

Rrb Ntpc CBT - 1 Previous Year Question Paper Overview

Here, you can solve all the questions asked in Rrb Ntpc CBT - 1 Previous Year Question Paper on 2016-04-05 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 Rrb Ntpc CBT - 1 exam. There are 100 questions in the exam and 90 minutes are provided for the Rrb Ntpc CBT - 1 exam. The Cutoff of the exam was 68 marks hence you should try to score at least 78 marks.

Rrb Ntpc CBT - 1 Previous Year Question Paper : Questions and Solutions

Question 1 :

Project Loon is a search engine project by _____ for providing internet access to rural ad remote areas high-altitude helium-filled balloons.

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Google
2. Microsoft
3. Apple
4. Yahoo

Solution :

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

- **Project Loon** is a network of balloons traveling on the edge of space, designed to extend Internet connectivity to people in rural and remote areas worldwide.
- **Loon LLC is an Alphabet Inc. subsidiary** working on providing Internet access to rural and remote areas. The company uses high-altitude balloons in the stratosphere at an altitude of 18 km (11 mi) to 25 km (16 mi) to create an aerial wireless network with up to 4G-LTE speeds.
- **Alphabet Inc. was created through a restructuring of Google on October 2, 2015, and became the parent company of Google and several former Google subsidiaries.**

Question 2 :

The communication satellite launched by India in November 2015 is _____.

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. GSAT-6
2. GSAT-15
3. GSAT-16
4. IRNSS-1E

Solution :

The correct answer is **option 2**, i.e., **GSAT-15**.

| | <u>LAUNCH DATE</u> | <u>LAUNCH VEHICLE</u> | <u>APPLICATION</u> | |
|---------|--------------------|-----------------------|---------------------------|--|
| GSAT-15 | Nov 11, 2015 | Ariane-5 VA-227 | Communication, Navigation | |
| GSAT-6 | Aug 27, 2015 | GSLV D-6 | Communication | |
| GSAT-16 | Dec 07, 2014 | Ariane-5 VA-221 | Communication | |

| | | | | |
|----------|--------------|-----------|------------|--|
| IRNSS-1E | Jan 20, 2016 | PSLV C-31 | Navigation | |
|----------|--------------|-----------|------------|--|

Question 3 :

The capital of Nagaland is _____.

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. Dimapur
2. Kohima
3. Mokokchung
4. Tezpur

Solution :

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

- **Nagaland** is bounded by the Indian states of Arunachal Pradesh to the northeast, Manipur to the south, and Assam to the west and northwest and the country of Myanmar (Burma) to the east.
- **The state capital is Kohima**, located in the southern part of Nagaland.
- Dimapur is the most populous city in Nagaland.
- **Tezpur** is a city and urban agglomeration in Sonitpur district, **Assam state**, India.

Question 4 :

Who was the founder of the Swaraj Party?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. C. Rajagopalachari
2. Motilal Nehru



Lala Lajpat Rai

4. Mahatma Gandhi

Solution :

The correct answer is **option 2**, i.e., **Motilal Nehru**.

- The **Swaraj Party** was established as the Congress-Khilafat Swaraj Party.
- It was a political party formed in India in January 1923 by **Chittaranjan Das and Motilal Nehru**.
- The Swatantra Party was founded by **C. Rajagopalachari**.
- **Lala Lajpat Rai**, popularly known as Punjab Kesari, was a famous freedom fighter of India.
- **Mohandas Karamchand Gandhi** employed nonviolent resistance to lead the successful campaign for India's independence from British Rule.

Question 5 :

Banaras Hindu University which completed 100 years in 2016 was founded by whom?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. Gulzari Lal Nanda
2. Madan Mohan Malviya
3. Jay Prakash Narayan
4. Sarvepalli Radhakrishnan

Solution :

The correct answer is **option 2**, i.e., **Madan Mohan Malviya**.



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- **Banaras Hindu University**, formerly Central Hindu College, is a public central university located in Varanasi, Uttar Pradesh. It was established in 1916 by **Madan Mohan Malaviya**, with co-operation from Annie Besant.
- **Gulzarilal Nanda** was an Indian politician and economist who specialized in labour issues. He was the Prime Minister of India for two short periods following the deaths of Jawaharlal Nehru in 1964 and Lal Bahadur Shastri in 1966.
- **Jayaprakash Narayan**, popularly referred to as JP or Lok Nayak, was an Indian independence activist, theorist, socialist and political leader.
- **Sarvepalli Radhakrishnan** was an Indian philosopher, academic, and statesman who served as the first Vice President of India and the second President of India.

Question 6 :

Which one is not a good conductor of electricity?

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. Porcelain
2. Aluminium
3. Tungsten
4. Nickel

Solution :

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



- **Conductors** are the materials or substances which allow electricity to flow through them. They are able to conduct electricity because they allow electrons to flow inside them very easily.
- Copper, Brass, Steel, Gold, Tungsten, Nickel, and Aluminium are good conductors of electricity.
- **Most ceramics resist the flow of electric current, and for this reason, ceramic materials such as porcelain have traditionally been made into electric insulators.**

Question 7 :

ICT is the common abbreviation of

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. International Communication Technology
2. Intelligent Communication Technology
3. Inter-State Technology
4. Information and Communication Technology

Solution :

The correct answer is **Option 4** i.e. **Information and Communication Technology**.

- **ICT stands for Information and Communications Technology.** It is an umbrella term that refers to technological tools and resources (communication devices and applications) used to handle network-based control and monitoring, telecommunications, audiovisual processing, and transmission systems, intelligent building management systems, broadcast media, and so on.
- It includes any product that stores, retrieves, and manages the digital data like computers, mobile phones, robots, etc.

Question 8 :

Who was the first Cricketer to score 4 successive centuries in World cup cricket?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Kumar Sangakkara
2. AB de Villiers
3. Ross Taylor
4. Saeed Anwar

Solution :

The correct answer is **option 1**, i.e., **Kumar Sangakkara**.



- **Sri Lanka's batsman Kumara Sangakkara became the first player to score four successive one-day international centuries.** He sets the new record in a world cup match against Scotland.
- **Ross Taylor** is the first New Zealander to have centuries against all Test-playing nations in ODIs and the sixth overall.
- **AB de Villiers** holds the record for most Test innings without registering a duck (78), before being dismissed for naught against Bangladesh in November 2008
- Considered as one of greatest opening batsmen Pakistan has ever produced, **Saeed Anwar** has scored twenty centuries in ODIs, more than any other Pakistani batsmen in this format.

Question 9 :

The technology developed to track enemy submarines in World War II was

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. RADAR
2. SONAR
3. Echolocation
4. LIDAR

Solution :

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



- Two similar but different technological advances that figured prominently in the Allied victory in World War II were **radar** and **sonar**, both techniques for detecting the location and speed of enemy aircraft or submarines.
- **The use of sonar allowed the powerful British surface fleet to detect the direction and depth of German submarines and destroy many of them.**
- Radar was a **new technology** developed right before the war. It **used** radio waves to detect enemy aircraft. The British were the first to employ radar and it helped them to fight off the Germans in the Battle of Britain.
- Bats locate flying insects at night by producing sound waves with such a high frequency that they cannot be heard by the human ear. These waves strike the insect and are reflected in the bat's ear, allowing the bat to detect the location of the insect. Biologists call this **echolocation**.

Question 10 :

A human adult's entire digestive tract from mouth to anus is about _____ meters long.

Difficulty : Moderate

Average Time : 84 Seconds

Options :

1. 8
2. 7
3. 10
4. 9

Solution :

The correct answer is **option 4**, i.e., **9**.

- The alimentary canal is the long tube of organs — including the esophagus, stomach, and intestines — that runs from the mouth to the anus.
- **An adult's digestive tract is about 30 feet (about 9 meters) long.** Digestion begins in the mouth, well before food reaches the stomach.

Question 11 :

Which one of the following is not alkaline?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Sodium
2. Potassium
3. Lithium
4. Sulphur

Solution :

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

- The **alkali** metals consist of the chemical elements **lithium (Li)**, **sodium (Na)**, **potassium (K)**, rubidium (Rb), caesium (Cs), and francium (Fr).
- **The alkali metals are also called alkaline because reaction with water forms alkalies (i.e., strong bases capable of neutralizing acids).**

Question 12 :

Which ailment is not related to Heart?

Difficulty : Moderate

Average Time : 53 Seconds

Options :



Aneurysm

2. Cardiomyopathy

3. Diphtheria

4. Myocardial rupture

Solution :

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

- **Diphtheria** is a serious infection of the nose and throat caused by the bacterium *Corynebacterium diphtheriae*. It causes a thick covering in the back of the throat. It can lead to difficulty breathing, heart failure, paralysis, and even death.
- An **aneurysm** is the enlargement of an artery caused by weakness in the arterial wall.
- **Cardiomyopathy** is a disease of the heart muscle that makes it harder for your heart to pump blood to the rest of your body.
- **Myocardial rupture** is a laceration of the ventricles or atria of the heart, of the interatrial or interventricular septum, or of the papillary muscles. It is most commonly seen as a serious sequela of acute **myocardial infarction** (heart attack).

Question 13 :

'Euro' is the currency of

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. UK
2. Sweden
3. Euro Zone
4. Denmark

**Solution :**

The correct answer is **option 3**, i.e., **Euro Zone**.

- The currency of Sweden is Swedish Krona.
- The currency of the United Kingdom is Pound sterling.
- **The currency of the Eurozone is Euro.**
- The currency of Denmark is Kroner.

Question 14 :

What does Gunpowder mainly consists of?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Calcium Sulphate
2. Potassium Nitrate
3. Lead Sulfide
4. Zinc Sulfide

Solution :

The correct answer is **option 2**, i.e., **Potassium Nitrate**.

- **Gunpowder**, also known as **black powder** to distinguish it from modern smokeless powder, is the earliest known chemical explosive.
- **It consists of a mixture of sulfur (S), charcoal (C), and potassium nitrate (saltpeter, KNO_3).**
- The sulfur and charcoal act as fuels while the saltpeter is an oxidizer

Question 15 :

The most significant feature of Indus Valley Civilisation was

Difficulty : Moderate

Average Time : 53 Seconds

Options :



Barter system

2. Local transport system
3. Buildings made of bricks
4. Administrative system

Solution :

The correct answer is **option 3**, i.e., **Buildings made of bricks**.

- The **significant features of Indus Valley civilization** are personal cleanliness, town planning, **construction of burnt-brick houses**, ceramics, casting, forging of metals, manufacturing of cotton and woolen textiles.
- The history of **barter system** dates all the way back to 6000 BC. Introduced by Mesopotamia tribes, bartering was adopted by the Phoenicians.

Question 16 :

NGT stands for

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. National Geographic Television
2. National Green Transport
3. National Green Trust
4. National Green Tribunal

Solution :

The correct answer is **option 4**, i.e., **National Green Tribunal**.



- The **National Green Tribunal (NGT)** is a statutory body that was established in 2010 by the National Green Tribunal Act.
- National Green Tribunal Act, 2010 is an Act of the Parliament of India which enables the creation of a special tribunal to handle the expeditious disposal of the cases pertaining to environmental issues.

Question 17 :

In 2012 Olympics, maximum gold medals were won by

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. China
2. Great Britain
3. U.S.A
4. Russia

Solution :

The correct answer is **option 3**, i.e., **U.S.A.**

| rank | Country | Gold | Silver | Bronze | Total |
|------|---------------|------|--------|--------|-------|
| 1 | USA | 46 | 29 | 29 | 104 |
| 2 | China | 38 | 27 | 23 | 88 |
| 3 | Great Britain | 29 | 17 | 19 | 65 |
| 4 | Russia | 24 | 26 | 32 | 82 |

Question 18 :

India came directly under the crown of British rule in the year _____.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1857

2. 1858

3. 1859

4. 1856

Solution :

The correct answer is **option 2**, i.e., **1858**.

- Company rule in India effectively began in 1757 and lasted until 1858, when, following the Indian Rebellion of 1857, **the Government of India Act 1858 led to the British Crown's assuming direct control of the Indian subcontinent in the form of the new British Raj.**

Question 19 :

Headquarters of NASA is at

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. New York
2. Washington
3. Boston
4. Texas

Solution :

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

- **The National Aeronautics and Space Administration(NASA)** is an independent agency of the United States Federal Government responsible for the civilian space program, as well as aeronautics and aerospace research.
- **NASA Headquarters, in Washington**, provides overall guidance and direction to the agency, under the leadership of the Administrator.

Question 20 :

India cover _____ percent of the earth's land area.

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 2.8
2. 2.4
3. 2.0
4. 3.2

Solution :

The correct answer is **option 2**, i.e., **2.4**.

- The total area of Indian landmass is around 3.28 million Km².
- This implies that **the total area of India accounts for about 2.4 percent of the total geographical area of the world.**

Question 21 :

Which one is considered India's first supercomputer?

Difficulty : Moderate

Average Time : 47 Seconds



Options :

1. Aditya
2. Vikram-100
3. Param 8000
4. Sahasra T

Solution :

The correct answer is **option 3**, i.e., **Param 8000**.

- Supercomputer **PARAM 8000** (made by the Centre for Development of Advanced Computing (C-DAC)) was launched on July 1, 1991, is **considered India's first supercomputer**.
- It was indigenously built in 1991 by C-DAC and was replicated and installed at ICAD Moscow in 1991 under Russian collaboration.
- **Vikram-100** is the 13th fastest supercomputer in India.

Question 22 :

Bangladesh has a land border with

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. only India
2. India and Myanmar
3. India and Bhutan
4. India and China

Solution :

The correct answer is **option 2**, i.e., **India and Myanmar**.



- Bangladesh is a South Asian country marked by lush greenery and many waterways.
- Its capital is Dhaka.
- **Bangladesh shares land borders with India** to the west, north, and east, **Myanmar** to the southeast, and the **Bay of Bengal** to the south.

Question 23 :

INSAT 3D, a meteorological satellite with advanced weather monitoring payloads, was launched in

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. 2012
2. 2013
3. 2014
4. 2015

Solution :

The correct answer is **option 2**, i.e., **2013**.

- India's **Weather Satellite INSAT-3D**, carrying advanced weather monitoring payloads, was launched successfully on **July 26, 2013**, by **Ariane-5 (VA214)** launch vehicle from Kourou, French Guiana.

Question 24 :

Verification of log-in name and password is for?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Authenticating the user

Re-confirming the user

3. Providing formal access to the user

4. Completing the formality of log-in

Solution :

The correct answer is **option 1**, i.e., **Authenticating the user**.

- **Verification of a login name and password is known as authentication.** User authentication is a process that allows a device to verify the identity of someone who connects to a network resource. Or,
- Authentication is the process of validating the identity of a registered user before allowing access to the protected resource

Question 25 :

Infrared rays are

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Longitudinal Waves
2. Transverse waves
3. Mechanical waves
4. Electromagnetic Waves

Solution :

The correct answer is **option 4**, i.e., **Electromagnetic Waves**.



- **Infrared, sometimes called infrared light, is electromagnetic radiation** with wavelengths longer than those of visible light. It is therefore generally invisible to the human eye.
- **Electromagnetic radiation** refers to the waves of the electromagnetic field, propagating through space, carrying electromagnetic radiant energy. It includes radio waves, microwaves, infrared, light, ultraviolet, X-rays, and gamma rays.
- In a **longitudinal wave**, the particle displacement is parallel to the direction of wave propagation.
- In a **transverse wave**, the particle displacement is perpendicular to the direction of wave propagation.
- A **mechanical wave** is a wave that is an oscillation of matter and therefore transfers energy through a medium

Question 26 :

A Compiler is a

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. Hardware
2. Software
3. Neither hardware nor software
4. Card

Solution :

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



- Computer **hardware** is any physical device used in or with your machine, whereas **software** is a collection of programming code installed on your computer's hard drive.
- A **compiler** is a special program that processes statements written in a particular programming language and turns them into machine language or "code" that a computer's processor uses.
- Thus, A compiler is a software.

Question 27 :

Which river does not flow into the Arabian Sea?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Narmada
2. Tapti
3. Periyar
4. Mahanadi

Solution :

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



- The **Tapti** River is a river in central India between the Godavari and Narmada rivers which flows westwards before draining into the Arabian Sea.
- **The Narmada** rises from Amarkantak Plateau near Anuppur district Madhya Pradesh. It forms the traditional boundary between North India and South India drains through the Gulf of Khambhat into the Arabian Sea.
- **Periyar** is 2nd largest river of Kerala that flows through Periyar National Park and finally drains into the Arabian Sea.
- **The Mahanadi** is a major river in East Central India. It travels a distance of 360 km to **drain into the Bay of Bengal**.

Question 28 :

'Khajuraho' group of monuments can be found in

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. **Maharastra**
2. **Bihar**
3. **Madhya Pradesh**
4. **Gujarat**

Solution :

The correct answer is **option 3**, i.e., **Madhya Pradesh**.

- **The Khajuraho Group of Monuments** is a group of Hindu temples and Jain temples in Chhatarpur district, **Madhya Pradesh, India**.
- They are a UNESCO World Heritage Site.
- The temples are famous for their nagara-style architectural symbolism and their erotic sculptures.

Question 29 :

Stainless Steel is

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

1. A compound
2. A mixture
3. An element
4. An alloy

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

- An **alloy** is a combination of a metal with at least one other metal or nonmetal.
- The combination must be part of a solid solution, a compound, or a mixture with another metal or nonmetal in order for it to be considered an **alloy**.
- **Stainless steel is an alloy** of steel with a minimum of 10.5% and up to 30% chromium that gives this steel its unique properties.

Question 30 :

The Human respiration releases

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

1. Mixture of gases
2. Carbon monoxide
3. Oxygen
4. Carbon dioxide

**Solution :**

The correct answer is **option 4**, i.e., **Carbon dioxide**.

- The process of respiration produces energy for organisms by combining glucose with oxygen from the air.
- During cellular respiration, glucose and oxygen are changed into energy and carbon dioxide.
- Therefore, **carbon dioxide is released** into the atmosphere during the process of cellular respiration.

Question 31 :

Statue of Liberty is situated in :

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Paris
2. Washington
3. Geneva
4. New York

Solution :

The correct answer is **option 4**, i.e., **New York**.

- **The Statue of Liberty** is a colossal neoclassical sculpture on Liberty Island in New York Harbor in **New York**, in the United States.
- The Statue of Liberty was a gift from the French people commemorating the alliance of France and the United States during the American Revolution.

Question 32 :

Usually, Colour Blindness is



Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. A genetic disposition
2. A non-genetic condition
3. A lifestyle disease
4. Caused by exposure to light

Solution :

The correct answer is **option 1**, i.e., **A genetic disposition**.

- Colour Blindness is a reduced ability to distinguish between certain colours.
- **The condition is often genetically inherited.**
- Other causes include certain eye diseases and medication. More men than women are affected.
- Colour blindness usually involves the inability to distinguish between shades of red and green.
- There is no treatment for inherited colour blindness. If colour blindness is caused by another condition, treating the underlying cause can help.

Question 33 :

What will happen to a person's weight when he is in a moving elevator?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. Increase
2. Decrease
3. Weight will not change
4. May increase or decrease

Solution :

The correct answer is **option 3**, i.e., **Weight will not change**.



- When the elevator is moving, we will weigh our normal weight.
- Since we are already moving at the same speed as the elevator (up or down), nothing is affecting us to change our weight.
- The definition of "weight" is just the magnitude of the force of gravity on an object, which won't change much unless you take the elevator very far from the surface of the earth.

Question 34 :

Rajya Sabha is also known as ?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Legislative Council
2. Senior House
3. Upper House
4. Lower House

Solution :

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



- The State Legislative Council is the upper house in those states of India that have a bicameral state legislature; the lower house being the State Legislative Assembly.
- The Rajya Sabha or Council of States is the upper house of the bicameral Parliament of India.
- It currently has a maximum membership of 245, of which 233 are elected by the legislatures of the states and union territories using Single Transferable Vote through Open Ballot while the President can appoint 12 members for their contributions to art, literature, science, and social services.
- The Lok Sabha, or House of the People, is the lower house of India's bicameral Parliament.

Question 35 :

Which one does not belong to the group?

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. Panda Global
2. Rabbit
3. Avast
4. Kaspersky

Solution :

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



- **Panda Global Protection** is a security suite for Windows that includes **antivirus**, antispyware, antiphishing, antispam, parental control, and protection against malware.
- **Avast Antivirus** is a family of cross-platform internet security applications developed by Avast for Microsoft Windows, macOS, Android, and iOS.
- **Kaspersky Lab** is a multinational cybersecurity and **anti-virus** provider headquartered in Moscow, Russia, and operated by a holding company in the United Kingdom.

Question 36 :

Which country won the U-19 World Cup Cricket 2016?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. India
2. Sri Lanka
3. West Indies
4. Bangladesh

Solution :

The correct answer is **option 3**, i.e., **West Indies**.

- **The West Indies has won the 2016 ICC Under-19 Cricket World Cup** title by defeating three-time champion India in Mirpur, Bangladesh.
- This was the first time West Indies won the title.

Question 37 :

A man covers 1 km in 10 min. What is his speed in kmph? Disclaimer- For this question discrepancy was found in question/answer. Hence, the question is modified accordingly.



Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 6 kmph
2. 10 kmph
3. 1 kmph
4. 20 kmph

Solution :

The correct answer is **option 1**, i.e., **6 kmph**.

Solution:

Speed = distance ÷ time

Speed = 1 km ÷ 10/60 hr

Speed= 6 km/hr

Question 38 :

The aim of the Five Year Plan(2012-17) was to achieve “faster, sustainable and more inclusive growth”. Disclaimer- For this question discrepancy was found in question/answer. Hence, the question is changed accordingly.

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 10th
2. 11th
3. 12th
4. 13th

Solution :

The correct answer is **option 3**, i.e., **12th**.



- The government of India approved the 12th five-year plan (2012-17) that aims to achieve the annual average economic growth rate of 8.2 percent, down from 9 percent (Eleventh plan 2007-12). **The aim of the 12th Five Year Plan was to achieve “faster, sustainable and more inclusive growth”.**
- 12th Five Year Plan of the Government of India was India's last Five Year Plan.
- The Niti Aayog, which has replaced the Planning Commission, launched a three-year action plan from April 1, 2017.

Question 39 :

The historic Conference of Parties(COP 21) 2015, on climate change was held in?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. Geneva
2. Davos
3. Paris
4. Bonn

Solution :

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



- The 2015 United Nations Climate Change Conference, COP 21 or CMP 11 was held in Paris, France, from 30 November to 12 December 2015.
- The international political response to climate change began at the Rio Earth Summit in 1992, where the 'Rio Convention' included the adoption of the UN Framework on Climate Change (UNFCCC).
- The main objective of the annual Conference of Parties (COP) is to review the Convention's implementation.
- In 2015 COP21, also known as the 2015 Paris Climate Conference, will, for the first time in over 20 years of UN negotiations, aim to achieve a legally binding and universal agreement on climate, with the aim of keeping global warming below 2°C.

Question 40 :

Tashkent Declaration followed the Indo-Pak war of _____.

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. 1947
2. 1965
3. 1971
4. 1999

Solution :

The correct answer is **Option 2** i.e. **1965**.

- The Tashkent Declaration was a peace agreement between India and Pakistan signed on 10 January 1966 that resolved the **Indo-Pakistani War of 1965**.
- The signatories were Lal Bahadur Shastri (Prime Minister of India) and Muhammad Ayub Khan (President of Pakistan).
- The parties agreed
 1. to withdraw all armed forces to positions held before August 5, 1965;
 2. to restore diplomatic relations; and
 3. to discuss economic, refugee, and other questions.

Question 41 :

At what percentage simple interest per annum a certain sum will double in 10 years? A. 7% B. 8% C. 9% D. 10%

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. B
2. A
3. D
4. C

Solution :

The correct answer is **Option 3** i.e. **D**

Let the amount = p

interest = 2p - p = p

time t = 10 years

r = rate of interest

interest = $p \times r \times t/100$

$p = p \times r \times 10/100$

r = 10

Question 42 :

Find the mean of the values: 1, 9, 7, 3, 5, 5, 6, 4, 2, 8 A. 3 B. 4 C. 5 D. 6

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

1. D
2. C
3. B
4. A

Solution :The correct answer is **Option 3** i.e. **c**

mean = sum of all that data/number of data

$$= (1 + 9 + 7 + 3 + 5 + 5 + 6 + 4 + 2 + 8)/10$$

$$= 5$$

Comprehension :

The following table represents the marks of four students in five subjects. Physics Chemistry Maths History Geography
Shyam 45 50 49 51 65 Sunil 60 55 60 59 61 Jagdish 35 41 39 30 45 Rajesh 50 55 51 57 62 Consider the information and answer questions based on it.

Question 43 :

The difference between the total marks scored by Sunil and Jagdish is: A. 190 B. 125 C. 105 D. 115

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

1. C
2. D
3. B
4. A

Solution :The correct answer is **Option 1** i.e. **C**

From the table,

the total marks scored by Sunil = $60 + 55 + 60 + 59 + 61 = 295$



the total marks scored by Jagdish = $35 + 41 + 39 + 30 + 45 = 190$

difference = $295 - 190 = 105$

Comprehension :

The following table represents the marks of four students in five subjects. Physics Chemistry Maths History Geography
Shyam 45 50 49 51 65 Sunil 60 55 60 59 61 Jagdish 35 41 39 30 45 Rajesh 50 55 51 57 62 Consider the information and answer questions based on it.

Question 44 :

Who has the highest marks in History and Geography put together? A. Shyam B. Sunil C. Jagdish D. Rajesh

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. C
2. B
3. A
4. D

Solution :

The correct answer is **Option 2** i.e. **B**

marks in History and Geography put together:

Shyam = $51 + 65 = 116$

Sunil = $59 + 61 = 120$

Jagdish = $30 + 45 = 75$

Rajesh = $57 + 62 = 119$

Comprehension :

The following table represents the marks of four students in five subjects. Physics Chemistry Maths History Geography
Shyam 45 50 49 51 65 Sunil 60 55 60 59 61 Jagdish 35 41 39 30 45 Rajesh 50 55 51 57 62 Consider the information and answer questions based on it.

Question 45 :

Who has the highest average marks? A. Shyam B. Sunil C. Jagdish D. Rajesh



Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. C
2. B
3. D
4. A

Solution :

The correct answer is **Option 2** i.e. **B**

Average mark:

$$\text{Shyam} = (45 + 50 + 49 + 51 + 61)/5 = 51.2$$

$$\text{Sunil} = (60 + 55 + 60 + 59 + 61)/5 = 59$$

$$\text{Jagdish} = (35 + 41 + 39 + 30 + 45)/5 = 38$$

$$\text{Rajesh} = (50 + 55 + 51 + 57 + 62)/5 = 55$$

Question 46 :

The ratio of two numbers is 3:1 and their sum is 72. Find the difference between the numbers? A. 24 B. 36 C. 32 D. 28

Difficulty : Moderate

Average Time : 37 Seconds

Options :

1. A
2. C
3. B
4. D

Solution :

The correct answer is **Option 3** i.e. **B**

The ratio of two numbers is 3:1

Let the numbers = $3x$ and x

$$\text{their sum} = 3x + x = 4x = 72 \quad x = 72/4 = 18$$



numbers = $3x = 54$ and $x = 18$

difference between the numbers = $54 - 18 = 36$

Question 47 :

The product of two numbers is 24 and the sum of their squares is 52. Find their sum? A. 5 B. 10 C. 15 D. 20

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. D
2. C
3. B
4. A

Solution :

The correct answer is **Option 3** i.e. **B**

Let the numbers = a and b

$$ab = 24$$

$$a^2 + b^2 = 52$$

$$(a + b)^2 = a^2 + b^2 + 2ab = 52 + 2 \times 24 = 100$$

$$(a + b) = 10$$

Question 48 :

The sum of the ages of 4 children born at the intervals of 4 years is 48. Find the age of the youngest child? A. 4 years B. 5 years C. 6 years D. 7 years

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. B
2. A
3. D
4. C

Solution :



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

Let the age of the youngest child = x

then age of all the 4 children = $x, x+4, x+8, x+12$

$$x + x + 4 + x + 8 + x + 12 = 48$$

$$4x + 24 = 48$$

$$x = 24/4 = 6$$

Question 49 :

If $\cot 52^\circ = b$, $\tan 38^\circ = ?$ A. b B. $b/2$ C. $-b$ D. b

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. C
2. D
3. B
4. A

Solution :

The correct answer is **Option 2** i.e. **D**

$$\cot \theta = \tan(90 - \theta)$$

$$\text{if } \theta = 52^\circ$$

$$\cot 52^\circ = \tan 38^\circ = b$$

Question 50 :

$99 \times 99 = ?$ A. 9791 B. 9801 C. 9881 D. 9901

Difficulty : Moderate

Average Time : 35 Seconds

Options :

1. A
2. D
3. B

**C****Solution :**

The correct answer is **Option 3** i.e. **B**

$$\begin{aligned}99 \times 99 &= 99^2 = (100 - 1)^2 \\ &= 100^2 + 1^2 - 2 \times 100 \times 1 \\ &= 10000 + 1 - 200 = 9801\end{aligned}$$

Question 51 :

An article was sold for Rs. 3600 at a discount of 10%. Find the selling price if the discount was 15%? A. 3600 B. 4000 C. 3800 D. 3400

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

1. A
2. D
3. C
4. B

Solution :

The correct answer is **Option 2** i.e. **D**

Let the cost price = x

discount = 10%

selling price = 3600

$$x(1 - 10/100) = 3600$$

$$x = 3600/0.9 = 4000$$

If the discount = 15%

$$\text{selling price} = 4000(1 - 15/100) = 4000 \times 0.85 = 3400$$

Question 52 :

If $a + 2b = 55$ and $a - 2b = -13$, find the value of b? A. 21 B. 14 C. 17 D. 19



Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. D
2. A
3. C
4. B

Solution :

The correct answer is **Option 3** i.e. **C**

$$a + 2b = 55 \dots\dots\dots(1)$$

$$a - 2b = -13 \dots\dots\dots(2)$$

add equation 1 and 2:

$$2a = 55 - 13 = 42$$

$$a = 21$$

$$\text{and } b = (55 - 21)/2 = 17$$

Question 53 :

What number should be deducted from 1265 to make it divisible by 29 exactly? A. 15 B. 16 C. 18 D. 17

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. A
2. C
3. D
4. B

Solution :

The correct answer is **Option 2** i.e. **C**

after dividing 1265 by 29, the remainder is 18



$$\begin{array}{r} 29 \overline{)1265} \quad (43 \\ \underline{116} \\ 105 \\ \underline{87} \\ 18 \end{array}$$

so, 18 should be deducted from 1265 to make it divisible by 29.

Question 54 :

The mean of 25 values was 40. But one value was written as 25 instead of 50. The corrected mean is: A. 39 B. 41 C. 40 D. 42

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. D
2. B
3. C
4. A

Solution :

The correct answer is **Option 2** i.e. **B**

The mean of 25 values was 40.

$$\text{total sum} = \text{mean value} \times \text{number of values} = 25 \times 40 = 1000$$

But one value was written as 25 instead of 50

$$\text{The corrected mean} = (1000 + 25)/25 = 41$$

Question 55 :

A trader bought a bag of 40 kg of basmati rice at Rs. 125 per kg and another bag of 60 kg at Rs. 150 per kg. He sold the entire stock at a profit of 20%. Find the selling price per kg? A. 152 B. 158 C. 168 D. 172

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. C
2. A



B

4. D

Solution :

The correct answer is **Option 1** i.e. **C**

A trader bought a bag of 40 kg of basmati rice at Rs. 125 per kg. and another bag of 60 kg at Rs. 150 per kg.

$$\text{total cost price} = 40 \times 125 + 60 \times 150 = 5000 + 9000 = 14000$$

$$\text{profit} = 20\%$$

$$\text{selling price} = 14000(1 + 20/100) = 14000 \times 1.2 = 16800$$

$$\text{total quantity of rice} = 60 + 40 = 100$$

$$\text{selling price per kg} = 16800/100 = 168$$

Question 56 :

$$9876 - ? + 5431 = 5553 \text{ A. } 9754 \text{ B. } 9765 \text{ C. } 8754 \text{ D. } 9854$$

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. A

2. C

3. B

4. D

Solution :

The correct answer is **Option 1** i.e. **A**

$$9876 - ? + 5431 = 5553$$

$$? = 9876 + 5431 - 5553 = 9754$$

Question 57 :

The HCF of two numbers is 6 and their LCM is 108. If one of the numbers is 12, then the other is: A. 27 B. 54 C. 48 D. 36

Difficulty : Moderate

Average Time : 36 Seconds

**Options :**

1. D
2. B
3. C
4. A

Solution :

The correct answer is **Option 2** i.e. **B**

HCF \times LCM = product of two numbers

$$6 \times 108 = 12 \times x$$

$$x = 6 \times 108 / 12 = 54$$

Question 58 :

The HCF of two numbers is 4 and the two other factors of LCM are 5 and 7. Find the smaller of the two numbers? A. 10 B. 14 C. 20 D. 28

Difficulty : Moderate**Average Time : 40 Seconds****Options :**

1. C
2. B
3. D
4. A

Solution :

The correct answer is **Option 1** i.e. **C**

The HCF of two numbers is 4 and the two other factors of LCM are 5 and 7.

Let the two numbers = x and y

$$x = 4 \times 5 = 20.$$

$$y = 4 \times 7 = 28$$

smaller number = 20

Question 59 :



E and F can do a work in 10 days. If E alone can do it in 30 days, F alone can do it in _____ days? A. 15 B. 20 C. 25 D. 18

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. A
2. C
3. D
4. B

Solution :

The correct answer is **Option 1** i.e. **A**

E and F can do a work in 10 days.

(E + F)'s 1-day work = $1/10$

E alone can do it in 30 days.

(E)'s 1-day work = $1/30$

hence, F's 1-day work = $1/10 - 1/30 = 2/30 = 1/15$

F alone can do the work in 15 days.

Question 60 :

$2\cos(\theta - \pi/2) + 3\sin(\theta + \pi/2) - (3\sin\theta + 2\cos\theta) = ?$ A. $\cos\theta - \sin\theta$ B. $\sin\theta - \cos\theta$ C. $\cos\theta + \sin\theta$ D. $\cot\theta - \tan\theta$

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. B
2. D
3. C
4. A

Solution :

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

$2\cos(\theta - \pi/2) + 3\sin(\theta + \pi/2) - (3\sin\theta + 2\cos\theta)$



$$= 2\sin\theta + 3\cos\theta - 3\sin\theta - 2\cos\theta \quad [\cos(\theta - \alpha/2) = \sin\theta, \sin(\theta + \alpha/2) = \cos\theta]$$
$$= \cos\theta - \sin\theta$$

Question 61 :

S can finish 50% of a work in a day. T can do 25% of the work in a day. Both of them together will finish the work in ____ days. A. 2.66 B. 2.33 C. 1.33 D. 1.67

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

1. A
2. C
3. D
4. B

Solution :

The correct answer is **Option 2** i.e. **C**

S can finish 50% of a work in a day.

$$\text{S's 1-day work} = 1/2$$

T can do 25% of the work in a day

$$\text{T's 1-day work} = 25/100 = 1/4$$

$$(\text{S} + \text{T})\text{'s 1-day work} = 1/2 + 1/4 = 3/4$$

Both of them together will finish the work in $4/3 = 1.33$ days.

Question 62 :

Find the fourth proportional to 3.6, 6.9, and 11.4? A. 20.3 B. 18.9 C. 19.6 D. 21.9

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

1. B
2. A
3. D

**C****Solution :**

The correct answer is **Option 3** i.e. **D**

Let the fourth proportional to 3.6, 6.9, and 11.4 = x

$$3.6 \times x = 6.9 \times 11.4$$

$$x = 6.9 \times 11.4 / 3.6 = 21.85 = \text{closely } 21.9$$

Question 63 :

82, 70, 76, 64, 70, 58, ? A. 52 B. 76 C. 64 D. 48

Difficulty : Moderate**Average Time : 35 Seconds****Options :**

1. B
2. C
3. D
4. A

Solution :

The correct answer is **Option 2** i.e. **C**

82, 70, 76, 64, 70, 58, ?

The given series is consisting of two different series.

$$82, 76, 70, ? = \text{difference of } 6 \quad ? = 70 - 6 = 64$$

$$70, 64, 58 = \text{difference of } 8$$

Question 64 :

Car X and Y start at the same time at speeds of 12 kmph and 16 kmph. Find the distance between them after 3 minutes?

A. 200 m B. 150 m C. 180 m D. 120m

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



- B
- 2. C
- 3. A
- 4. D

Solution :

The correct answer is **Option 3** i.e. **A**

Car X and Y start at the same time at speeds of 12kmph and 16 kmph.

speed of X = 12 kmph = $(12000/60)$ meter per minute = 200 meter per minute

in 3 minutes X covers distance = $200 \times 3 = 600$ meter

speed of Y = 16 kmph = $(16000/60)$ meters per minute

In 3 minutes Y covers distance = $(16000 \times 3/60) = 800$ meter

Distance between them after 3 minutes = $800 - 600 = 200$ meter

Question 65 :

If the length (L cm) and breadth (B cm) of a rectangle are increased by 25%, find the difference between the areas of the old and new rectangles? A. $3LB/2$ sq.cm B. $24LB/9$ sq.cm C. $9LB/16$ sq.cm D. $16LB/9$ sq.cm

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

- 1. D
- 2. A
- 3. C
- 4. B

Solution :

The correct answer is **Option 3** i.e. **C**

If the length (L cm) and breadth (B cm) of a rectangle are increased by 25%:

new length = $L + L \times (25/100) = L + L/4 = 5L/4$

new breadth = $B + B/4 = 5B/4$



$$\text{Old area} = LB \text{ cm}^2$$

$$\text{new area} = 25LB/16 \text{ cm}^2$$

$$\text{difference} = (25LB/16) - LB = 9LB/16 \text{ cm}^2$$

Question 66 :

The average age of parents and two children are 30 years and 8 years respectively. The average of the family is: A. 16 years B. 19 years C. 18 years D. 17 years

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

1. A
2. B
3. D
4. C

Solution :

The correct answer is **Option 2** i.e. **B**

The average age of parents and two children are 30 years and 8 years respectively. The average of the family is = $(30 + 8)/2 = 19$ years

Question 67 :

A student scored 470 marks in 6 subjects. The maximum marks for each subject was 100. What was his score in percentage terms? A. 67.33% B. 69.45% C. 78.33% D. 78.67%

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

1. C
2. A
3. B
4. D

Solution :

The correct answer is **Option 1** i.e. **C**



Total maximum mark for 6 subjects = $6 \times 100 = 600$

student scored = 470

required percentage = $(470/600) \times 100 = 78.33\%$

Question 68 :

An article was sold for Rs. 26000 at a discount of 35%. Find the selling price if the discount was 15%? A. 36000 B. 40000 C. 38000 D. 34000

Difficulty : Moderate

Average Time : 38 Seconds

Options :

1. B
2. A
3. D
4. C

Solution :

The correct answer is **Option 3** i.e. **D**

An article was sold for Rs. 26000 at a discount of 35%.

Cost price = selling price / $(1 - 0.35) = 26000 \times 100/65 = 40000$

if the discount was 15%,

selling price = $40000 - 40000 \times 15/100 = 40000 - 6000 = 34000$

Question 69 :

If the mathematical operator ' \div ' means ' \times ', ' $+$ ' means ' $-$ ', ' \times ' means ' $+$ ', and ' $-$ ' means ' \div ', then $25 + 18 - 3 \times 7 \div 3 = ?$ A. 25 B. 21 C. 19 D. 40

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. B
2. A
3. D
4. C

**Solution :**

The correct answer is **Option 3** i.e. **D**

$$25 + 18 - 3 \times 7 \div 3$$

After changing the signs according to the question:

$$25 - 18 \div 3 + 7 \times 3$$

$$= 25 - 6 + 21$$

$$= 40$$

Question 70 :

A man covers 1 km in 10 minutes. What is his speed in kmph? A. 6 B. 7 C. 10 D. 8

Difficulty : Moderate

Average Time : 38 Seconds

Options :

1. C

2. D

3. A

4. B

Solution :

The correct answer is **Option 3** i.e. **A**

A man covers 1 km in 10 minutes.

$$\text{in 1 minute} = (1/10) \text{ km}$$

$$\text{in 60 minute} = (1/10) \times 60 = 6 \text{ km}$$

so speed = 6 kmph

Question 71 :

A man deposits Rs. 500 at the beginning of each year for 2 years at 10% p.a. compounded annually. Find the maturity value at the end of the 2nd year? A. 1050 B. 1150 C. 1155 D. 1200

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. A



D

3. C

4. B

Solution :

The correct answer is **Option 3** i.e. **C**

Principal amount = 500

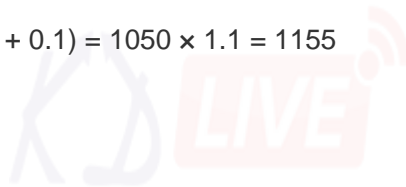
rate = 10% compounded annually

total amount after one years = $500(1 + 0.1)^1 = 500 \times 1.1 = 500 \times 1.1 = 550$

again deposit Rs. 500 at the beginning of 2nd year.

total amount before 2nd year = $550 + 500 = 1050$

maturity amount after 2 years = $1050(1 + 0.1) = 1050 \times 1.1 = 1155$

**Question 72 :**

If the arithmetic mean of 10 numbers is 35 and each number is increased by 2, find the mean of the new set of numbers?

A. 28 B. 34 C. 40 D. 37

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. C

2. A

3. B

4. D

Solution :

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



If the arithmetic mean of 10 numbers is 35 and each number is increased by 2, then the mean of the new set of numbers = $35 + 2 = 37$

[If every number increase by a certain amount then the mean also increased by that amount]

Question 73 :

Replace # sign with the mathematical operators '+', '÷', and '-', and '=' to get a balanced equation out of $(27 \# 15 \# 2) \# 10 \# 4$. Choose the right sequence from below. A. $+ \div = -$ B. $- + = \div$ C. $+ - \div =$ D. $+ = \div -$

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

1. B
2. A
3. C
4. D

Solution :

The correct answer is **Option 3** i.e. **C**

$(27 \# 15 \# 2) \# 10 \# 4$

Option 1 : $+ \div = -$

$(27 \# 15 \# 2) \# 10 \# 4$

$(27 + 15 \div 2) = 10 - 4$

$(27 + 7.5) = 6$ not correct

Option 2 : $- + = \div$

$(27 \# 15 \# 2) \# 10 \# 4$

$(27 - 15 + 2) = 10 \div 4$

$27 - 7.5 = 2.5$ not correct

Option 3 : $+ - \div =$

$(27 \# 15 \# 2) \# 10 \# 4$

$(27 + 15 - 2) \div 10 = 4$ correct

**Question 74 :**

The difference between the length and breadth of a rectangle is 6 cm. If its perimeter is 64 m, then its area is: A. 256 sq.m
B. 247 sq.m C. 264 sq.m D. 238 sq.m

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

1. A
2. B
3. D
4. C

Solution :

The correct answer is **Option 2** i.e. **B**

The difference between the length(L) and breadth(B) of a rectangle is 6 cm.

$$L - B = 6 \dots\dots(1)$$

its perimeter is 64 m

$$2(L + B) = 64$$

$$L + B = 32 \dots\dots(2)$$

Equation 1 + equation 2:

$$2L = 38$$

$$L = 19$$

and B = 13

$$L \times B = 19 \times 13 = 247 \text{ sq.m}$$

Question 75 :

The price of 12 kg of sugar is equal to that of 6 kg of rice. The price of 10 kg of sugar and 8 kg of rice Rs. 1040. Find the price of 1 kg of sugar. A. 80 B. 70 C. 60 D. 40

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



A

2. C

3. D

4. B

Solution :

The correct answer is **Option 3** i.e. **D**

Let the price of Rice of 1kg = x

and the price of Sugar 1kg = y

The price of 12 kg of sugar is equal to that of 6 kg of rice.

$$12y = 6x$$

$$6x = 12y$$

$$x = 2y$$

The price of 10 kg of sugar and 8 kg of rice Rs. 1040.

$$10y + 8x = 1040$$

$$5y + 4x = 520$$

$$5y + 4(2y) = 520$$

$$13y = 520$$

$$y = 40$$

and x = 80

Comprehension :

Consider the following information and answer the questions based on it. In a group of 75 students, 12 like only cabbage, 15 like only cauliflower, 21 like only carrot, 12 like both carrot and cabbage, 13 like only capsicum, and 2 like both capsicum and cauliflower.

Question 76 :

How many students like only vegetables? A. 60 B. 61 C. 65 D. 71

Difficulty : Moderate

Average Time : 67 Seconds

**Options :**

1. C
2. A
3. D
4. B

Solution :

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

12 like only cabbage, 15 like only cauliflower, 21 like only carrot, 13 like only capsicum.

number of students like only vegetables = $12 + 15 + 21 + 13 = 61$

Comprehension :

Consider the following information and answer the questions based on it. In a group of 75 students, 12 like only cabbage, 15 like only cauliflower, 21 like only carrot, 12 like both carrot and cabbage, 13 like only capsicum, and 2 like both capsicum and cauliflower.

Question 77 :

What is the percentage of students that do not like cabbage? A. 16 B. 32 C. 24 D. 68

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. C
2. D
3. B
4. A

Solution :

The correct answer is **Option 2** i.e. **D**

In a group of 75 students, 12 like only cabbage, 12 like both carrot and cabbage.

number of students who like cabbage = $12 + 12 = 24$

so, number of students who do not like cabbage = $75 - 24 = 51$

required percentage = $(51/75) \times 100 = 68\%$

Comprehension :



Consider the following information and answer the questions based on it. In a group of 75 students, 12 like only cabbage, 15 like only cauliflower, 21 like only carrot, 12 like both carrot and cabbage, 13 like only capsicum, and 2 like both capsicum and cauliflower.

Question 78 :

The difference between the people who like carrot and cauliflower is: A. 6 B. 18 C. 16 D. 4

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

1. D
2. A
3. B
4. C

Solution :

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

total number of students who like carrot = $21 + 12 = 33$

total number of students who like cauliflower = $15 + 2 = 17$

required difference = $33 - 17 = 16$

Question 79 :

If the mathematical operator ' \div ' means ' \times ', ' $+$ ' means ' $-$ ', ' \times ' means ' $+$ ' and ' $-$ ' means ' \div ', then $25 + 18 - 3 \times 7 \div 3 = ?$

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

1. 25
2. 21
3. 19
4. 40

Solution :

The correct answer is **option 4** i.e. **40**

| | |
|---------------|-------------|
| Understanding | Application |
|---------------|-------------|

The equation is $25 + 18 - 3$
 $\times 7 \div 3 = ?$

It is given that ' \div ' means
' \times ', ' \times ' means ' \div ', ' \times ' means
' \div ' and ' $-$ ' means ' \div '.

So, after changing the
sign,

$$25 - 18 \div 3 + 7 \times 3 = ?$$

$$25 - 6 + 7 \times 3 = ?$$

$$25 - 6 + 21 = ?$$

$$19 + 21 = 40$$

Hence, the
correct answer is
option 4.

Question 80 :

Replace # sign with the mathematical operators '+', ' \div ' and '-' and '=' to get a balanced equation out of $(27 \# 15 \# 2) \# 10 \#$
4. choose the right sequence from below.

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

1. $+ \div =$

2. $+ = \div$

3. $+ \div =$

4. $+ = \div$

Solution :

The correct answer is **Option 3** i.e. $+ \div =$.

Understanding



The given equation is: $(27 \# 15 \# 2) \# 10 \# 4$

Let's check each option,

1) $+ \div =$

$(27 + 15 \div 2) = 10 \cdot 4$

$(27 + 7.5) \cdot 6$

2) $+ = \div$

$(27 \cdot 15 + 2) = 10 \div 4$

$(14 \cdot 2.5)$

3) $+ \div =$

$(27 + 15 \cdot 2) \div 10 = 4$

$(40/10 = 4)$

4) $+ = \div$

$(27 + 15 = 2) \div 10 \cdot 4$

$(42 \cdot 2 \div 10 \cdot 4)$

Hence, by replacing # sign with the mathematical operators by $+ \div =$, the equation will be correct.

Question 81 :

If 'health care is wealth' is written as 1372, 'health needs care' is 417, 'he needs wealth' is 463, then 'he is wealth' is _____.

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. 326
2. 764
3. 624
4. 246

Solution :

The correct answer is **option 1** i.e. **326**

| Understanding | Application |
|--|---|
| 'health care is wealth' is written as 1372 -----(A) | |
| 'health needs care' is 417 -----(B) | |
| 'he needs wealth' is 463 -----(C) | |
| Here, <u>health care</u> is common in (A) and (B) = 17 | So, <u>is</u> = 2, so he = 6. |
| <u>need</u> is common in (B) and (C) = 4 | Hence, <u>he is wealth</u> = 326 |
| <u>wealth</u> is common in (A) and (C) = 3 | |

Question 82 :

Find a pair similar to 'Arrow: Bow' from the following.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Football: Hand
2. Salad: Knife
3. Bullet: Rifle
4. Smoke: Water

Solution :

The correct answer is **Option 3** i.e. **Bullet: Rifle**.

Understanding

In 'Arrow: Bow'

Arrow is inside the Bow.

In 'Bullet: Rifle'

Similarly, **Bullet is inside the Rifle.**

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

Question 83 :

82, 70, 76. 64, 70, 58, ?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 52

2. 76

3. 64

4. 48

Solution :

The correct answer is **option 3** i.e. **64**

Understanding

The given series is **82, 70, 76, 64, 70, 58, ?**

Here, the pattern followed is,

$$82 - 12 = 70$$

$$70 + 6 = 76$$

$$76 - 12 = 64$$

$$64 + 6 = 70$$

$$70 - 12 = 58$$

$$58 + 6 = 64$$

Here, the pattern is -12, +6, -12, and +6, and so on.

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

Question 84 :

If ARC is written as \$@* and HIT is #&% then CHAIR is written as?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. #*&\$@
2. #*\$&%
3. *#\$&@
4. *#\$&%

Solution :

The correct answer is **option 3** i.e. *#\$&@

Understanding

Application

| | |
|---|---|
| If ARC is written as \$@* and HIT is #&%. Then, A = \$, R = @, C = * and, H = #, I = &, T = %. | So, CHAIR is written as *#\$&@. Hence, the correct answer is option 3. |
|---|---|

Comprehension :

Consider the following information and answer the question based on it. P, Q, R, S are four friends who pursue teaching, law, banking, cooking, and own red, blue, white, and yellow house, in random order. An individual owns only one house and pursues only one profession. P owns a red house and is not a banker. The owner of a blue house is a lawyer. The color of S's house is neither yellow nor white. R is a teacher.

Question 85 :

White house is owned by _____.

Difficulty : Moderate**Average Time : 74 Seconds****Options :**

1. Q
2. R
3. S
4. Cannot be determined.

Solution :

The correct answer is **Option 4** i.e. **Cannot be determined**.

- Person - P, Q, R, S
- Work - Teaching, Law, Banking, Cooking
- House - Red, Blue, White, and Yellow

| Person | House | Work |
|--------|-------|-------|
| P | Red | Cook |
| S | Blue | Lawer |

| | | |
|---|--------------|---------|
| R | White/Yellow | Teacher |
| Q | Yellow/White | Banker |

Hence, from the above table, we **cannot be determined** that the White House is owned by whom.

Comprehension :

Consider the following information and answer the question based on it. P, Q, R, S are four friends who pursue teaching, law, banking, cooking, and own red, blue, white, and yellow house, in random order. An individual owns only one house and pursues only one profession. P owns a red house and is not a banker. The owner of a blue house is a lawyer. The color of S's house is neither yellow nor white. R is a teacher.

Question 86 :

Q is a _____.

Difficulty : Moderate

Average Time : 86 Seconds

Options :

1. Lawyer
2. Banker
3. Cook
4. Teacher

Solution :

The correct answer is **Option 2** i.e. **Banker**.

- Person - P, Q, R, S
- Work - Teaching, Law, Banking, Cooking
- House - Red, Blue, White, and Yellow

| Person | House | Work |
|--------|--------------|---------|
| P | Red | Cook |
| S | Blue | Lawer |
| R | White/Yellow | Teacher |
| Q | Yellow/White | Banker |

Hence, Q is a **Banker**.

Comprehension :

Consider the following information and answer the question based on it. P, Q, R, S are four friends who pursue teaching, law, banking, cooking, and own red, blue, white, and yellow house, in random order. An individual owns only one house and pursues only one profession. P owns a red house and is not a banker. The owner of a blue house is a lawyer. The color of S's house is neither yellow nor white. R is a teacher.

Question 87 :

The owner of the blue house is _____.

Difficulty : Moderate

Average Time : 82 Seconds

Options :

1. S
2. R
3. Q
4. Cannot be determined.

Solution :

The correct answer is **Option 1** i.e. **S**.

- Person - P, Q, R, S
- Work - Teaching, Law, Banking, Cooking
- House - Red, Blue, White, and Yellow

| Person | House | Work |
|--------|--------------|---------|
| P | Red | Cook |
| S | Blue | Lawer |
| R | White/Yellow | Teacher |
| Q | Yellow/White | Banker |

Hence, from the above table, the owner of the blue house is **S**.

Question 88 :

The statement followed by some conclusions is given below. Statement: God has distributed time equally to mankind but not money. But God has compensated by giving commonsense. Conclusions: I. God has not done justice to mankind in

distributing money. II. One has to use commonsense to manage money wisely. Find which of the given conclusions logically follows from the given statements.

Difficulty : Moderate

Average Time : 90 Seconds

Options :

1. Only conclusion I follows.
2. Only conclusion II follows.
3. Both I and II follow.
4. Neither I nor II follows.

Solution :

The correct answer is **Option 2** i.e. **Only conclusion II follows.**

| Understanding | Application |
|--|--|
| <p>Statement:</p> <ol style="list-style-type: none">1. God has distributed time equally to mankind but not money.2. But God has compensated by giving commonsense <p>Conclusions:</p> <p>I. God has not done justice to mankind in distributing money = Does not follows.</p> <p>II. One has to use commonsense to manage money wisely = follows.</p> | <p>Hence, the correct answer is the Only conclusion II follows.</p> |

Question 89 :

Select the alternative that has a different relationship as the given pair- Inside : Outside

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. Day : Night
2. Sun : Star
3. Light : Dark
4. White : Black

Solution :

The correct answer is **option 2** i.e. **Sun: Star**.

Understanding

As Inside: Outside is antonyms of each other.
In the same way, all are the antonyms of each other except Sun: Star.

Hence, the **Sun : Star** is the correct answer.

Question 90 :

Rearrange the jumbled letters to make meaningful words and then select the one which is different.

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. DOGL
2. TSEVO
3. ENZROB
4. LVREIS

Solution :

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

Understanding

Application

| | |
|---|---|
| After rearranging the jumbled letters, DOGL = GOLD ENZROB = BRONZE LVREIS = SILVER | Here, all are metal except TSEVO. Hence, TSEVO is the one which is different. |
|---|---|

Question 91 :

If $a + 2b = 55$ and $a - 2b = -13$, find the value of b .

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 21
2. 14
3. 17
4. 19

Solution :

The correct answer is **Option 3** i.e. **17**.

Understanding



$$a + 2b = 55 \text{ ----(A)}$$

$$a - 2b = -13 \text{ -----(B)}$$

Solving both the equations

$$a + 2b = 55$$

$$a = 55 - 2b \text{ -----(A)}$$

Put (A) in (B)

$$a - 2b = -13$$

$$55 - 2b - 2b = -13$$

$$b = 17$$

Hence, the value of b is **17**.

Question 92 :

Read the given statements carefully and answer the question. Knowledge and wisdom go hand in hand. The deeper the knowledge, the greater is the wisdom. Knowledge is awareness. Wisdom is required to tackle complications. Which of the following is true according to the given statement?

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

1. Knowledge and wisdom are synonymous.
2. Knowledge and wisdom are entirely different.
3. Knowledge and wisdom are complementary to each other.
4. Wisdom can supplant knowledge.

Solution :

The correct answer is **Option 3** i.e. **Knowledge and wisdom are complementary to each other.**

Understanding

Given statement:

Knowledge and wisdom go hand in hand. The deeper the knowledge, the greater is the wisdom. Knowledge is awareness. Wisdom is required to tackle complications.

Knowledge and wisdom are complementary to each other are true according to the given statement.

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

Question 93 :

E is the daughter of P who is the husband of the only daughter-in-law of K. How is E related to K?

Difficulty : Moderate

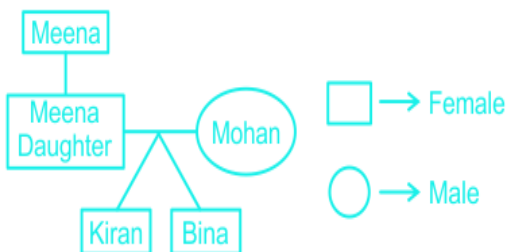
Average Time : 63 Seconds

Options :

1. Daughter
2. Granddaughter
3. Grandmother
4. Mother

Solution :

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



From the given figure we can see that E is the Granddaughter of K.

Question 94 :

If 'code' = 6241, 'made' = 5346, 'come' = 3124' and 'to' = 27 then 'dome' = ?

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. 6134
2. 5214
3. 6124
4. 6234

Solution :

The correct answer is **option 4** i.e. **6234**

Understanding

'code' = 6241----(A)

'made' = 5346----(B)

'come' = 3124-----(C)

'to' = 27------(D)

Here we see that, O is common in A, C and, D
= 2

C is common in A, and C = 1

M is common in B and, C = 3

D is common in A and, B = 6

E is common in A, B and, D = 4

So, **dome = 6234**

Question 95 :

Bina is the daughter of Mohan who is the only son-in-law of Meena. Meena has only one child. Kiran is the granddaughter of Meena. How is Kiran related to Bina?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

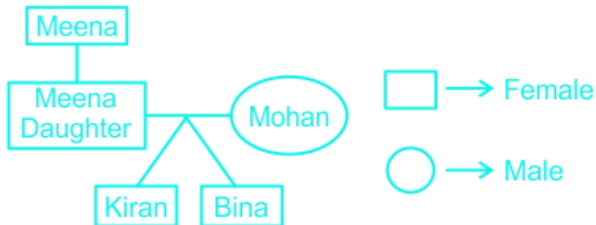
Sister

2. Daughter
3. Maternal aunt
4. Mother

Solution :

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

Understanding



From the given figure, we can see that Kiran is the **sister** of Bina.

Question 96 :

CBDA, GFHE, KJLI, ?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. NOPM
2. MNOP
3. PMNO
4. ONPM

Solution :

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

Understanding

The series is CBDA, GFHE, KJLI, ?

| | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| A | B | C | D | E | F | G | H | I | J | K | L | M |
| Z | Y | X | W | V | U | T | S | R | Q | P | O | N |
| 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 |

Here, the pattern is,

$$C + 4 = G + 4 = K + 4 = O$$

$$B + 4 = F + 4 = J + 4 = N$$

$$D + 4 = H + 4 = L + 4 = P$$

$$A + 4 = E + 4 = I + 4 = M$$

Hence, the next term in series is **ONPM**

Question 97 :

Contemporary: Historic :: _____ : Ancient

Difficulty : Moderate

Average Time : 116 Seconds

Options :

1. Past
2. Classic
3. Modern
4. Future

Solution :

The correct answer is **Option 3** i.e. **Modern**.

Understanding



In Contemporary: Historic, both are opposite of each other.

Similarly, **Ancient** is the opposite of **Modern**.

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

Question 98 :

Read the given statements carefully and answer the question. Statement: A leading tennis star faced media after failing a dope test said, "I don't want to end my career this way. I hope I will be given another chance to play this game. I let the sport down." Which of the following is true according to the given statement?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. He was challenging the outcome of the dope test.
2. He was confident that he was right and would continue to play.
3. He had admitted to testing positive in dope test.
4. The sport let him down.

Solution :

The correct answer is **Option 3** i.e. **He had admitted to testing positive in a dope test**.

Understanding

From the statement, "I don't want to end my career this way. I hope I will be given another chance to play this game. I let the sport down."

According to the given statement is true that he had admitted to testing positive in a dope test.

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

Question 99 :

A statement followed by some conclusions is given below. Statement: Based on his performance, Rajesh got a poor rating in his office. Conclusions: I. Rajesh did not perform well. II. The rating given to Rajesh was not up to the mark. Find which of the given conclusions logically follow from the given statement

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. Only conclusion I follows.
2. Only conclusion II follows.
3. Both I and II follow.
4. Neither I nor II follows.

Solution :

The correct answer is **Option 3** i.e. **Both I and II follow**.

| Understanding | Application |
|--|--|
| <p>Statement: Based on his performance, Rajesh got a poor rating in his office.</p> <p>Conclusions:</p> <p>I. Rajesh did not perform well that why he got a poor rating.</p> <p>II. The rating given to Rajesh was not up to the mark just because of his performance.</p> | <p>Hence, both I and II follow is the correct answer.</p> |

Question 100 :

A statement followed by some conclusions is given below. Statement: After landing on the moon, Neil Armstrong said "One small step for a man, a giant leap for mankind." Conclusions: I. Neil Armstrong calls himself as mankind. II. Neil Armstrong only echoed the feeling of achievement by mankind. Find which of the given conclusions logically follow from the given statement.



Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. Only conclusion I follows.
2. Only conclusion II follows.
3. Both I and II follow.
4. Neither I nor II follows.

Solution :

The correct answer is **Option 2** i.e. **Only conclusion II follows.**

Understanding

Statement: After landing on the moon, Neil Armstrong said "One small step for a man, a giant leap for mankind."

Conclusions:

- I. Neil Armstrong calls himself as mankind = **Not follow.** (no, he set the example for mankind)
- II. Neil Armstrong only echoed the feeling of achievement by mankind = **Follow.**

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

Rrb Ntpc CBT - 1 Previous Year Question Paper Analysis

The analysis of Rrb Ntpc CBT - 1 Previous Year Question Paper held on 2016-04-05 in the Morning exam is as follows:

1. 100 questions were moderate.
2. The safe score is 68 marks.
3. 100 questions were asked from CBT -1 and 100 questions were asked from CBT -1
4. 1 questions should have been skipped if you were short of time.

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1. GK - 1

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1. Try to solve Rrb Ntpc CBT - 1 Previous Year Question Paper without taking any help from the solutions.
2. Rrb Ntpc CBT - 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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