russia

3. the US

4. New Zealand

Solution :

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

- In August 2020, India and **Russia** were declared joint winners of the Chess Olympiad gold medal.

- Russia were initially declared winners after two Indian players- Nihal Sarin and Divya Deshmukh lost out on time in the final after suffering a disconnection with the server.

- India lodged a protest against the controversial decision which was reviewed.

- It was the first time FIDE, the international chess federation hold the Olympiad in an online format, due to the COVID-19 pandemic.

Question 51 :

'Thermometer' is related to 'Temperature' in the same way as 'Protractor' is related to _____.

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Weight

2. Angle

Mass

4. Height

Solution :

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

The logic used here is:

'Thermometer' is related to 'Temperature'

A thermometer is used to measure the temperature.

Similarly;

'Protractor' is related to _____

A protractor is used to measure the angles.

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

Question 52 :
Select the option that is related to Figure C in the same way as Figure B is related to Figure A.

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

Options :

1.

2.

3.

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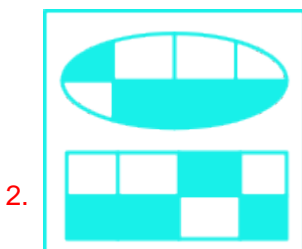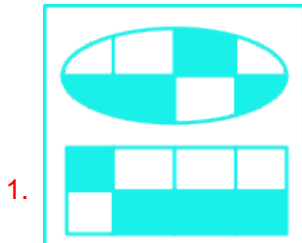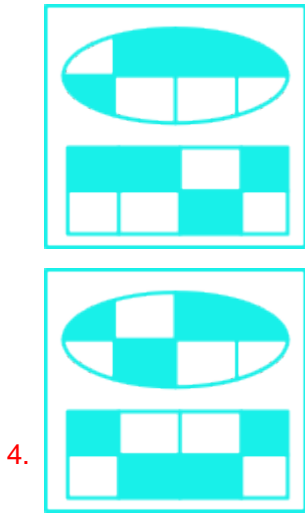
Solution :
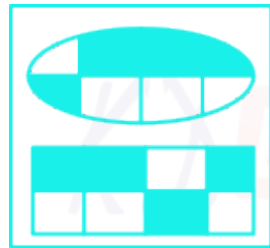
The correct answer is **option 3** i.e.

The logic used here is:

Logic between A and B:

The shading part of the rectangle in Figure A is the same as the shading pattern of the oval in Figure B.

The shading part of the oval in Figure A is the same as the shading pattern of the rectangle in Figure B.

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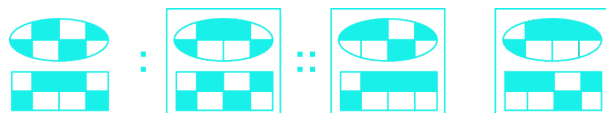
The pattern is:

Question 53 :

Which figure will replace the question mark (?) to complete the pattern?

Difficulty : Moderate

Average Time : 77 Seconds

Options :

2.

3.

4.
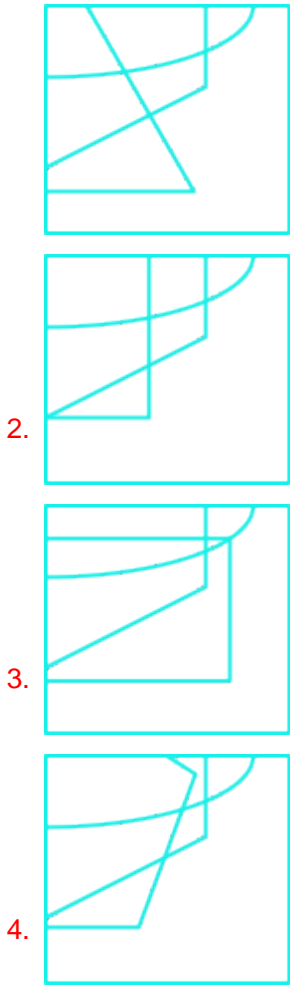
Solution :

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

The figure that will complete the pattern:

Question 54 :

Three different positions of the same non-standard dice are shown. Which letter will be on the face opposite to the face with the letter 'T'?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. E
2. G
3. F
4. R

Solution :

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

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

Clockwise direction:

Dice 1: R G E

Dice 2: R T A

So, G is opposite to T.

Anticlockwise direction:

Dice 1: R E G

Dice 2: R A T

So, G is opposite to T.

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

Question 55 :

In the Venn diagram given below, the 'Rectangle' represents 'Lady Teachers'; the 'Triangle' represents 'Chemistry Teachers", and the "Circle" represents 'Physics Teachers'. The numbers given in the diagram represent the number of persons in that particular category. What is the count of lady teachers who do NOT teach Physics subject?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

17

2. 28

3. 21

4. 7

Solution :

The correct answer is **option 2** i.e. **28.**

The number of lady teachers who do not teach Physics subject = Number that is common to the rectangle except circle = 21 + 7 = 28

Question 56 :

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

Difficulty : Moderate   **Average Time : 36 Seconds**

Options :

1.

2.

3.

4.

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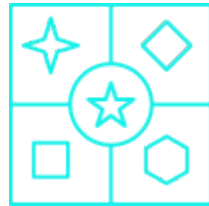
The correct answer is **option 3** i.e. **.**

The logic used here is:

1. The top left figure is moving to the top right corner in the next figure.

2. The top right figure is moving to the bottom left corner in the next figure.

3. The central figure is moving to the bottom right corner in the next figure.

4. The bottom right figure is moving to the top left corner in the next figure.

The image series:
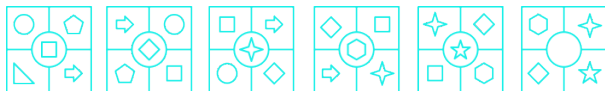
Question 57 :
Select the option that is related to the third number in the same way as the second number is related to the first number.
7259: 4154:: 3852:?

Difficulty : Moderate   **Average Time : 82 Seconds**

Options :

1. 4201

2. 2401

3. 2410

4. 4210

Solution :

The correct answer is **option 1** i.e. **4201.**

The logic used here is:

7259: 4154

7 × 2 = 14

5 × 9 = 45

Reverse 14 and 45.

7259 = 4154

Similarly;

3852:?

3 × 8 = 24

5 × 2 = 10

3852: 4201

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

Question 58 :
Three different positions of the same non-standard dice are shown. Which number will be on the face opposite to the face with the number '2"?

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

Options :

1. 1

2. 5

3. 6

4. 3

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

In the first and second dice, 5 is common. So, start rotating either in the clockwise or anticlockwise direction.

Clockwise direction:

Dice 1: 5 4 2

Dice 2: 5 3 6

So, 2 is opposite to 6.

Anticlockwise direction:

Dice 1: 5 2 4

Dice 2: 5 6 3

So, 2 is opposite to 6.

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

Question 59 :
Which number will replace the question mark (?) in the following series? 1, 5, 13, 29, ?, 125, 253, 509, 1021

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

Options :
1. 57
2. 88
3. 75
4. 61

Solution :
The correct answer is **option 4** i.e. **61.**

Given series: 1, 5, 13, 29, ?, 125, 253, 509, 1021

The series follows this pattern:

$1 \times 2 + 3 = 2 + 3 = 5$

$5 \times 2 + 3 = 10 + 3 = 13$

$13 \times 2 + 3 = 26 + 3 = 29$

$29 \times 2 + 3 = 58 + 3 = 61$

$61 \times 2 + 3 = 122 + 3 = 125$

$125 \times 2 + 3 = 250 + 3 = 253$

253 × 2 + 3 = 506 + 3 = 509

509 × 2 + 3 = 1018 + 3 = 1021

So, the missing term in the series is **61.**

Question 60 :
Select the option figure in which the given figure is embedded (rotation is NOT allowed).

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

Options :

1.

2.

3.

4.
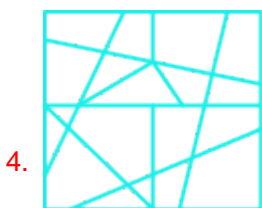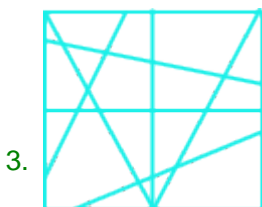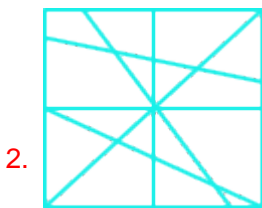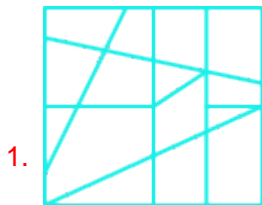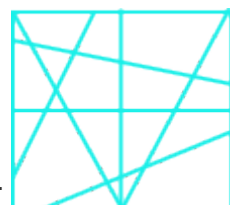
Solution :

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

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

Question 61 :
Which figure will replace the question mark (?) to complete the pattern?

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1.

2.

3.

4.

Solution :

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

The figure that will complete the pattern:

Question 62 :

Select the Venn diagram that best illustrates the relationship between the following classes. Carnivore, Lion, Elephant

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1.

2.

3.

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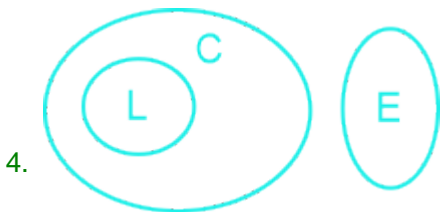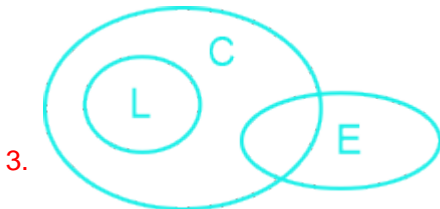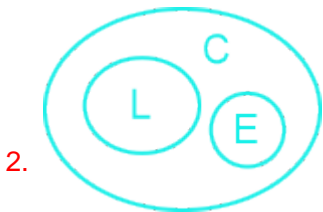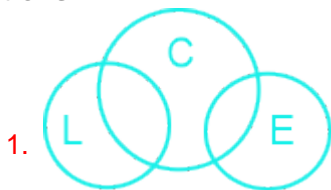
Solution :
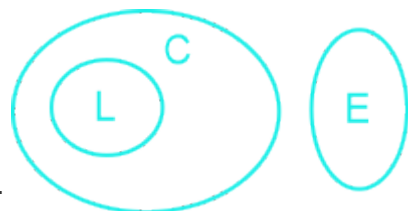
The correct answer is **option 4** i.e.

The possible Venn diagram is:
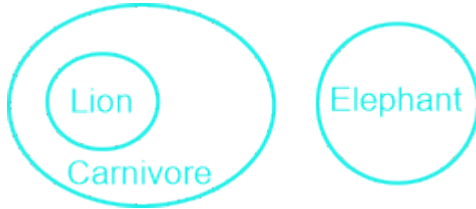
All lions are carnivores. An elephant is a different class.

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

Question 63 :
Select the set in which the numbers are related in the same way, as the numbers of the following set. (9, 6, 27)

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

Options :
1. (7, 5, 13)
2. (3, 2, 21)
3. (8, 6, 18)
4. (6, 4, 16)

Solution :
The correct answer is **option 3** i.e. **(8, 6, 18).**

The logic used here is:

(9, 6, 27)

9 - 6 = 3

3 × 9 = 27

Similarly;

(8, 6, 18)

8 - 6 = 2

2 × 9 = 18

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

Question 64 :

In a code language, PARROT is written as RLNMUI. How will CUCKOO be written in that language?

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

Options :

1. MGLYOV

2. MLGXOV

3. MLGYOV

4. MLGXQV

Solution :

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

The logic used here is:

PARROT is written as RLNMUI

First, reverse the code.

PARROT = IUMNLR

P - 7 = I

A - 6 = U

R - 5 = M

R - 4 = N

O - 3 = L

T - 2 = R

Similarly;

Code for the word CUCKOO:

C - 7 = V

U - 6 = O

C - 5 = X

K - 4 = G

O - 3 = L

O - 2 = M

CUCKOO = MLGXOV

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

Question 65 :

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

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1.

2.

3.

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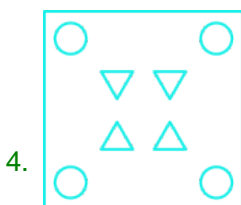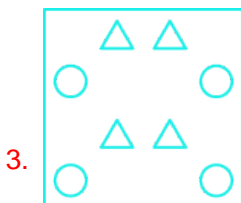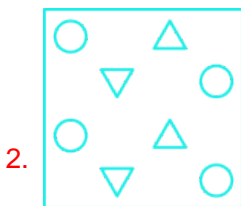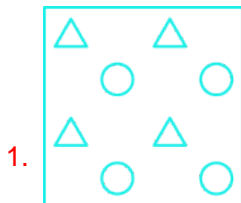
Solution :
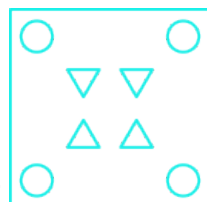
The correct answer is **option 4** i.e. .

After unfolding, the paper will appear as follows:
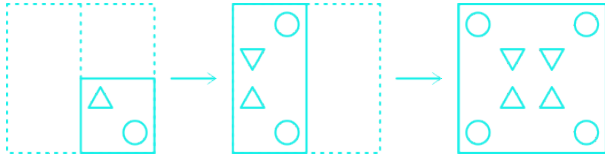
Question 66 :
Select the option figure in which the given figure is embedded (rotation is NOT allowed).

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1.

2.

3.

4.

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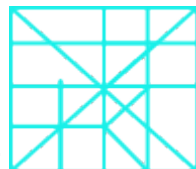
The correct answer is **option 1** i.e. .

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

Question 67 :

The distance between Surat and Ahmedabad is 280 km. Satish starts from Surat at 6:00 a.m. and drives in his car towards Ahmedabad at a constant speed of 50 km/h. After two hours, he increases his speed to 60 km/h and maintains the speed till he reaches Ahmedabad. At what time will he reach Ahmedabad?

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. 11:00 a.m.

2. 10:00 a.m.

3. 10:30 a.m.

4. 11:30 a.m.

Solution :

The correct answer is **option 1** i.e. **11:00 a.m.**

Distance between Surat and Ahmedabad = 280 km

As Speed = Distance ÷ Time

According to the question;

At 6:00 am - 8:00 am, Speed = 50km/h

Distance covered = Speed × Time = 50 × 2 = 100km

From 8:00 am to the time he reaches Ahmedabad, Speed = 60km/h

Remaining distance = 280 - 100 = 180km

Time = Distance ÷ Speed = 180 ÷ 60 = 3

So, initially he takes 2 hours and now he talked more 3 hours, so the total time taken by him to reach Ahmedabad = 5 hours

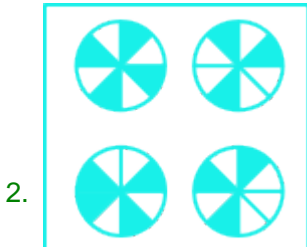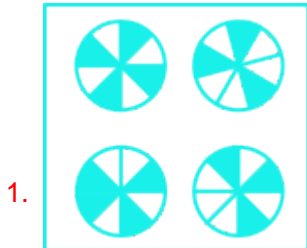So, he starts at 6:00 am and reaches there at 11:00 am.

Question 68 :

Select the correct mirror image of the given figure when a vertical mirror is placed to the right of the figure.

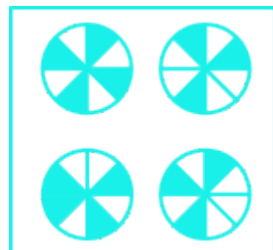**Difficulty : Moderate**

Average Time : 62 Seconds

Options :
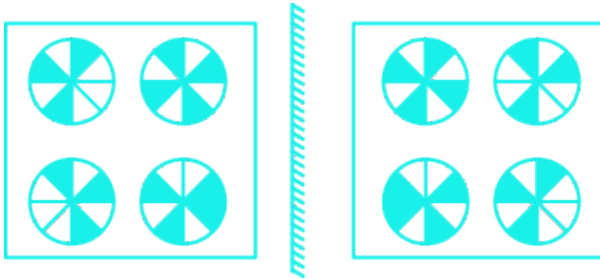
1.

2.

3.

4.
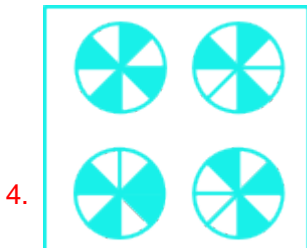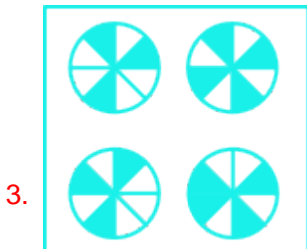
Solution :

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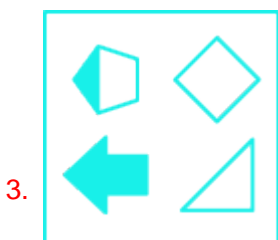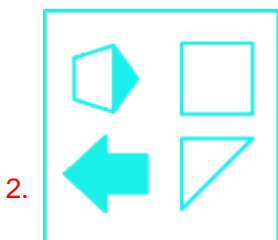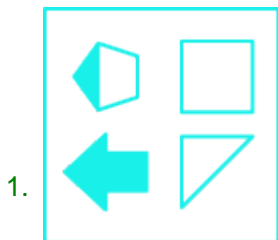
Hence, **option 2** is the correct answer.

Question 69 :
Select the option that is related to Figure C in the same way as Figure B is related to Figure A.

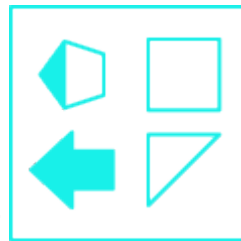**Difficulty : Moderate**   **Average Time : 73 Seconds**

Options :

1.

2.

3.

4.
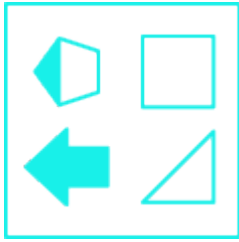
Solution :

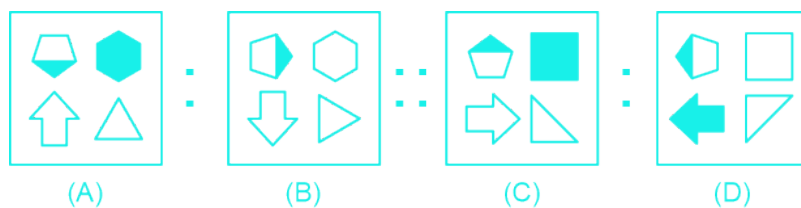The correct answer is **option 1** i.e. [figure].

The logic used here is:

Logic between A and B:

1. The top left corner figure is rotated by 90 degrees in the anticlockwise direction.

2. The top right corner figure is unshaded.

3. The bottom left corner is rotated by 180 degrees and shaded.

4. The bottom right corner is rotated by 90 degrees in the clockwise direction.

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

The pattern is:

(A)   (B)   (C)   (D)

Question 70 :
Three of the following four figures are alike in a certain way and one is different. Find the odd one.

Difficulty : Moderate   **Average Time : 80 Seconds**

Options :

1.

2.

3.

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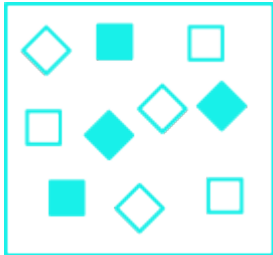
Solution :
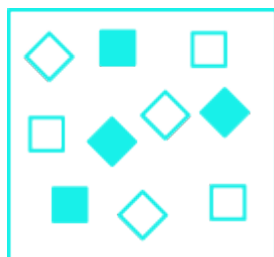
The correct answer is **option 2** i.e.

The logic used here is:

The number of shaded squares = 2

The number of shaded quadrilaterals = 3

In option 2, there are three shaded squares and 2 shaded quadrilaterals. This does not follow the logic.

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

Question 71 :
Which number will replace the question mark (?) in the following series? 21, 13, 33, 36, 67, 81, ?, 49, 102
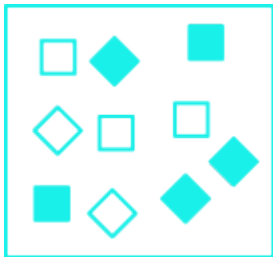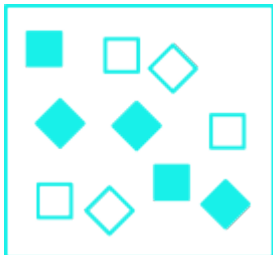
Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 96

2. 64

3. 24

4. 100

Solution :

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

Given series: 21, 13, 33, 36, 67, 81, ?, 49, 102

The series follows this pattern:

First number = 21

Reverse the number = 12

12 + 1 = 13

Second number = 13

Reverse the number = 31

31 + 2 = 33

Similarly;

33 + 3 = 36

63 + 4 = 67

76 + 5 = 81

18 + 6 = 24

42 + 7 = 49

94 + 8 = 102

So, the missing term in the series is **24.**

Question 72 :
Three of the following four words are alike in a certain way and one is different. Find the odd one.

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

Options :

1. Retrench

2. Rejuvenate

3. Restore

4. Regenerate

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

The logic used here is:

Retrench means reducing costs.

Rejuvenate means to make somebody/something feel or look younger.

Restore means to return to an original state after depletion or loss.

Regenerate means to generate or produce again.

Rejuvenate, Restore, and Regenerate are synonyms.

Hence, **Retrench** is the odd one out.

Question 73 :
Which figure will replace the question mark (?) in the following series?

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

Options :

1.

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2.

3.

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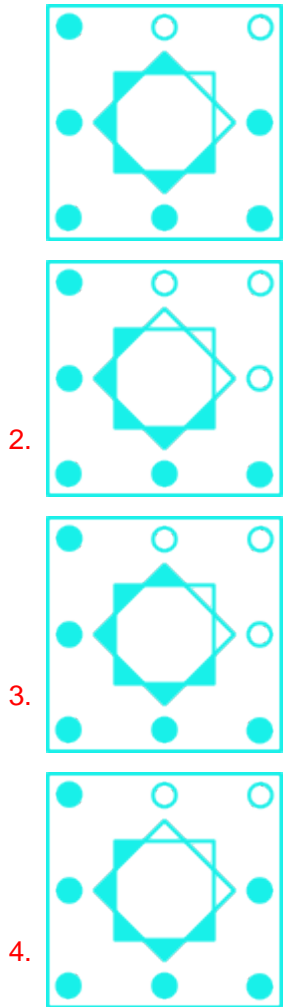
Solution :
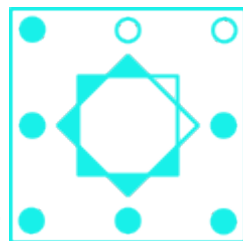
The correct answer is **option 1** i.e. .

The logic used here is:

1. The number of circles that is shaded increase by one from the left side.

2. The shaded portion of the square increases by one from the left side.

The image series:

Question 74 :

Which two signs should be interchanged to make the given equation correct? 42 ÷ 23 + 870 × 3 - 5 = 541

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

Options :

1. + and ×

2. ÷ and -

3. × and +

4. + and -

Solution :

The correct answer is **option 2** i.e. **+ and -.**

Given equation: 42 ÷ 23 + 870 × 3 - 5 = 541

Option 1: + and ×

After interchanging the expression becomes:

= 42 ÷ 23 × 870 + 3 - 5 = 541

= 1586.69 is not equal to 541.

Option 2: ÷ and -

After interchanging the expression becomes:

= 42 - 23 + 870 × 3 ÷ 5 = 541

= 541 is equal to 541.

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

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

Question 75 :

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

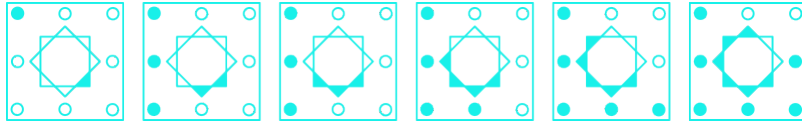**Difficulty : Moderate**   **Average Time : 61 Seconds**

Options :

1.

2.

3.

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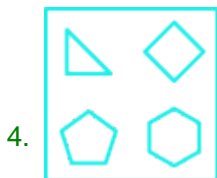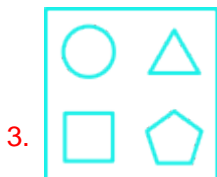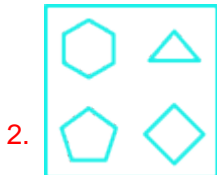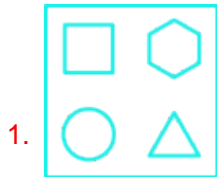
Solution :
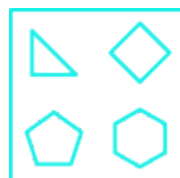
The correct answer is **option 4** i.e. .

The logic used here is:

All the figures inside the square have vertical lines of symmetry, whereas, in option 4, all figures do not have vertical lines of symmetry.

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

Question 76 :
What percentage of 4.5 kg is 18 gm?

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

Options :

    4%

2. 0.4%

3. 0.004%

4. 0.04%

Solution :

The correct answer is **option 2** i.e. **0.4%**

Let x % of 4.5 kg = 18 gm

x % ✗ 4.5 ✗ 1000 = 18

x = 18/45

x = 0.4 %

Question 77 :

A medicine capsule is in the shape of a cylinder of diameter 0.8 cm with two hemispheres stuck to each of its ends. The length of the entire capsule is 2 cm. What is the capacity (in cm³) of the capsule? (correct to two decimal places) (use $(pi=rac{22}{7})$)

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 0.91

2. 0.75

3. 0.87

4. 0.67

Solution :

The correct answer is **option 3** i.e. **0.87**

Given that

Diameter of cylindrical shape capsule = 0.8 cm

Radius (r) = Diameter/2 = 0.8/2 = 0.4 cm

Length of entire capsule = 2 cm

Then the length of the cylindrical capsule height (h) = 2 - 0.8 = 1.2 cm

Page No: 53

Volume/ Capacity of the capsule = Volume of cylindrical shape + 2 * Volume of the hemispherical shape of the capsule

$= r^2 h + 2 * (2/3)r^3$

$= (22/7) * 0.4^2 * 1.2 + 2 * (2/3) * (22/7) * 0.4^3$

$= 22/7 * ((0.16 * 1.2) + (4/3) * 0.4^3)$

$= 22/7 * 0.2773$

$= 0.87 \text{ cm}^3$

Question 78 :
The effective annual rate of interest corresponding to 12% per annum payable quarterly, is (correct to two decimal places):

Difficulty : Moderate   Average Time : 55 Seconds

Options :
1. 13.25%
2. 12.75%
3. 12.55%
4. 13.75%

Solution :
The correct answer is **option 3** i.e. **12.55%**

Compounded quarterly mean

Rate = 12/4 = 3% annually

Time = 1 * 4 = 4 year

The effective annual rate of interest is Successive of 3%, 3%, 3% & 3%

Firstly we calculate successive rate of 3%,3%,3%

$= 3 \times 3 + (3\times3 + 3\times3 + 3\times3)/100 + (3 \times 3 \times 3)/10000$

$= 9 + .27 + .0027 = $ approx 9.27

Now effective rate of 9.27 % & 3%

$= 9.27 + 3 + (9.27 \times 3)/100$

$= 12.27 + 0.278 = 12.55\%$

Question 79 :

Rohit marks his goods at 30% above the cost price, and allows 13.5% discount. If he sells an article for â‚¹1,012.05, then what is the cost price (in *) of the article?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 900

2. 750

3. 1000

4. 800

Solution :

The correct answer is **option 1** i.e. **900**

Let C.P of good = 100 unit

According to the question

M.P = 130 unit

S. P = M. P × 86.5% = 130 × .865 = 112.45 unit

Given S.P = 1012.05 Rs

112.45 unit = 1012.05

100 unit = (1012.05/112.45) × 100

C.P = 900 Rs

Question 80 :

A group of men decided to do a work in 20 days, but five of them remained absent. If the rest of the group could complete the work in 24 days, then how many men were in the original group?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 30

2. 35

3. 25

20

Solution :

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

Let x men in a group

According to the question

x × 20 = (x - 5) × 24

24x - 20x = 120

4x = 120

x = 30

Question 81 :

A library has an average of 502 visitors on Sundays, 475 on Saturdays, and 340 on weekdays. What is the average number of visitors per day in a month of 30 days beginning with a Sunday?

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

Options :

1. 391
2. 362
3. 400
4. 385

Solution :

The correct answer is **option 4** i.e. **385**

Given that

The month of 30 days begins with a Sunday.

Then, In this month four weeks (Sunday to Saturday) come + Sunday + Monday

Thus, a total of 5 Sundays, 4 Saturdays, and 21 weekdays are present

An Average of visitors on Sundays = 502

The sum of visitors on Sundays = 502 * 5 = 2510

An Average of visitors on Saturdays = 475

The sum of visitors on Saturdays = 475 * 4 = 1900

An Average of visitors on weekdays = 340

The sum of visitors on weekdays = 340 * 21 = 7140

Now, the average number of visitors per day in a month = (2510 + 1900 + 7140)/30

= 385

Question 82 :
The difference between the selling prices with a discount of 32% and two successive discounts of 20% and 12% is ₹36. What is the marked price (in) of the article?

Difficulty : Moderate

Average Time : 63 Seconds

Options :
1. 1250
2. 1500
3. 2000
4. 1800

Solution :
The correct answer is **option 2** i.e. **1500**

Given that

The successive discount of 20% & 12%

= 20 + 12 - (20 *12)/100 = (32 - 2.4) %

The single discount is = 32%

Now, The difference between the selling prices with a single discount 32% and The successive discount of 20% & 12% = 36

2.4% = 36

M.P (100 %) = 36/2.4 * 100 = ₹1500

Question 83 :
A person traveled 120 km by steamer, 450 km by train, and 60 km by horse. It took him 13 hours and 30 minutes. If the

speed of the train is 3 times that of the horse and 1.5 times that of the steamer, then what is the speed (in km/h) of the steamer?

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

Options :
   1. 35
   2. 40
   3. 25
   4. 15

Solution :

The correct answer is **option 2** i.e. **Decrease by 40%**

Given that

If the Speed of the train (T) = 3 * Speed of the horse(H) = 1.5 * Speed of streamer(S)

Speed of the train: Speed of the horse: Speed of streamer = 3: 1: 2

The total speed = Total distance / total time

According to the question

$(120/2x) + (450/3x) + (60/x) = 13 + ½ = 27/2$

$60/x + 150/x + 60/x = 27/2$

$270/x = 27/2$

$x = 20$

Now, Speed of streamer = 20 * 2 = 40 km/h

Question 84 :
The length and breadth of a rectangular floor are 14.35 m and 11.55 m, respectively. How many minimum number of square tiles would be required to cover it completely?

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

Options :
   1. 1353

1271

3. 1107

4. 1435

Solution :

The correct answer is **option 1** i.e. **1353**

Given that

The length of a rectangular floor = 14.35 m = 1435 cm.

The breadth of a rectangular floor = 11.55 m = 1155 cm

The minimum number of square tiles required = Area of rectangle / Area of squares

According to the question

1155 = 3 * 5 * 11 * 7

1435 = 5 * 7 * 41

H.C.F = 7 * 5 = 35

Now, Required no. = (1435 * 1155) /(35* 35)

= 41 * 33 = 1353

Question 85 :
In a two-digit number, the unit's digit exceeds its ten's digit by 4. If the product of the given number and the sum of its digits is 370, then what is the number?

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

Options :

1. 62

2. 37

3. 26

4. 73

Solution :
The correct answer is **option 2** i.e. **37**

Let a 2-digit no. = 10x + y

According to the question

y = x + 4 ....(1

(10x + y) * (x + y) = 370

Put the value of y from equation 1

(11x + 4) * (2x + 4) = 370

After solving we get,

x = 3 & y = 7

Hence, a 2-digit no. = 10 * 3 + 7 = 37

Question 86 :
The radii of the two circles are 4 cm and 3 cm, respectively. What is the diameter (in cm) of the circle having an area equal to four times the sum of the areas of the two circles?

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

Options :
   1. 12

   2. 20

   3. 24

   4. 10

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

Let the radius of a required circle = r cm

Given the radii of the two circles are 4 cm and 3 cm.

According to the question

The circle having an area = 4 * The sum of the areas of the two circles.

$* r^2 = 4 * (* 4^2 + * 3^2)$

$r^2 = 4 * 25$

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r = 10 cm

Hence, diameter of circle = 10* 2 = 20 cm

Question 87 :

A person invested â,¹50,000, partly at 10% and the rest at 12% per annum at simple interest. At the end of two years, the total interest received was 11,640. How much is the first and the second part of the investment?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 9,000; 41,000

2. 31,000; 19,000
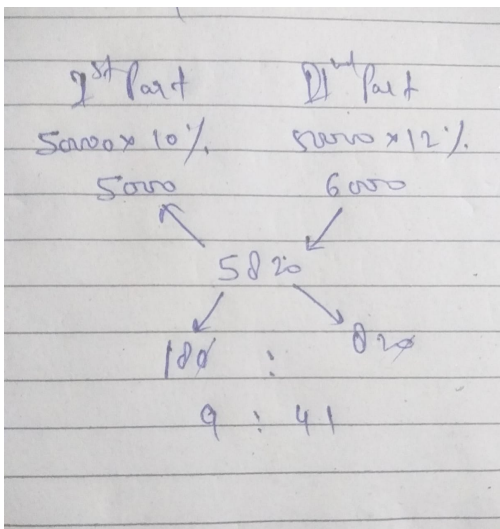
3. 20,000; 30,000

4. 10,000; 40,000

Solution :

The correct answer is **option 1** i.e. **9,000; 41,000**

Given that

The total interest for 2 years = 11640

for 1 years = 11640/2 = 5820

We use the allegation method

Now, (9 + 41) units = 50000

50 units = 50000

1 unit = 1000

Hence, Ist part & 2nd part = 9000, 41000

Question 88 :

The ratio of the price of two bicycles was 7: 8. Two years later when the price of the first rose by 30% and the price of the second increased by 1,500, then their prices were in the ratio of 15: 16. What is the original price of (in 2) the second bicycle?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 7,031.25
2. 8,103.25
3. 7,013.25
4. 8,031.25

Solution :

The correct answer is **option 1** i.e. **7,031.25**

Given that

The ratio of the price of two bicycles was 7: 8

The price Ist bicycle = 7x

The price of 2nd bicycle = 8x

According to the question

Ist bicycle = 7x * 1.3 = 9.1x

2nd bicycle = 8x + 1500

Then, 9.1x/(8x + 1500) = 15/16

9.1x * 16 = (8x + 1500) * 15

25.6x = 22500

x = 878.91

Hence, 2 nd bicycle cost = 8x = 8 * 878.91 = 7031.25 Rs

Question 89 :

What should be subtracted from $(3\frac{1}{7}+4\frac{3}{7})+\frac{7}{6})$ to make the number a whole number?

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

Options :

1. $\frac{7}{42}$

2. $\frac{31}{42}$

3. $\frac{11}{42}$

4. $\frac{17}{42}$

Solution :

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

Given that $\frac{31}{42}$

$(3\frac{1}{7}+4\frac{3}{7})+\frac{7}{6}$ = ((22/7) + (24/7)) + 7/6

= 46/7 + 7/6 = 325/42

Now, we check options that should be subtracted from 325/42 to make a whole no.

Choose Option no. 2 = (31/42) and check

= 325/42 - 31/42 = 294/42 = 7 (a whole no.)

Hence, 31/42 should be the required no.

Question 90 :

A person spends 75% of his monthly income. If his income increases by 50% and the expenditure increases by 80%., then what is the percentage increase/decrease in his monthly savings?

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

Options :

1. Increase by 35%

2. Decrease by 40%

3. Increase by 25%

Decrease by 15%

Solution :

The correct answer is **Option 2** i.e. **Decrease by 40%**.

Let the initial income of the person be 100x

Then expenditure = 75x

Savings = 25x

Increased increase = 150% of 100x = 150x

Increased expenditure = 180% or 9/5 of 75x = 135x

New Savings = 15x

Percentage decrease in savings = (25x - 15x)/25x = 2/5 = 40%

Question 91 :
Which of the following is true with reference to opening and closing documents in MS Word 2007?

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

Options :

1. To close a document, click '-' in the upper right corner of the window.

2. For opening a new file, click on 'New' in Windows button.

3. The shortcut key for opening a document is Ctrl+F.

4. By default, MS Word document contains no pages when it is opened.

Solution :

The correct answer is **option 2** i.e. **For opening a new file, click on 'New' in Windows button.**

To open a new file, click on the 'New' in the Windows button in MS Word 2007.

1. Click on the file tab.

2. Click new and double-click on the blank workbook.

3. Shortcut: Ctrl + N

Question 92 :
What will be the result of the formula '=16/2^3' in a cell in MS Excel?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 2
2. 512
3. 124
4. 6

Solution :

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

Given formula '=16/2^3'

2^3 = 2 × 2 × 2 = 8

16/8 = 2

Question 93 :
Which of the following is NOT an email service provider?

Difficulty : Moderate

Average Time : 32 Seconds

Options :

1. Yahoo Mail
2. Hotmail
3. Coolmail
4. Gmail

Solution :

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

Coolmail is not an email service provider.

Yahoo Mail is an email service offered by the American company Yahoo and was launched on 8 October 1997.

Hotmail is an email service provided by Microsoft. But on April 3rd, 2013 Microsoft changed its website to "Outlook.com".

Gmail is an email service provided by Google and was launched on April 1, 2004.

Question 94 :

Which of the following shortcut is used to select a paragraph in MS Word?

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

Options :

1. Ctrl+click on a paragraph

2. Double-click on a paragraph

3. Triple-click on a paragraph

4. Alt+click on a paragraph

Solution :

The correct answer is **option 3** i.e. **Triple-click on a paragraph.**

The shortcut that is used to select a paragraph in MS Word: Triple-click on a paragraph.

Double click in MS Word is used to select a single word.

Ctrl + click in MS Word is used to select a sentence in a paragraph in MS Word

Question 95 :

Which of the following is used to create small letters above the line of text in MS Word?

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

Options :

1. Subscript

2. Superscript

3. Underline

4. Strikethrough

Solution :

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

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

Shortcut: Ctrl + Shift + Plus sign (+)

Ex: a^2

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

Shortcut: Ctrl + Shift + Equal sign (=)

Ex: a_2

Underline is used to underline the text.

Shortcut: Ctrl+U

Ex: Henry

Strikethrough is used to suggest a revision.

Shortcut: Ctrl+D

Ex: ~~Henna~~

Question 96 :

Which of the following is used to identify every computer on the internet?

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

Options :

1. Internet address
2. IP address
3. Location address
4. Computer name

Solution :

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

An IP address is a unique address that identifies a device on the internet or a local network.

Internet Protocol version 4 defines an IP address as a 32-bit number, and IP (IPv6), using 128 bits for the IP address.

Question 97 :

Which of the following shortcut key is used to paste the clipboard contents in an MS Word document?

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

Options :

1. Ctrl+Z

Ctrl+X

3. Ctrl+V

4. Ctrl+C

Solution :
The correct answer is **option 3** i.e. **Ctrl+V.**

Ctrl+V is used to paste the clipboard contents into an MS Word document.

Ctrl+C is used to copy the selected content to the clipboard.

Ctrl+X is used to cut the selected content to the Clipboard.

Ctrl+Z is used to undo the previous action.

Question 98 :
Which of the following protocols is used to transfer files from one host to another over the Internet?

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

Options :

1. IP

2. UDP

3. FTP

4. TCP

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

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

File Transfer Protocol (FTP) is a communication protocol used for the transfer of computer files from a server to a client on a computer network.

Internet Protocol(IP) is the set of rules governing the format of data sent via the internet or local network.

User Datagram Protocol (UDP) is a communication protocol used across the Internet for especially time-sensitive transmissions.

Transmission Control Protocol (TCP) enables application programs and computing devices to exchange messages over a network.

Question 99 :

Which of the following refers to the intersection of a column and row in a worksheet of MS Excel?

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

Options :

1. Name Box

2. Cell

3. Formula Bar

4. Workbook

Solution :

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

A **cell** is the intersection of a column and a row in a worksheet of MS Excel.

Columns are identified by letters (A, B, C), while rows are identified by numbers (1, 2, 3).

Question 100 :

Which of the following feature of MS Excel is used to quickly copy and paste content to adjacent cells in the same row or column?

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

Options :

1. Clear Formatting

2. Format Painter

3. Auto Format

4. Fill handle

Solution :

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

Fil handle is used to quickly copy and paste content to adjacent cells in the same row or column. When you drag the handle to other cells, different results will be displayed for each cell.

Clear Formatting is used to clear the content of the cells.

Format Painter is used to apply the same formatting, such as color, font style, etc. to multiple texts.

Auto Format is used to quickly and easily format data to match a predefined style.

Delhi Police Constable Tier 1 Previous Year Question Paper Analysis

The analysis of Delhi Police Constable Tier 1 Previous Year Question Paper held on 2020-12-01 in the Morning exam is as follows:

1. 100 questions were moderate.
2. The safe score is 75 marks.
3. 50 questions were asked from General Awareness, 25 questions were asked from Logical Reasoning, 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

General Awareness

1. Art And Culture - 50

Logical Reasoning

1. Coding Decoding - 1
2. Analogy - 4
3. Classification - 1
4. Venn Diagrams - 2
5. Figure Based - 11
6. Series - 2
7. Mathematical Reasoning - 2
8. Cubes And Dice - 2

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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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.