Ssc Cgl Tier I Previous Year Question Paper Overview

Here, you can solve all the questions asked in Ssc Cgl Tier I Previous Year Question Paper on 2019-06-06 in the Afternoon exam. The detailed solutions are also provided for every previous year question and some of these questions can be asked again in your Ssc Cgl Tier I exam. There are 100 questions in the exam and 60 minutes are provided for the Ssc Cgl Tier I exam. The Cutoff of the exam was 140 marks hence you should try to score at least 150 marks.

Ssc Cgl Tier I Previous Year Question Paper : Questions and Solutions

Question 1 :

_____ created history in its second Twenty-20 International against Ireland by achieving the highest-ever T20 total at the Rajiv Gandhi International Cricket Stadium in Dehradun, Uttarakhand.

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

Options :

1. India

2. Afghanistan

3. Pakistan

4. Australia

Solution :

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

- Afghanistan created history in its second Twenty20 International against Ireland by achieving the highest-ever T20 total at the Rajiv Gandhi International Cricket Stadium in Dehradun, Uttarakhand.
- Afghanistan scored 278 for the loss of three wickets in the 20 overs and registered the highest-ever total in T20s.
- The previous record was claimed by Australia, Australia had scored 263/3 back in 2016 against Sri Lanka.

Question 2 :

Majuli, the largest river island in the world is located in _____.

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

Options :

1. Uttar Pradesh

2. Assam

3. Nagaland

4. Arunachal Pradesh

Solution :

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

What is Majuli island?	- MÄ•juli or Majoli is a river island in the Brahmaputra River, Assam and in 2016 it became the first island to be made a district in India. - Majuli is currently listed as the world's largest river island in the Guinness Book of World Records. - It is also the first island in India to be declared as district. - MÄ•juli Island is accessible by ferries from the city of Jorhat.
Assam Capital:-	Dispur

Question 3 :

_____ is a scientific discipline concerned with the study of plant pollen, spores, and certain microscopic planktonic organisms, in both, living and fossil form.

Difficulty : Moderate   **Average Time : 70 Seconds**

Options :

1. Dendrology

2. Ethnobotany

3. Palynology

4. Paleobotany

Solution :

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

What is Palynology?	Palynology is a scientific discipline concerned with the study of plant pollen, spores, and certain microscopic planktonic organisms, in both living and fossil form.
What is Paleobotany?	Paleobotany, also spelled as palaeobotany, is the branch of botany dealing with the recovery and identification of plant remains from geological contexts.
What is Ethnobotany?	Ethnobotany is the study of a region's plants and their practical uses through the traditional knowledge of a local culture and people.
What is Dendrology?	Dendrology or xylology is the science and study of wooded plants, specifically, their taxonomic classifications.

Question 4 :

_____ was observed nationwide from 24th to 30th April, 2019.

Difficulty : Moderate   **Average Time : 75 Seconds**

Options :

1. World Environment Week

2. World Postal Week

3. World Tourism Week

4. World Immunization Week

Solution :

The correct answer is option 4, i.e**. World Immunization Week.**

_____ was observed nationwide from 24th to 30th April, 2019.	**World Immunization Week**

What is World Immunization Week?	- Celebrated in the last week of April, World Immunization Week aims to promote the use of vaccines to protect people of all ages against disease. - The theme of this year's campaign is **Protected Together: Vaccines Work!,** and the campaign will celebrate Vaccine Heroes from around the world. - It is organised with an aim to aware people against vaccine preventable diseases. - In india Mission Indradhanush is being run by government to achieve highest efficiency in Immunization in country.

Question 5 :

Which of the following passes is known as the gateway connecting Jammu and Srinagar?

Difficulty : Moderate   **Average Time : 140 Seconds**

Options :

1. Lanak-La Pass

2. Chang-La Pass

3. Banihal Pass

4. Aghil Pass

Solution :

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

What is Banihal Pass?	- Banihal Pass is a mountain pass across the Pir Panjal Range at a maximum elevation of 2,832 m (9,291 ft). - The road from Jammu to Srinagar transversed Banihal Pass until 1956 when the Jawahar Tunnel was constructed under the pass.

Other Passes :-

Lanak La Pass- The Lanak La or Lanak Pass is a mountain pass in Tibet.

Chang-La Pass- situated in Ladhak, J&K.

Aghil Pass- situated in Karakoram range.

Question 6 :
The invasion of Delhi by Timur in _____ A.D marked the end of the Tughlaq empire.

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

Options :
1. 1452
2. 1645
3. 1215
4. 1398

Solution :
The correct answer is **option 4** i.e. **1398.**

- Timur invaded India in 1398 fighting the Battle of Delhi, marking the end of the Tughlaq empire.
- Sultan Mahmud Shah, the last Sultan of the Tughlaq dynasty, and his Vazir fled from Delhi. Timur ordered the massacre and looted the capital for 15 continuous days.
- According to Sharaf-ud-Din and Mir Khud, about one lakh people were put to death in Delhi by Timur.

Question 7 :
In March 2019, India won five silver medals at the Makran Cup Boxing Tournament in Iran. Who among the following is NOT one of the silver medallist?

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

Options :
1. Duryodhan Singh Negi
2. Deepak Singh
3. Manish Kaushik

P Lalitha Prasad

Solution :

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

Who is Deepak Singh?	• National champion Deepak Singh (49kg) was the lone Indian boxer who won gold while five others claimed silver medals in the Makran Cup in Chabahar, Iran. • Deepak defeated Jaafar Naseri in the finals
Silver medallists at Makran Cup boxing:	P Lalitha Prasad (52kg), Commonwealth Games silver-medallist Manish Kaushik (60kg), Duryodhan Singh Negi (69kg), Sanjeet (91kg) and Commonwealth Games silver-medallist Satish Kumar (91kg).

Question 8 :

In March 2019, India won five silver medals at the Makran Cup Boxing Tournament in Iran. Who among the following is NOT one of the silver medallist?

Difficulty : Moderate

Average Time : 120 Seconds

Options :

1. Duryodhan Singh Negi

2. Deepak Singh

3. Manish Kaushik

4. P Lalitha Prasad

Solution :

The correct answer is option 2, i.e. **Deepak Singh.**

In March 2019, India won five silver medals at the Makran Cup Boxing Tournament in Iran. Who among the following is NOT one of the silver medallists?	**Deepak Singh**

Who is Deepak Singh?	• National champion Deepak Singh (49kg) was the lone Indian boxer who won gold while five others claimed silver medals in the Makran Cup in Chabahar, Iran. • Deepak defeated Jaafar Naseri in the finals
Silver medallists at Makran Cup boxing:	P Lalitha Prasad (52kg), Commonwealth Games silver-medallist Manish Kaushik (60kg), Duryodhan Singh Negi (69kg), Sanjeet (91kg) and Commonwealth Games silver-medallist Satish Kumar (91kg).

Question 9 :

Poush Mela showcases local artisans presenting folk dances, music, food, and culture from which state?

Difficulty : Moderate   **Average Time : 147 Seconds**

Options :

1. Uttar Pradesh

2. Maharashtra

3. West Bengal

4. Rajasthan

Solution :

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

Poush Mela displays local artisans displaying folk dances, music, food, and culture of _____.	West Bengal

What is Poush Mela?	• Shantiniketan's Poush Mela is one of the popular cultural fairs in West Bengal. • This fair provides a window to the rural heritage and folk culture of Bengal. • Poush Mela is a famous stage for Baul singers who are identified with their unique musical instrument Ektara. • Graffiti, Handicrafts, Local cultural competitions, etc are major sites of attraction in mela.
West Bengal CM:-	Mamata Banerjee
West Bengal Capital:-	Kolkata

Question 10 :

In March 2019, the government of India appointed _____as the director-general of the National Archives of India.

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. V K Paul

2. Kamlesh Vyas

3. P V Ramesh

4. Binay Sen

Solution :

The correct answer is option 3, i.e. **P V Ramesh.**

In March 2019, the government of India appointed _____as the director-general of the National Archives of India.	**P V Ramesh**

Who is P V Ramesh?	• P V Ramesh, a 1985 batch officer, worked as the Chairman and Managing Director of the Rural Electrification Corporation Ltd.
What is National Archives of India?	• National Archives of India was established on 11 March 1891 at Calcutta (Kolkata) as the Imperial Records Department. • National Archives of India is the custodian of the records of enduring value. • **Headquarters:** New Delhi

Question 11 :

Rust needs three components to occur i.e. _____.

Difficulty : Moderate   **Average Time : 152 Seconds**

Options :

1. Iron, nitrogen and moisture

2. Iron, oxygen and moisture

3. Helium, hydrogen and nitrogen

4. Steel, iron and oxygen

Solution :

The correct answer is **option 2** i.e. **Iron, oxygen and moisture**.

Rust needs three components to occur i.e. _____	Iron, oxygen and moisture
Rust:	• Rust is an iron oxide, a usually red oxide formed by the redox reaction of iron and oxygen in the presence of water or air moisture.

Question 12 :

Who founded the Sayyid dynasty?

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

Options :

1. Khizr Khan
2. Nizam Shah
3. Bahlol Khan
4. Muhammad-bin-Farid

Solution :

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

Who founded the Sayyid dynasty?	Khizr Khan
Who was Khizr Khan?	- Sayyid Khizr Khan ibn Malik Sulaiman (reigned 28 May 1414 – 20 May 1421) was the founder of the Sayyid dynasty. - Sayyid Dynasty ruled delhi from 1414 to 1451. - It was replaced by Lodhis.

Question 13 :

_____ is the branch of zoology concerned with the study of amphibians.

Difficulty : Moderate   **Average Time : 77 Seconds**

Options :

1. Morphology
2. Herpetology
3. Mammology
4. Ethology

Solution :

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

_____ is the branch of zoology concerned with the study of amphibians.	Herpetology

What is Herpetology?	Herpetology is the branch of zoology concerned with the study of amphibians and reptiles.
What is Ethology?	It is the science of animal behaviour.
What is Mammology?	It is Speacialised science that deals with the study of mammals.
What is Morphology?	It is The study of forms of things.

Question 14 :

Government of India nominated member of NITI Aayog, _____ to head the Food and Agriculture Organisation (FAO) in March 2019.

Difficulty : Moderate   **Average Time : 70 Seconds**

Options :

1. V K Paul

2. Amitabh Kant

3. Binay Ranjan Sen

4. Ramesh Chand

Solution :

The correct answer is option 4, i.e. **Ramesh Chand**.

Government of India nominated member of NITI Aayog, _____ to head the Food and Agricultural Organisation (FAO) in March 2019.	**Ramesh Chand**

Who is **Ramesh Chand**?	• Dr. Ramesh Chand is a renowned Indian agricultural economist and a policy maker of repute. • Since 2015, he is a Member, National Institution for Transforming India (NITI) Aayog in the rank of Union Minister of State, Government of India. • He is also a Member of the Fifteenth Finance Commission of India.
What is FAO?	• The Food and Agriculture Organization of the United Nations is a specialized agency of the United Nations that leads international efforts to defeat hunger. • The only Indian to head the FAO is Binay Ranjan Sen, who was the Director-General from 1956 to 1967.
Headquarters of FAO:	Rome, Italy

Question 15 :

TV remote controls work on the principle of which of the following?

Difficulty : Moderate

Average Time : 196 Seconds

Options :

1. Laser technology

2. Seismic waves

3. Bluetooth technology

4. Infrared waves

Solution :

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

TV remote controls work on the principle of _____.	Infrared waves

Infrared waves Technology:-	- The IR LED is connected to the end of the circuit board and emits infrared light which is sensed by the sensor placed at the receiver of the TV. - The receiver at the TV end generally consists of a TSOP receiver, which receives the IR signal at 38 kHz. **The wavelength of infrared waves ranges from 700 nm to 1 mm.**

Question 16 :

Kala Bhavana, founded in 1919, is a noted institution of education and research in visual arts. It is located in _____.

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

Options :

1. West Bengal

2. Bihar

3. Sikkim

4. Uttar Pradesh

Solution :

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

What is Kala Bhavana?	• Kala Bhavana (Institute of Fine Arts) is the fine arts faculty of Visva-Bharati University, in Shantiniketan, India. Santiniketan is a small town located in the Birbhum district of West Bengal. • It is an institution of education and research in visual arts, founded in 1919, it was established by Nobel laureate Rabindranath Tagore.
Kala Bhavana has at present six major streams of studies:	1. Painting 2. Graphic Art (Print-making) 3. Design (Ceramic & glass) 4. Design (Textile) 5. History of Art 6. Sculpture

Question 17 :

Pramod Sawant became Chief Minister of which Indian state in March, 2019?

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. Tamil Nadu

2. Maharashtra

3. Goa

4. Kerala

Solution :

The correct answer is option 3, i.e. Goa.

Pramod Sawant became Chief Minister of which Indian state in March, 2019?	**Goa**
Who is Pramod Sawant?	• Pramod Pandurang Sawant (born 24 April 1973) is an Indian politician who is the 11th and current Chief Minister of Goa. • He became chief minister of Goa in March, 2019 after death of former CM Manohar Parikar. • He hails from Sanquelim constituency of Goa. • He is a Ayurveda doctor by profession.

Question 18 :

Which of the following passes connects Tawang with Lhasa?

Difficulty : Moderate   **Average Time : 115 Seconds**

Options :

1. Bum La Pass

2. Chankan Pass

3. Kumjawng Pass

4. Hpungan Pass

Solution :

The correct answer is **option 1** i.e. **Bum La Pass**.

Pass that connects Tawang with Lhasa is _____	Bum La Pass

What is Bum La Pass?	• The Bum La Pass is located about 37 km away from Tawang in Arunachal Pradesh, at the Indo-China border above 15,200 ft above sea level. • It connects Tawang with Lhasa.
Other passes:-	• Hpungan Pass- connects Arunachal Pradesh with Myanmar • Chankan Pass- connects Arunachal Pradesh with Myanmar • Kumjawng Pass- connects Arunachal Pradesh with Myanmar.

Question 19 :

Who founded the Indian Statistical Institute on 17 December 1931?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. P.C. Mahalanobis

2. M.H. Hansen

3. R.A. Fischer

4. F. Yates

Solution :

The correct answer is option 1, i.e. **P.C. Mahalanobis.**

Who founded the Indian Statistical Institute on 17 December 1931?	**P.C. Mahalanobis**
Who was **P.C. Mahalanobis?**	• Prasanta Chandra Mahalanobis was an Indian scientist and statistician. • He is best remembered for the Mahalanobis distance, a statistical measure, and for being one of the members of the first Planning Commission of free India. • P.C. Mahalanobis founded the Indian Statistical Institute on 17 December 1931.
What is the Indian Statistical Institute?	• Headquarters: Kolkata. • Indian Statistical Institute has the status of an Institution of National Importance. This status was given by an act of the Indian Parliament in 1959. • Statistics, natural sciences and social sciences are main areas of research.

Question 20 :

Who was appointed as the director of Bhabha Atomic Research Centre (BARC) for a period of three years in March 2019?

Difficulty : Moderate **Average Time : 165 Seconds**

Options :

1. Ajit Kumar Mohanty
2. Kamlesh Nilkanth Vyas
3. Vishvapavan Pati
4. Satyajeet Rajan

Solution :

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

Who was appointed as the director of Bhabha Atomic Research Centre (BARC) for a period of three years in March 2019?	**Ajit Kumar Mohanty**
Who is Ajit Kumar Mohanty?	• Mohanty headed the physics group at BARC and was also director of the Kolkata-based Saha Institute of Nuclear Physics. • Mohanty replaced former head K. N. Vyas.
What is BARC?	• BARC stands for Bhabha Atomic Research Center. It is a premier nuclear research centre in India. • It is located in Trombay, Mumbai. • Its main job is to find out the peaceful applications of nuclear energy particularly in the area of power generation and utilization. • Dr Homi Bhabha established the Atomic Energy Establishment, Trombay (AEET) in January 1954.

Question 21 :

_____ in Himachal Pradesh is a famous tourist attraction.

Difficulty : Moderate   Average Time : 165 Seconds

Options :

1. Rohtang Pass

2. Mintaka Pass

3. Chang-La Pass

4. Aghil Pass

Solution :

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

What is Rohtang Pass?	• It is a high mountain pass (elevation 3,980 m (13,058 ft)) on the eastern Pir Panjal Range of the Himalayas around 51 km (32 mi) from Manali. • It connects the Kullu Valley with the Lahaul and Spiti Valleys of Himachal Pradesh, India.
Other Passes	Mintaka Pass- situated in Karakorum Mountains, between Pakistan and Xinjiang in China Chang-La Pass- situated in Ladhak, J&K Aghil Pass- situated in Karakoram range.
Himachal Pradesh:	Capital: Shimla CM: Jairam Thakur Governor: Bandaru Dattatreya

Question 22 :

In March 2019, who among the followings was appointed as India's first Lokpal?

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

Options :

1. Justice N V Ramana

2. Justice N V Ramana

3. Justice Pinaki Chandra Ghose

4. Justice A K Sikri

Solution :

The correct answer is **option 3** i.e. **Justice Pinaki Chandra Ghose.**

In March 2019, who among the following was appointed as India's first Lokpal?	**Justice Pinaki Chandra Ghose**
Who is Justice Pinaki Chandra Ghose?	**President Ramnath Kovind administered an oath to P C Ghosh.** - Pinaki Chandra Ghose (born 28 May 1952) is currently the Lokpal of India since 23 March 2019. - He is a retired judge of the Supreme Court of India. - He was serving as a member of the National Human Rights Commission when his name was announced for the post of Lokpal chairperson. **Post of Lokpal was created by Lokpal Act, 2013.**

Question 23 :

Who among the following was one of the Governors during the reign of Alauddin Khilji?

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

Options :

1. Ghiyasuddin Tughlaq

2. Nasiruddin Mahmud

3. Shams-ud-din Iltutmish

Jalal-ud-din Khilji

Solution :

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

- Ghiyasud-din Tughlaq was the founder of the Tughlaq dynasty.
- He ruled on Delhi between 1320 - 24.

Question 24 :

Which of the following articles promotes equal justice and free legal aid for all citizens?

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

Options :

1. 39A

2. 43A

3. 48A

4. 32A

Solution :

The correct answer is **Option 1** i.e. **39A.**

The article that promotes equal justice and free legal aid for all citizens is _____	39A

What is Article 39A?	According to Article 39A "EQUAL JUSTICE AND FREE LEGAL AID" of the Indian Constitution, the State shall secure that the operation of the legal system promotes justice on a basis of equal opportunity, and shall, in particular, provide free legal aid. Certain principles of the policy are to be followed by the State.
What is Article 32A?	Regarding constitutional remedies.
What is Article 43A?	Article 43A of the Constitution of India deals with the 'Participation of workers in the management of industries.
What is Article 48A?	Protection and improvement of environment and safeguarding of forests and wildlife.

Question 25 :

A sustained rise in the general price level in an economy is called _____.

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. Stagflation

2. Inflation

3. Deflation

4. Disinflation

Solution :

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

Inflation	A sustained rise in the general price level in an economy is called Inflation.
What is Inflation?	Inflation is a quantitative measure of the rate at which the average price level of a basket of selected goods and services in an economy increases over a period of time.
What is Stagflation?	A situation in which the inflation rate is high, the economic growth rate slows down, and unemployment remains steadily high.
What is Deflation?	Deflation is a general decline in the prices of goods and services, typically associated with a contraction in the supply of money and credit in the economy.
What is Disinflation?	It is a temporary slowing of the pace of price inflation.

Question 26 :

Select the ANTONYM of the given word. FINITE

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

Options :

1. finished

2. endless

limited

4. bound

Solution :

The correct answer is **option 2, i.e. 'endless'.**

Word meaning	Usage	Synonym	Antonym
Finite: limited in size or extent. **Endless**: having or seeming to have no end or limit. **Hence, these two are antonyms.**	For E.g. Of the Infinite, the finite mind can only catch a finite glimpse. And if our flaws are endless, God's love is truly boundless.	definite fixed limited restricted	indefinite unfixed unlimited endless
Meaning of other words:- **Finished**: (of a task or activity) brought to an end; completed. **Limited**: restricted in size, amount, or extent; few, small, or short. **Bound**: going or ready to go towards a specified place.			

Question 27 :

In the sentence identify the segment which contains the grammatical error. I know the cobbler which mends the shoes outside the gate of our colony.

Difficulty : Moderate   **Average Time : 89 Seconds**

Options :

1. the shoes

2. outside the gate

3. I know the cobbler

4. which mends

Solution :

The correct answer is **option 4, i.e. 'which mends.'**

Concept/Grammar rules	Application
The use of the pronoun "**which**" is incorrect here as it is used for groups or things. The correct word here would be "**who**" as it refers to people.	**Who** and **whom** are used mainly for people. However, these pronouns can also be used to refer to animals that are mentioned by name and seen as persons. Ex: The musician who wrote this song is Canadian. The correct sentence will be: I know the cobbler who mends the shoes outside the gate of our colony. **Hence, the error is in option 4.**

Question 28 :

Select the most appropriate SYNONYM of the given word. ENTICE

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. Enrage

2. Entail

3. Entrap

4. Ensue

Solution :

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

Let's have a look at the meaning of the given options-

1. **Entice**: attract or tempt by offering pleasure or advantage.
2. **Entrap**: catch in or as in a trap.
3. **Ensue**: happen or occur afterward or as a result.
4. **Entail**: involve (something) as a necessary or inevitable part or consequence.
5. **Enrage**: make (someone) very angry.

As the chosen option expresses the best meaning of the given word it will be the correct answer.

Question 29 :

Select the ANTONYM of the given word. REPRIMAND

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. blame

2. compliment

3. reproach

4. apprehend

Solution :

The correct answer is **option 4, i.e. 'Compliment'.**

Word meaning	Usage	Synonym	Antonym
Reprimand: a formal expression of disapproval. **Compliment**: a polite expression of praise or admiration. **Hence, these two are antonyms.**	For E.g. He said nothing, except to reprimand me for assaulting Martin. Thank you for the compliment, but I don't expect to stick to it all my life.	admonition censure rebuke admonishment blame castigation	compliment praise commendation forgiveness
Meaning of other words:- **Apprehend:** arrest (someone) for a crime. **Reproach**: the expression of disapproval or disappointment. **Blame**: responsibility for a fault or wrong.			

Question 30 :

Select the correct active form of the given sentence. The wall of this park is being painted by children.

Difficulty : Moderate

Average Time : 89 Seconds

Options :

1. Children painted the wall of this park.

2. Children are painting the wall of this park.

3. The wall is painting children of this park.

4. Children have been painting the wall of this park.

Solution :

The correct answer is **option 2, i.e. Children are painting the wall of this park.**

Concept	Usage
The given sentence is in passive voice. Its tense is present continuous. The structures for active/passive voices are: **Active**: Subject + is/are/am + V + (ing) + object… **Passive**: Object + is/are/am + being + V3 + by + subject...	The passive form of the sentence will be: **Children are painting the wall of this park.**

Question 31 :

Select the most appropriate meaning of the given idiom. Lead someone by the nose

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. Accuse or denounce the wrong person

2. To aggravate the situation

3. To reveal the secret carelessly or by mistake

4. To dominate someone

Solution :

The correct answer is **Option 4 i.e. To dominate someone.**

Idiom Meaning	Usage

The idiom **'to lead someone by the nose'** means **'to control or influence someone completely'**.	For example: the government has been led by the nose by the timber trade so that it suppressed the report.

Question 32 :

Select the word which means the same as the group of words given. Persons living at the same time.

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. contemporaries
2. colleagues
3. cosmopolitans
4. compatriots

Solution :

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

Word meaning	Meaning of other words
Contemporary: someone living during the same period as someone else. **It will be the correct one word.**	**Cosmopolitan**: containing or having experience of people and things from many different parts of the world **Compatriots**: a fellow citizen or national of a country. **Colleague**: a person with whom one works in a profession or business.

Question 33 :

Select the correct passive form of the given sentence. Take this suitcase upstairs.

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. You are requested to take this suitcase upstairs.

2. Let this suitcase been taken upstairs.

3. This suitcase should be taken upstairs.

4. You must be taking this suitcase upstairs.

Solution :

The correct answer is **option 3, i.e. This suitcase should be taken upstairs.**

Concept	Usage
In the given active voice, command has been given and thus two possible form of passive voice are: Let + object + be + V3 + other words Or Object + should be + V3 + other words	Passive voice is: **This suitcase should be taken upstairs.** **Hence, option 3 is the correct one.**

Question 34 :

In the sentence identify the segment which contains the grammatical error. The street artist Satish Munjal has been painting this wall since the past one week.

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. this wall

2. since the past one week

3. has been painting

4. The street artist

Solution :

The correct answer is **option 2, i.e. since the past one week.**

Concept	Usage
'**Since**' is used in case of '**point of time**' and '**for**' is used in case of '**a period of time**' always. '**Since the past one week**' conveys that the work is continued from a period of time i.e. '**one week**'.	Hence, **since** must be replaced with **for**. **Error is in option 2.**

Question 35 :

Select the most appropriate option to fill in the blank. In many countries, the _____ in pay for men and women is quite common, for example, in Germany women are paid 21 percent less as compared to men.

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

Options :

1. disparity

2. unlikeliness

3. equivalence

4. disagreement

Solution :

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

Concept	Usage
The sentence implies that there is an inequality in pay for men and women in many countries.	'**Disparity**' means '**a great difference**' is the correct answer and this word fits best in the given sentence.

Question 36 :

Select the most appropriate meaning of the given idiom. Couch potato

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

Options :

A person who watches too much television

2. A person who is simple in nature

3. A person who remains relaxed and calm

4. A person who sleeps all day

Solution :

The correct answer is **option 1 i.e. a person who watches too much television.**

The meaning of the given idiom is-

Couch potato- a lazy person who spends a lot of time sitting and watching television and not doing any other work

As the meaning of the given idiom is the same as the chosen option it will be correct.

Question 37 :
Select the wrongly spelt word.

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

Options :

1. renassaince

2. rendezvous

3. remuneration

4. remonstrate

Solution :

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

Word meaning	Usage	Meaning of other words

Option 1 has the wrongly spelt word. Its correct spelling is '**renaissance**' and it means '**the revival of European art and literature under the influence of classical models in the 14th–16th centuries or the culture and style of art and architecture developed during the Renaissance'.**	For E.g. The Renaissance had little or no influence on Sardinian architecture and culture.	**Rendezvous**: a meeting at an agreed time and place. **Remuneration** : money paid for work or a service. **Remonstrate**: make a forcefully reproachful protest.

Question 38 :

Select the most appropriate SYNONYM of the given word. DUBIOUS

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

Options :

1. Fishy

2. Loyal

3. Certain

4. Steady

Solution :

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

Let's have a look at the meaning of the given options-

1. **Dubious**: hesitating or doubting.
2. **Fishy**: arousing feelings of doubt or suspicion.
3. **Certain**: able to be firmly relied on to happen or be the case.
4. **Loyal**: giving or showing firm and constant support or allegiance to a person or institution.
5. **Steady**: firmly fixed, supported, or balanced; not shaking or moving.

As the chosen option expresses the best meaning of the given word it will be the correct answer.

Question 39 :
Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement'. The Head has been so busy to go through these files and resolve the matter

Difficulty : Moderate   Average Time : 65 Seconds

Options :

1. too busy to go through

2. so busy to go through

3. such busy to go through

4. No improvement

Solution :
The correct answer is **option 1 i.e. too busy to go through.**

Concept/Grammar rules	Application
The sentence implies that the Head was excessively busy that he was not able to go through these files and resolve the matter.	The structure **"too….to"** should be used in the sentence. '**Too**' means '**to a higher degree than is desirable, permissible, or possible; excessively'.** '**Too**' should be used instead of '**so**'. For ex: He was too nervous to perform well on stage. **Hence, option 1 is the correct.**

Comprehension :
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. In 1914 a war began in Europe which engulfed the entire world. The damage (1)_____ by this war has no precedent in history. (2)_____ the earlier wars, the civilian populations were (3)_____ not

involved and the casualties were mostly (4)_____ to the warring armies. The war (5)_____ began in 1914 was a total war in which all the resources of the warring states were mobilized.

Question 40 :

Select the most appropriate option for blank No. (1).

Difficulty : Moderate   Average Time : 94 Seconds

Options :

1. constructed

2. caused

3. made

4. began

Solution :

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

Concept/Grammar rules	Application
'**cause**' means **'to make something happen'**. The damage is always caused by something.	Therefore, option 2 i.e. '**caused**' is the apt fit for the blank.

Comprehension :

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. In 1914 a war began in Europe which engulfed the entire world. The damage (1)_____ by this war has no precedent in history. (2)_____ the earlier wars, the civilian populations were (3)_____ not involved and the casualties were mostly (4)_____ to the warring armies. The war (5)_____ began in 1914 was a total war in which all the resources of the warring states were mobilized.

Question 41 :

Select the most appropriate option for blank No.(2).

Difficulty : Moderate   Average Time : 73 Seconds

Options :

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    in

2. at

3. into

4. on

Solution :

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

Concept/Grammar rules	Application
'**In**' means '**expressing a period of time during which an event happens or a situation remains the case**'.	The correct preposition to fill in the blank is '**in**'. **Hence, option 1 is correct.**

Comprehension :

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. In 1914 a war began in Europe which engulfed the entire world. The damage (1)_____ by this war has no precedent in history. (2)_____ the earlier wars, the civilian populations were (3)_____ not involved and the casualties were mostly (4)_____ to the warring armies. The war (5)_____ began in 1914 was a total war in which all the resources of the warring states were mobilized.

Question 42 :
Select the most appropriate option for blank No. (3).

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

Options :

1. chiefly

2. broadly

3. generally

4. finally

Solution :

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

Concept	Application

The sentence implies that the civilian populations were normally not involved in the wars.	'**Generally**' meaning '**in most cases; usually**' is the apt fit for the blank.

Comprehension :

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. In 1914 a war began in Europe which engulfed the entire world. The damage (1)_____ by this war has no precedent in history. (2)_____ the earlier wars, the civilian populations were (3)_____ not involved and the casualties were mostly (4)_____ to the warring armies. The war (5)_____ began in 1914 was a total war in which all the resources of the warring states were mobilized.

Question 43 :

Select the most appropriate option for blank No. (4)

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

Options :

1. bound
2. confined
3. belonged
4. attained

Solution :

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

Concept/Grammar rules	Application
The sentence implies that the causalities were mostly done to the warring armies.	'**Confine**' meaning '**keep or restrict someone or something within certain limits of (space, scope, or time)**' is the apt fit for the blank. **Hence, option 2 is the correct answer.**

Comprehension :

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. In 1914 a war began in Europe which engulfed the entire world. The damage (1)_____ by this war has no precedent in history. (2)_____ the earlier wars, the civilian populations were (3)_____ not involved and the casualties were mostly (4)_____ to the warring armies. The war (5)_____ began in 1914 was a total war in which all the resources of the warring states were mobilized.

Question 44 :

Select the most appropriate option for blank No. (5).

Difficulty : Moderate

Average Time : 78 Seconds

Options :

1. what

2. whom

3. which

4. who

Solution :

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

Concept/Grammar rules	Application
'**Which**' is used in referring to something when introducing a clause giving further information' is the apt fit for the blank.	**Hence, the correct answer is option 3 i.e. which.** "The war **which** began in 1914 was a total war..."

Question 45 :

Select the word which means the same as the group of words given. Someone who believes that people cannot change the way events will happen.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. prophet

2. fatalist

3. seer

4. fanatic

Solution :

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

Word Meaning	The meanings of the words:
A fatalist is someone who feels that no matter what he or she does, the outcome will be the same because it's predetermined. **It is the correct one word here.**	**Prophet**: a person regarded as an inspired teacher or proclaimer of the will of God. **Fanatic**: a person filled with excessive and single-minded zeal, especially for an extreme religious or political cause. **Seer**: a person of supposed supernatural insight who sees visions of the future.

Question 46 :

Given below are four jumbled sentences. Select the option that gives their correct order. A. In China, thousands of people celebrated it. B. The Lunar New Year of the Pig began on 5th February. C. Others burned the first joss sticks of the year to bring them good fortune. D. Some performers re-enacted historical ceremonies.

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. DABC
2. ABCD
3. BADC
4. BDCA

Solution :

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

Concept/Grammar rules	Application
Sentence B is the introductory sentence of the passage as it mentions the subject i.e. **'Lunar New Year of the Pig'.** '**AD**' is the mandatory pair as in sentence A, it is mentioned that thousands of people celebrate the festival in China and sentence D further tells about the performances done by the people. Sentence C aptly concludes the passage.	**Hence, the correct order of the sentences is BADC.** **Therefore, option 3 is correct.**

Question 47 :

Given below are four jumbled sentences. Select the option that gives their correct order. A. In fact, Canada accounts for nearly one-third of the world's production of newsprint. B. Forest products, therefore, have been important export items of Canada for more than a century. C. A large part of Canada is covered with coniferous trees. D. Pulp and paper are their two most important forest products.

Difficulty : Moderate   **Average Time : 79 Seconds**

Options :

1. BACD

2. ABCD

3. CBDA

4. DCAB

Solution :

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

Concept/Grammar rules	Application
Sentence C is the introductory sentence of the passage as it mentions the subject i.e. **'coniferous trees'.** Sentence B should follow sentence C because it further elaborates that due to the presence of coniferous trees, Canada has been an exporter of forest products. Sentence D should be the third sentence as it lists important forest products. Finally, sentence A concludes the passage.	**Therefore, option 3 i.e. CBDA is the correct sequence.**

Question 48 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement'. You won't tell the secret, won't you?

Difficulty : Moderate **Average Time : 66 Seconds**

Options :

1. isn't it

2. No improvement

3. would you

4. will you

Solution :

The correct answer is **option 4, i.e. will you.**

Concept/Grammar rules	Application
Tag questions (or question tags) turn a statement into a question. The underlined segment is an example of a sentence tag, which are short interrogative segments added at the end of sentences and used for emphasis. The verb in the first part of the given sentence is negative, therefore the sentence tag should be positive.	Also, if the main clause has an auxiliary verb in it, we use the same verb in the tag question. **'Will not'** is contracted as **'won't',** therefore, the apt question tag is **'will you'.**

Question 49 :

Select the most appropriate option to fill in the blank. Catholics and Protestants have a long history of _____ in Northern Ireland but volunteers from both communities came together to build the monument of Peace.

Difficulty : Moderate **Average Time : 78 Seconds**

Options :

1. truce

2. agreement

3. contest

conflict

Solution :

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

Concept/Grammar rules	Application
The sentence has a conjunction '**but**' and the word '**peace**' in the latter part. Therefore, the blank should be filled with the word which has meaning opposite to peace.	The word "**truce**" means **agreement**. So, words like "**truce**", "**agreement**" are similar in meaning to the word **peace**. **Contest** is not similar to peace but it is also not opposite to it. '**Conflict**' meaning '**a serious disagreement or argument, typically a protracted one**' is the perfect fit for the blank.

Question 50 :

Select the wrongly spelt word.

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. megre

2. measure

3. meadow

4. matter

Solution :

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

Word Meaning	Meaning of the other words

Option 1 has the wrongly spelt word. The correct spelling is '**meagre**' and it means '**(of something provided or available) lacking in quantity or quality**'.	**Measure** - to figure out the size, amount or degree of something. **Meadow** - open field or grassland. **Matter** - a physical substance OR a subject or situation under consideration.

Question 51 :

The average of twelve numbers is 46. The average of the first four numbers is 43 and that of the last five numbers is 49.4. The 5th and the 6th number are respectively 4 and 6 more than the 7th number. What is the average of the 5th and 7th numbers?

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. 44.5

2. 43

3. 44

4. 43.5

Solution :

The correct answer is **option 2** i.e. **43**

Understanding	Application

| The average of twelve numbers = 46

 Sum of twelve numbers = 46 × 12 = 552

 Let 7th number is x
 So,

 5th number is = x + 4

 6th number is = x + 6 | The average of the first four numbers is 43

 sum of the first four numbers = 43 × 4 = 172

 Average of last five numbers = 49.4

 So, sum of last five numbers = 49.4 × 5 = 247

 Sum of 12 numbers =

 172 + x + x + 4 + x + 6 + 247 = 552

 3x = 552 − 429

 3x = 123

 x = 41

 By putting value of x,

 We have, 5th number is = x + 4 = 41 + 4 = 45

 7th number = 41

 So, average of 5th and 7th number = (41 + 45)/2 = 43 |

Question 52 :

Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster. JKLM : HLKO : : PQRS : ?

Difficulty : Moderate

Average Time : 76 Seconds

Options :

MRQV

2. ORQT

3. NRQU

4. NQRU

Solution :

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

Understanding	Application
JKLM : HLKO J – 2 = H K + 1 = L L – 1 = K M + 2 = O	Similarly, for PQRS P – 2 = N Q + 1 = R R – 1 = Q S + 2 = U Hence, **PQRS : NRQU** is the correct answer.

Question 53 :

If $x^2 + y^2 + z^2 = 133$, $xy + yz + zx = 114$ and $xyz = 216$, then the value of $x^3 + y^3 + z^3$ is:

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 948

2. 942

3. 1009

4. 999

Solution :

Correct Answer is **option 3** i.e. **1009**

Concept	Understanding	Application	Fair calculation
Formulas: $(x + y + z)^2 = x^2 + y^2 + z^2 + 2(xy + yz + zx)$ And $x^3 + y^3 + z^3 - 3xyz = (x + y + z)(x^2 + y^2 + z^2 - xy - yz - zx)$	Given $x^2 + y^2 + z^2 = 133$, $xy + yz + zx = 114$ and $xyz = 216$	$(x + y + z)^2 = x^2 + y^2 + z^2 + 2(xy + yz + zx)$ $(x + y + z)^2 = 133 + 2 \times 114$ $(x + y + z)^2 = 361$ $(x + y + z) = 19$ Now $x^3 + y^3 + z^3 - 3xyz = (x + y + z)(x^2 + y^2 + z^2 - xy - yz - zx)$ $x^3 + y^3 + z^3 - 3 \times 216 = 19 \times (133 - 114)$ $x^3 + y^3 + z^3 - 648 = 361$ $x^3 + y^3 + z^3 = 1009$	$19 \times (133 - 114)$ $= 19 \times 19$ $= 361$

Question 54 :

Select the Venn diagram that best illustrates the relationship between the following classes. Doctors, Salaried Persons, Parents

Difficulty : Moderate

Average Time : 290 Seconds

Options :

1.

2.

3.

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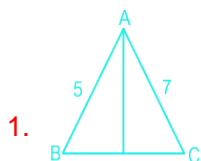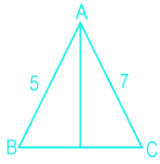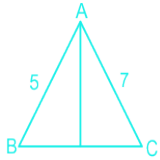
Solution :
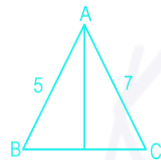
The correct answer is **option 2.**

Understanding
Some doctors can be parents as well as salaried.
Similarly, some parents can be doctors as well as salaried.
Similarly, some salaried persons can be doctors as well as parents.
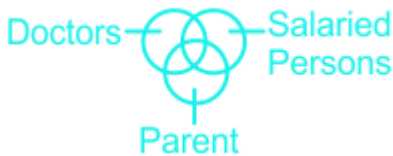
Question 55 :

If Poster is coded as 592314 and DARK is coded as 8647, then how will STROKE be coded as?

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. 234971
2. 234917
3. 493287
4. 329417

Solution :

Correct Answer is option 1 i.e.234971

Concept	Understanding	Application
Coding decoding	Its given that POSTER is coded as 592314 and DARK is coded as 8647	P = 5, O = 9, S = 2, T = 3, E = 1, R = 4 And D = 8, A = 6, R = 4, K = 7 Hence, STROKE will be coded as 234971

Question 56 :

Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

Difficulty : Moderate

Average Time : 127 Seconds

Options :

1. Papaya
2. Guava
3. Bottle Gourd
4. Pomegranate

Solution :

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

Understanding
All except Bottle Gourd are fruits. Bottle Gourd is a vegetable.

Question 57 :

The ratio of the present ages of A and B is 8 : 9. After 9 years, this ratio will become 19 : 21. C is 3 years younger to B. What is the present (in years) of C?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 49
2. 48
3. 51
4. 52

Solution :

Correct Answer is **option 3** i.e. **51**

Understanding

Given the ratio of the present ages of A and B is 8 : 9

Let the present ages of A and B is 8x and 9x.

After 9 years, ratio:

(8x + 9)/(9x + 9) = 19/21

(8x + 9)/(3x + 3) = 19/7

x = 6

So,

Age of B = 9x = 9 × 6 = 54

C is 3 year younger than B

So, age of C = 54 – 3 = 51 years

Question 58 :

A trader marks his goods at 40% above the cost price. He sells 70% of the goods at the marked price and the rest, he sells by allowing a 40% discount on the marked price. His percentage profit is:

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. 23.2
2. 23.4
3. 24.4
4. 24.2

Solution :

Correct Answer is **option 1** i.e. **23.2**

Concept	Understanding	Application	Fair calculation

SP = MP - discount	Let the cost price of one article is Rs. 100 MP = 100 × 1.4 = Rs. 140 And number of articles = x	Since 70% of the goods are sold at marked price: CP of 70% goods = 0.7x × 140 = 98x Since 30% of the goods are sold at 40% discount on MP: CP of 30% goods = 0.3x × 140 × 0.6 = 25.2x Hence, CP of 100% goods = 98x + 25.2x = 123.2x SP of 100% goods = 100x Hence, Profit percentage = [(123.2x – 100x)/100x] × 100 = 23.2%	0.3x × 140 × 0.6 = 42x × 0.6 = 25.2x

Question 59 :

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

Difficulty : Moderate   Average Time : 206 Seconds

Options :

1.

2.

3.

4.
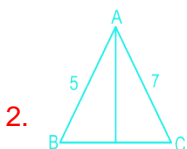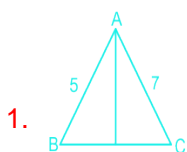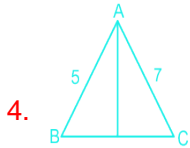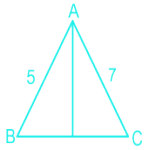
Solution :

The correct answer is **Option 3**.

Understanding
The mirror image of the given figure along the mirror is shown below:
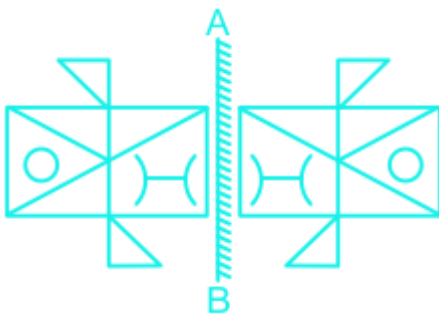
Note: Since the mirror is placed vertically beside the question figure, the image will be formed by inverting the question figure horizontally about the mirror.

That means the left side of the figure will become the right side and vice versa.

Hence, **option 3** is correct.

Question 60 :

In a family of eight persons, there are two couples, each having two children. C and D are cousin brothers. The father of E is married to G, who is the aunt of F. F's mother, H is married to B, the brother of A. C is the nephew of H. How is A related to D?

Difficulty : Moderate

Average Time : 92 Seconds

Options :

1. Father

2. Brother

3. Nephew

4. Uncle

Solution :

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

Understanding	Application
C and D are cousin brothers. The father of E is married to G, who is the aunt of F. F's mother, H is married to B, the brother of A. C is the nephew of H. We can represent the above reation in the following diagram: 	From the diagram A is the uncle of D.

Question 61 :

Two different positions of the same dice are shown. Which number will be at the top if 1 is at the bottom?

Difficulty : Moderate

Average Time : 62 Seconds
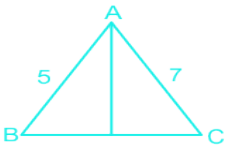
Options :

1. 5

2. 6

3. 2

4

Solution :

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

Understanding	Application
In this type of question, we pick the common side and go in a clockwise direction in both positions. 1st position: 3 **1** 6 2nd position: 3 **4** 2	We can see that the side opposite '1' is **'4'**.

Question 62 :

Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest.

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

Options :

1. 341

2. 209

3. 166

4. 132

Solution :

The correct answer is **option 3** i.e. **166**

Understanding
Only 166 is not divisible by 11, rest are divisible by 11, which makes it odd.

Question 63 :

Two statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) form the statements. Statements: Some students are players. Some players are athletes. Conclusions: I. Some students are athletes. II. Some players are students III. No students is an athlete.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Only conclusion II and either conclusion I or III follow

2. Only conclusion I follows

3. Only conclusions II and III follow

4. None of the conclusions follows.

Solution :

The correct answer is **Option 1, i.e. Only conclusion II and either conclusion I or III follows.**

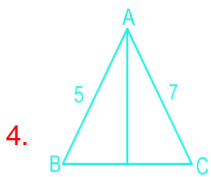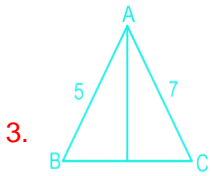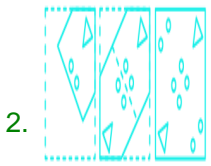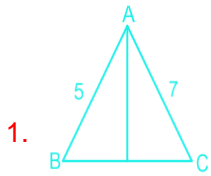| Understanding |
|---|
| The least possible venn diagram is: |
| |
| **Conclusions:**

I. Some students are athletes **False** (This is possible but not definite, as no direct relationship between the two is given).

II. Some players are students **True** (As, Some students are players is already given).

III. No students is an athlete **False** (This is possible but not definite, as no direct relationship between the two is given).

Hence, **Only conclusion II and either conclusion I or III follows.** |

Question 64 :

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

Difficulty : Moderate

Average Time : 81 Seconds

Options :

1.

2.

3.

4.

Solution :

The correct answer is **option 2**

Understanding

After unfolding, the paper will appear as follows:

In this type of question, the order of unfolding the paper will be reverse of the order in which it was folded.

Question 65 :

Select the option that is related to the third term in the same way as the second term is related to the first term. Happy : Glad :: Sad : ?

Difficulty : Moderate   Average Time : 73 Seconds

Options :

1. Gloomy

2. Merry

3. Contented

4. Mellow

Solution :

Correct Answer is option 1 i.e. Gloomy

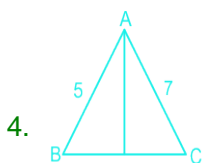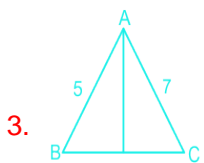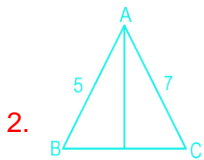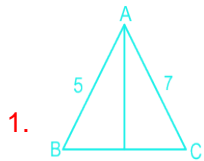| Understanding |
| --- |
| As, Happy and Glad are the synonyms to each other. Similarly, Sad and Gloomy are the synonyms to each other. |

Question 66 :

Select the option in which the given figure is embedded.

Difficulty : Moderate   Average Time : 40 Seconds

Options :

1.

2.

3.

4.

Solution :

The correct answer is **option 4**.

Understanding	Application
After carefully observing the figure given in the question, it is very clear that the question figure is embedded in option figure 4.	

Question 67 :

Arrange the following words in a logical and meaningful order. 1. Writing 2. Distributing 3. Publishing 4. Printing 5. Editing

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. 2, 3, 4, 5, 1

2. 2, 4, 3, 1, 5

1, 5, 4, 3, 2

4. 1, 2, 3, 4, 5

Solution :

The correct answer is **option 3** i.e. **1, 5, 4, 3, 2**

Understanding
Order of Newspaper/Book production:
The Correct order is-
1.Writing
5.Editing
4.Printing
3.Publishing
2.Distributing

Question 68 :

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

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. PAST

2. ZOOM

3. DECK

4. BIRD

Solution :

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

Understanding
Only the word ZOOM has two vowels and rest words have only 1 vowel. Hence, ZOOM is the odd word.

Question 69 :

Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series. dc_abc_cb_bcd_ba_c

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. cbadb
2. bdacb
3. dbacb
4. dbcab

Solution :

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

Understanding	Application
dc_abc_cb_bcd_ba_c All the options should be checked.	Checking with option 2: dc**b**abc/**d**cb**a**bc/d**c**ba**b**c Hence, bdacb is the correct answer.

Question 70 :

Which number will replace the question mark (?) in the following series? 2, 3, 6, 10, 17, 28, ?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. 43
2. 46
3. 39
4. 45

Solution :

Correct Answer is option 2 i.e. 46

Understanding	Application
2, 3, 6, 10, 17, 28 Observe the difference of consecutive terms.	3 – 2 = 1 6 – 3 = 3 10 – 6 = 4 17 – 10 = 7 28 – 17 = 11 Now, 1 + 3 = 4, 3 + 4 = 7, 4 + 7 = 11 Then, 7 + 11 = 18 Hence, next term = 28 + 18 = 46

Question 71 :

Select the set in which the numbers are related in the same way as are the numbers of the following set. (12, 16, 28)

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. (20, 25, 35)

2. (9, 15, 21)

3. (18, 24, 42)

4. (36, 48, 77)

Solution :

The correct answer is **Option 3** i.e. **(18, 24, 42)**

Understanding	Application

3rd number = 1st number + 2nd number (12, 16, 28) Here, 12 + 16 = 28	Similarly 18 + 24 = 42 Hence, **(18, 24, 42)** is the correct option.

Question 72 :

Rs. 820 is divided among 6 men 8 women and 12 boys in such a way that every women gets an amount equal to that received by one man and one boy combined and that every man gets one and a half times the amount received by a boy. What is the total amount received by 8 women?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Rs. 380
2. Rs. 240
3. Rs. 300
4. Rs. 400

Solution :

Correct Answer is **option 4** i.e. **Rs. 400**

Understanding	Application

Given Every woman gets an amount equal to that received by one man and one boy combined and that every man gets one and a half times the amount received by a boy. Let amount received by 1 boy = X Then amount received by 1 man = 1.5 X And amount received by 1 woman = 2.5 X	Total amount = $(12 \times X + 6 \times 1.5X + 8 \times 2.5X) = (12X + 9X + 20X)$ Since total amount is Rs. 820: $(12X + 9X + 20X) = 820$ $41X = 820$ $X = 20$ Amount received by 1 woman = $20 \times 2.5 = 50$ Amount received by 8 women = $50 \times 8 = Rs. 400$

Question 73 :

'Dumbness' is related to 'Speech' in the same way as '_____' is related to 'Memory'.

Difficulty : Moderate

Average Time : 156 Seconds

Options :

1. Illusion

2. Thoughtless

3. Recognition

4. Amnesia

Solution :

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

Understanding

Dumbness refers to permanently or temporarily unable to speak.

Similarly,

Amnesia refers to the loss of memories, such as facts, information and experiences.

Question 74 :
Select the figure that will come next in the following figure series.

Difficulty : Moderate

Average Time : 43 Seconds

Options :

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

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

The lines at the corner are increasing by one in each figure.

The alphabet are increasing by 2 in the middle.

The circles are decreasing by one in each figure.

Question 75 :
Select the number – pair in which the two numbers are related in the same way as are the two numbers of the following number – pair 28 : 63

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 48 : 98
2. 16 : 36
3. 36 : 78

12 : 28

Solution :

The correct answer is **option 2** i.e.**16 : 36**

Understanding	Application
28 : 63 = 4 : 9 28 and 63 is multiple of 7.	Similarly, 16 : 36 = 4 : 9 16 and 36 is multiple of 4. Hence, **16 : 36** is the correct answer.

Question 76 :

Select the set in which the numbers are related in the same way as are the numbers of the following set. (15, 22, 31)

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

Options :

1. (23, 30, 40)

2. (7, 14, 23)

3. (11, 18, 29)

4. (5, 11, 20)

Solution :

The correct answer is **option 2** i.e. **(7, 14, 23)**

Understanding	Application

Difference of consecutive terms is to be observed. (15, 22, 31) 22 − 15 = 7 31 − 22 = 9	Similarly, for (7, 14, 23) 14 − 7 = 7 23 − 14 = 9 Hence, **(7, 14, 23)** is the correct answer.

Question 77 :

Which two signs should be interchanged in the following equation to make it correct? 12 − 6 ÷ 12 × 6 + 6 = 9

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. + and ÷
2. × and +
3. - and +
4. ÷ and ×

Solution :

The correct answer is **Option 3** i.e. **– and +**

Understanding	Application
12 - 6 ÷ 12 × 6 + 6 = 9 is to be true. We need to check the options.	From option 3, by interchanging signs – and +, we get 12 + 6 ÷ 12 × 6 − 6 = 12 + 3− 6 = 9 = RHS Hence, **– and +** is the correct answer.

Question 78 :

How many triangles are there in the following figure?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 12
2. 11
3. 15
4. 13

Solution :

The correct answer is **option 3** i.e. **15**

Understanding	Application
	In the figure, the triangles formed are as follows: ACG, ABF, FBG, ABG, BCG, BGH, BHC, DGF, DBG, BGE, GHE, ABE, BCD, BFE and BDH. Total **15 triangles**.

Question 79 :

In a code language, TEACHING is written as SDBDGHOH. How will BOOKWORM be written as in that language?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. ANPLVNSN
2. ANPLXNNS
3. CPNJXPSL
4. ANPLXPSL

Solution :

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

Understanding	Application
The alphabets are moved backward and forward. TEACHING is written as SDBDGHOH: T – 1 = S E – 1 = D A + 1 = B C + 1 = D H – 1 = G I – 1 = H N + 1 = O G + 1 = H	Similarly, for BOOKWORM: B – 1 = A O – 1 = N O + 1 = P K + 1 = L W – 1 = V O – 1 = N R + 1 = S M + 1 = N BOOKWORM will be written as ANPLVNSN

Question 80 :

Let and , if a = b then c = ?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 1 + sin x cos x

2. 1 + sin x – cos x

3. 1 +cos x – sin x

4. 1 – sin x cos x

Solution :

Correct answer is **option 2** i.e **1 + sin x – cos x**

Concept	Understanding	Application

Sin 90 = 1 Cos 90 = 1	Given $a = \dfrac{2sinx}{1 + sinx + cosx}$ and $a = \dfrac{2sinx}{1 + sinx + cosx}$	Since, a = b $a = \dfrac{2sinx}{1 + sinx + cosx}$ $= \dfrac{2}{1+1+0} = \dfrac{c}{1+1}$ Putting x = 90 $\dfrac{2}{1 + 1 + 0} = \dfrac{c}{1 + 1}$ C = 2 Now we need to check the options by putting x = 90: Option 2: 1+sinx - cosx 1+ 1 - 0 = 2 Since option 2 is satisfy the condition, it is the correct answer.

Question 81 :

If 2x2 + y2 + 6x - 2xy + 9 = 0, then the value of (4x3 - y3 + x2 y2) is:

Difficulty : Moderate   **Average Time : 102 Seconds**

Options :

1. 0

2. -9

3. -3

4. 9

Solution :

Correct Answer is **option 1** i.e. **0**

Concept	Understanding	Application	Fair calculation
$(x^2 + y^2 - 2xy) = (x - y)^2$	Given $2x^2 + y^2 + 6x - 2xy + 9 = 0$	$2x^2 + y^2 + 6x - 2xy + 9 = 0$ $x^2 + x^2 + y^2 + 6x - 2xy + 9 = 0$ $(x^2 + y^2 - 2xy) + (x^2 + 6x + 9) = 0$ $(x - y)^2 + (x + 3)^2 = 0$ So, $x + 3 = 0$ and $x - y = 0$ So, $x = -3$ and $x = y = -3$ Now, $(4x^3 - y^3 + x^2y^2)$ $= 4(-3)^3 - (-3)^3 + (-3)^2(-3)^2$ $= 0$	$4(-3)^3 - (-3)^3 + (-3)^2(-3)^2$ $= -108 + 27 + 81$ $= 0$

Question 82 :

ABDC is a parallelogram in which diagonals AD and BC intersect at O. AE and DF are perpendicular on BC at E and F, respectively. Which of the following is not true?
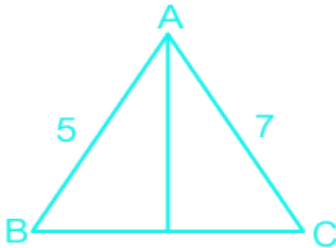
Difficulty : Moderate   **Average Time : 256 Seconds**

Options :

1. ADC ABD

2. AOE DOF

ABC DCB

4. AEB DFC

Solution :

The correct answer is **option 1** i.e. **∆ ADC ∆ ABD**

Understanding	Application
In ∆ABC and ∆DBC: AC = BD, AB = DC and BC is the common side hence, triangles are congruent. 	In ∆ AEO and ∆ DOF: AOE = DOF (vertically opposite angle) AEO = DFO (both 90°) And AO = OD (BC bisects AD) Hence, the triangles are congruent In ∆ AEB and ∆ DFC: DFC = AEB ABE = DCF CD = AB Hence, the triangles are congruent In ∆ ADC and ∆ ABD AC = BD AD = AD And CD = BA Hence ∆ ADC is congruent to ∆ DAB. But not congruent to ∆ ABD Hence statement 1 is not true.

Question 83 :

The table shows the production of different types of cars (in thousands). City/Year 2012 2013 2014 2015 2016 A 54 58 60 63 55 B 40 54 56 61 67 C 46 50 63 73 77 D 33 35 48 45 49 E 47 43 53 48 52 If the data related to the production of type D

cars is represented by a pie chart, then the central angle of the sector representing the production of cars in 2013 will be:

Difficulty : Moderate   **Average Time : 123 Seconds**

Options :

1. 77

2. 84

3. 75

4. 60

Solution :

Correct Answer is **option 4** i.e. **60^0**

Concept	Understanding	Application	Fair calculation
Pie chart represents 360 degree	Extract the data from the table.	Total production of type D cars = 33 + 35 + 48 + 45 + 49 = 210 Production of type D cars in 2013 = 35 Hence, Central angle of the sector representing the production of type D cars in 2013 = 35/210 × 360 = 60^0	35/210 × 360 = 360/6 = 60

Question 84 :

The value of 16 ÷ 4 of 4 × [3 ÷ 4 of {4 × 3 ÷ (3 + 3)}] ÷ (2 ÷ 4 of 8) is:

Difficulty : Moderate   **Average Time : 160 Seconds**

Options :

1. 16

2. 48

3. 9

6

Solution :

Correct Answer is **option 4** i.e. **6**

Concept	Understanding	Application
BODMAS	Equation inside the bracket must be solved first. 'of' operation must be solved next. Then Division. Then multiplication. Then Addition and Subtraction	$16 \div 4$ of $4 \times [3 \div 4$ of $\{4 \times 3 \div (3 + 3)\}] \div (2 \div 4$ of $8)$ $16 \div 16 \times [3 \div 4$ of $\{4 \times 3 \div 6\}] \div (2 \div 32)$ $1 \times [3 \div 4$ of $2] \div 1/16$ $[3 \div 8] \div 1/16$ $[3/8] \div [1/16]$ 6

Question 85 :

When the price of an item was reduced by 20%, then its sale increased by x%. If there is an increase of 60% in the receipt of the revenue, then the value of x is:

Difficulty : Moderate

Average Time : 173 Seconds

Options :

1. 80

2. 120

3. 96

4. 100

Solution :

Correct Answer is **option 4** i.e. **100**

Concept	Understanding	Application

Revenue = price × sale	Price of an item was first reduced by 20%, then its sale increased by x%. There is an increase of 60% in the receipt of the revenue.	$160/100 = 80/100 \times (100 + x)/100$ $1.6 = 0.8 \times (1 + 0.01x)$ $2 = 1 + 0.01x$ $0.01x = 1$ $x = 100\%$ So, Increase in sale is 100%

Question 86 :

The length of a metallic pipe is 7.56 m. Its external and internal radii are 2.5 cm and 1.5 cm respectively. If 1 cm of the metal weight 7.5 g, then the weight of the pipe is : (Take = 22/7)

Difficulty : Moderate   **Average Time : 173 Seconds**

Options :

1. 70.14 kg

2. 69.68 kg

3. 72.82 kg

4. 71.28 kg

Solution :

Correct Answer is **option 4** i.e. **71.28 Kg**

Concept	Understanding	Application	Fair calculation

| Volume of pipe $= (R^2 - r^2) \times L$ | Length of metallic pipe = L = 7.56 m = 756 cm

Outer radius = R = 2.5 cm

Internal radius = r = 1.5 cm | Volume of pipe = 22/7 × L × (R + r) (R − r)

= 22/7 × 756 × 4 × 1

= 9504 cm^3

Weight of 1 cm^3 volume of metal = 7.5 gm

So,

Weight of pipe = 7.5 × 9504 gm = 71.28 Kg | 22/7 × 756 × 4 × 1

= 88 × 108

= 9504 |

Question 87 :

If x + y = 12 and xy = 27, x > y, then the value of (x3-y3) is:

Difficulty : Moderate   **Average Time : 189 Seconds**

Options :

1. 720

2. 724

3. 710

4. 702

Solution :

Correct Answer is **option 4** i.e. **702**

Concept	Understanding	Application	Fair calculation

| $(x - y)^2 = (x + y)^2 - 4xy$ | $x + y = 12$ and $xy = 27$, $x > y$ | $(x - y)^2 = 144 - 4 \times 27$ $= 144 - 108$ $= 36$ $x - y = 6$ And $(x + y)^2 = 144$ $x^2 + y^2 + 2xy = 144$ $x^2 + y^2 = 144 - (2 \times 27) = 90$ Now $x^3 - y^3 = (x - y)(x^2 + y^2 + xy)$ $= 6 \times (90 + 27)$ $= 6 \times 117$ $= 702$ | $144 - 4 \times 27$ $= 144 - 108$ $= 36$ $144 - (2 \times 27)$ $= 144 - 54$ $= 90$ |

Question 88 :

Abhi bought two articles for Rs. 624. He sold one at a loss of 14% and the other at a profit of 14%. If the selling price of both the articles is equal, then the difference between their cost prices (in Rs.) is:

Difficulty : Moderate

Average Time : 231 Seconds

Options :

1. 89.64

2. 87.36

3. 89.68

4. 88.84

Solution :

The correct answer is **Option 2** i.e. **87.36**

Concept	Application
SP = CP × (100 + profit)/100 And SP = CP × (100 – loss)/100 Given that, cost price for two articles x and y is 624 Total CP = x + y= 624	Selling price of 1st article = 0.86x Selling price of 2nd article = 1.14x Since selling price of both articles is same: 86x = 114y x/y = 57/43 Let x = 57n and y = 43n From x + y = 624 100n = 624 n = 6.24 Difference = 57n – 43n = 14n = 14 × 6.24 = 87.36

Question 89 :

In a circle with center O, ACBO is a parallelogram where C is a point on the minor arc AB. What is the measure of AOB?

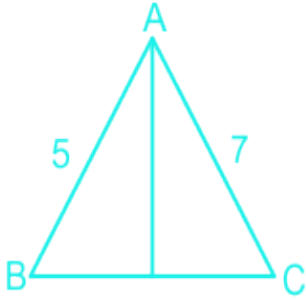**Difficulty : Moderate**

Average Time : 99 Seconds

Options :

1. 110°

2. 120°

150°

4. 100°

Solution :

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

Concept	Application
All the angles of equilateral triangle are of 60°	OB = OC = OA (radius of the circle) Also, OA = BC and OB = AC (parallel sides of parallelogram) Therefore, triangle OBC and triangle OAC are equilateral triangle. Hence, AOB = AOC + BOC = 60° + 60° = 120°

Question 90 :

What is the compound interest on a sum of Rs. 10,000 at 14% p.a. for 19/7 years where the interest is compounded yearly?

Difficulty : Moderate   **Average Time : 100 Seconds**

Options :

1. Rs. 4,259

2. Rs. 4,439

3. Rs. 4,394

4. Rs. 4,296

Solution :

Correct Answer is **option 4** i.e. **Rs. 4296**

Concept	Understanding	Application	Fair calculation
Cumulative rate of interest of x% and y% = x + y + (xy)/100	r = 14% Time = years Sum = Rs. 10000 We need to calculate the cumulative rate of interest for years when the rate is 14% per annum.	Rate of interest for 2 years = 14 + 14 + (14 x 14/100) = 29.96% Rate of 5/7 years = 14 x 5/7 = 10% Rate for years: = 29.96 + 10 + (29.96 x 10/100) = 42.956% Since, 100% = 10000 42.96% = 100 x 42.96 = 4296	= 14 + 14 + (14 x 14/100) = 28 + 1.96 = 29.96% 29.96 + 10 + (29.96 x 10/100) = 39.96 + 2.996 = 42.956

Question 91 :

The vertices of PQR lie on a circle with centre O, SR is a tangent to the circle at the point R. If QR bisects the ORS, then what is the measures of RPQ?

Difficulty : Moderate   **Average Time : 266 Seconds**

Options :

1. 60°

2. 30°

3. 40°

45°

Solution :

The correct answer is **option 4** i.e. **45°**

Understanding	Application
Given QR, bisects ORS 	Since ORS = 90° QR, bisects ORS, So, QRS = 45° By alternate segment theorem: QRS = RPQ = 45°

Question 92 :

The table shows the production of different types of cars (in thousands). City/Year 2012 2013 2014 2015 2016 A 54 58 60 63 55 B 40 54 56 61 67 C 46 50 63 73 77 D 33 35 48 45 49 E 47 43 53 48 52 The total production of all type of cars, except type B, in 2012 is what percent less than the total production of all types of cars in 2016?

Difficulty : Moderate

Average Time : 151 Seconds

Options :

1. 40
2. 25.8
3. 26.7
4. 42

Solution :

Correct Answer is **option 1** i.e. **40%**

Application
Total production of cars (except B) in 2012 = 54 + 46 + 33 + 47 = 180
Total production of cars in 2016
= 55 + 67 + 77 + 49 + 52 = 300
Percentage difference
= [(300 − 180)/300] × 100
= 40%

Question 93 :

The table shows the production of different types of cars (in thousands). City/Year 2012 2013 2014 2015 2016 A 54 58 60 63 55 B 40 54 56 61 67 C 46 50 63 73 77 D 33 35 48 45 49 E 47 43 53 48 52 What is the ratio of the total production of type E cars in 2014 and type C cars in 2016 taken together to the total production of type B cars in 2014 and type D cars in 2013 taken together?

Difficulty : Moderate

Average Time : 97 Seconds

Options :

1. 9 : 8
2. 10 : 7
3. 11 : 5
4. 11 : 8

Solution :

Correct Answer is **option 2** i.e. **10 : 7**

Concept	Understanding	Application		Fair calculation

Ratio	Extract the data from the table.	Sum of production of type E cars in 2014 and type C cars in 2016 = 53 + 77 = 130 Sum of production of type B cars in 2014 and type D cars in 2013 = 56 + 35 = 91 Hence, Ratio = 130 : 91 = 10 : 7	130 : 91 Divide by 13: = 10 : 7

Question 94 :

The efficiencies of A, B and C are in the ratio 5 : 3 : 8. Working together they can complete a work in 30 days. A and B worked together for 20 days. The remaining work will be completed by C alone in:

Difficulty : Moderate   **Average Time : 165 Seconds**

Options :

1. 30 days

2. 32 days

3. 36 days

4. 40 days

Solution :

The correct answer is **Option 4** i.e **40 days**

Total work = Efficiency × Time

Ratio of efficiencies of A, B and C = 5 : 3 : 8

Suppose the efficiencies are 5x, 3x and 8x

Working together, they can complete task in 30 days:

Total work = (5x + 3x + 8x) × 30 = 480x

Work completed by A and B together in 20 days = (5x + 3x) × 20 = 160x

Remaining work = 480x − 160x = 320x

Time in which C will complete remaining work = 320x/8x = 40 days

Question 95 :

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 3/2
2. 3
3. 23
4. (33)/4

Solution :

Correct Answer is **option 2** i.e. **3**

Concept	Understanding	Application	Fair calculation
$Cot^2 = cos^2/sin^2$ $1 - sin^2 = cos^2$	Given $Cos^2/(Cot^2 - Cos^2) = 3$	$Cos^2/(Cot^2 - Cos^2) = 3$ Using the formula: $Sin^2/(1 - sin^2) = 3$ $Sin^2/cos^2 = 3$ $tan^2 = 3$ $tan = 3$ $= 60°$ So, cot 60° + cosec60° $= 1/3 + 2/3$ $= 3$	$= 1/3 + 2/3$ $= 3/3$ $= 3$

Question 96 :

The distance between two station A and B is 800 km. A train X starts from A and moves towards B at 40 km/h and another trains Y starts from B and moves towards A at 60 km/h. how far from A will they cross each other?

Difficulty : Moderate

Options :

1. 300 km
2. 320 km
3. 380 km
4. 360 km

Solution :

Correct Answer is **option 2** i.e. **320 km**

Concept	Understanding	Application	Fair calculation
When direction is opposite: Relative speed = x + y	Speed of B = 60 km/h and Speed of A = 40 km/h Distance between two station A and B = 800 km	Relative speed = (40 + 60) = 100 km/h A and B will meet each other in = 800/100 = 8 hrs Distance covered by A in 8 hrs = 8 × 40 = 320 km	800/100 = 8 8 × 40 = 320

Question 97 :

If a 9-digit number 32x4115y2 is divisible by 88, then the value of (4x − y) for the smallest possible value of y is:

Difficulty : Moderate

Options :

1. 20
2. -1
3. 31
4. 11

Solution :

Correct Answer is **option 3** i.e. **31**

Concept	Understanding	Application
For divisibility by 88, number should be divisible by 11 and 8 both.	32x4115y2 is divisible by 88	For divisible by 8 last 3 digit of the number (5y2) must be divisible by 8. So, the value of y can be 1,5 and 9. For divisibility by 11, difference of sum of digits at odd place and sum of digits at even place must be zero or divisible by 11. So, (11+x) – (7+y) = 0 or multiple of 11 For the smallest value of y, y = 1 11 + x – 7 – 1 = 0 3 + x = 0 So, Only one value of x that is x = 8 will satisfy the equation. By putting y = 1 and x = 8 (4x – y) = 31

Question 98 :

In ABC with sides 6 cm, 7 cm and 8 cm, the angle bisector of the largest angle divides the opposite side into two segments. What is the length of the shorter segment?

Difficulty : Moderate   **Average Time : 179 Seconds**
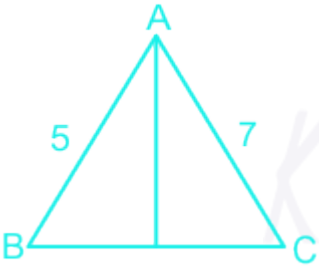
Options :

1. 56/13 cm

2. 48/13 cm

21/5 cm

4. 24/5 cm

Solution :

The correct answer is **option 2** i.e. **48/13 cm**

Concept	Understanding	Application
Angle bisector divides the opposite side in the ratio of other two sides.	Suppose in triangle ABC: AB = 6, BC = 8 and AC = 7 Point D bisect A.	As we know DC/BD = 7/6 (DC/BD) + 1 = (7/6) + 1 (DC + BD)/BD = 13/6 8/BD = 13/6 BD = 6/13 × 8 BD = 48/13 cm

Question 99 :

The table shows the production of different types of cars (in thousands). City/Year 2012 2013 2014 2015 2016 A 54 58 60 63 55 B 40 54 56 61 67 C 46 50 63 73 77 D 33 35 48 45 49 E 47 43 53 48 52 The total production of type E cars in 2012 and 2013 is approximately what percent more than the average production of type A cars during the years 2012 to 2016?

Difficulty : Moderate   **Average Time : 121 Seconds**

Options :

1. 56.4

2. 53.8

3. 52.2

4. 55.2

Solution :

Correct Answer is **option 4** i.e. **55.2**

Application
Total production of type E cars in 2012 and 2013 = 47 + 43 = 90 Average of production of type A cars = (54 + 58 + 60 + 63 + 55)/5 = 58 Percentage difference = [(90 − 58)/58] × 100 = 32/58 × 100 = 55.2% (Approx.)

Question 100 :
If sin = 4 cos , then what is the value of sin cos ?

Difficulty : Moderate   **Average Time : 92 Seconds**

Options :
1. 4/17
2. 2/9
3. 3/4
4. 3/10

Solution :
Correct Answer is **option 1** i.e. **4/17**

Concept	Understanding	Application	Fair calculation

Tan = P/B $H^2 = B^2 + P^2$	Given that, sin = 4 cos	Sin = 4 cos Tan = 4 = P/B So, let P be 4 and B be 1 $H^2 = B^2 + P^2$ H = 17 Sin = 4/17 Cos = 1/17 Hence, Sin Cos = (4/17) × (1/17) = 4/17	$H^2 = 4^2 + 1^2 = 17$ H = 17

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2019-06-06 in the Afternoon exam is as follows:
1. 100 questions were moderate.
2. The safe score is 140 marks.
3. 25 questions were asked from General Awareness, 25 questions were asked from English Language, 25 questions were asked from Quantitative Aptitude and 25 questions were asked from Logical Reasoning
4. 53 questions should have been skipped if you were short of time.

Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

General Awareness

1. Polity - 2
2. Economics - 1
3. GK Misc - 22

English Language

1. Comprehensive - 4
2. Idioms - 2
3. Voice - 18
4. Synonym - 1

Quantitative Aptitude

1. Average - 1
2. Percentage - 2
3. Data Interpretation - 1
4. Time And Work - 2
5. Time Speed And Distance - 1
6. Interest - 1
7. Geometry - 4
8. Trigonometry - 4
9. Mensuration - 2
10. Algebra - 5
11. Profit And Loss - 2

Logical Reasoning

1. Arrangement And Pattern - 1
2. Analogy - 8
3. Classification - 2
4. Missing Characters - 1
5. Blood Relations - 1
6. Syllogism - 1
7. Venn Diagrams - 2
8. Figure Based - 3
9. Configuration, Fitting Pieces, Odd Pieces - 1
10. Series - 1
11. Mathematical Reasoning - 3
12. Cubes And Dice - 1

Ssc Cgl Tier I Previous Year Question Paper Tips and Tricks

TIPS & TRICKS

1. Try to solve Ssc Cgl Tier I Previous Year Question Paper without taking any help from the solutions.
2. Ssc Cgl Tier I 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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Answer Key
Important Days

Further Guidance on Ssc Cgl Tier I Previous Year Question Paper

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About Neetu Mam

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