

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 2020-03-03 in the Evening 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

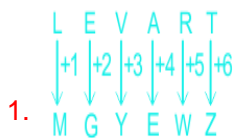
Question 1 :

Which of the following Venn diagrams best represents the relationship between the following classes? Police Officers, Mothers, Females

Difficulty : Moderate

Average Time : 43 Seconds

Options :



Solution :

The correct answer is **option 4**

Understanding

All mothers are females.

Some police officers can be females as well as mothers.

L	E	V	A	R	T
↓+1	↓+2	↓+3	↓+4	↓+5	↓+6
M	G	Y	E	W	Z

Question 2 :

Select the option that is related to the third number in the same way as the second number is related to the first number. 7 : 329 :: 9 : ?

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. 1029
2. 743
3. 728
4. 711

Solution :

The correct answer is **option 4** i.e. **711**

Understanding	Application
The logic used here is: $7^3 - 7 \times 2 = 343 - 14 = 329$	Similarly, $9^3 - 9 \times 2 = 729 - 18 = 711$

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 number. When you enter a restaurant, you take your (1)_____ and you are served a glass of water. You take your (2)_____ to decide what you should order. When a (3)_____ appears, you ask him the routine question, "(4)_____ do you have?" The waiter will begin to recite (5)_____ day's menus, generally



with nothing new in it, but you like to hear it all over again.

Question 3 :

Select the most appropriate option to fill in blank number (4).

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. When
2. Why
3. What
4. How

Solution :

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

- As we ask about the food, the option that seems to be most appropriate is "**what**" because the sentence is asking for the **things** that the Restaurant can offer.
- Usage of what: asking for information about something.

Hence, the chosen option will be 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 number. When you enter a restaurant, you take your (1)_____ and you are served a glass of water. You take your (2)_____ to decide what you should order. When a (3)_____ appears, you ask him the routine question, "(4)_____ do you have?" The waiter will begin to recite (5)_____ day's menus, generally with nothing new in it, but you like to hear it all over again.

Question 4 :

Select the most appropriate option to fill in blank number (3).

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. friend
2. cleaner
3. manager



waiter

Solution :

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

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

1. **friend**- a person that you know and like (not a member of your family), and who likes you.
2. **cleaner**- a person whose job is to clean the rooms and furniture inside a house or other building.
3. **manager**- a man or woman who controls an organization or part of an organization.
4. **waiter**- a man whose job is to serve customers at their tables in a restaurant, etc.

First of all, a waiter appears in front of the customer hence, the chosen option will be suitable for the given blank.

Question 5 :

Select the SYNONYM of the given word. RELIEF

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. Anger
2. Aid
3. Emotion
4. Stress

Solution :

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

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

1. **Anger**- an emotion characterized by antagonism toward someone or something.
2. **Relief**- the feeling that you have when something unpleasant stops or becomes less strong.
3. **Aid**- a person or thing that helps you.
4. **Emotion**- a strong feeling such as love, anger, fear, etc.
5. **Stress**- a feeling of emotional or physical tension.

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

Question 6 :

Select the most appropriate option to fill in the blank. The popular leader is remarkable for the way in which he _____ the qualities of a good politician and a world-class thinker.



Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. conditions
2. portrait
3. shows
4. controls

Solution :

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

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

1. **conditions**- the state that somebody/something is in.
2. **portrait**- a picture, painting or photograph of a person.
3. **shows**- to make something clear; to give information about something.
4. **controls**- to have the power and the ability to make somebody/something do what you want.

In the given statement it is said that the leader is popular it means that he has shown his quality of good leadership.

Hence, the meaning of the chosen option will suit the statement.

The correct sentence will be-

The popular leader is remarkable for the way in which he shows the qualities of a good politician and a world-class thinker.

Question 7 :

Select the correct passive form of the given sentence. Conduct all the exams in a fair and proper manner.

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. Let all the exams be conducted in a fair and proper manner.
2. The exams were all conducted in a fair and proper manner.
3. All the exams are conducted in a fair and proper manner.
4. Let all exams should be conducted in fair and proper manner.



Solution :

The correct answer is option 1 i.e. **Let all the exams be conducted in a fair and proper manner.**

Active voice- Main verb + object + other words.

Passive voice - Let + object + be + v3 + other words.

As the chosen option follows this structure it will be 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 number. When you enter a restaurant, you take your (1)_____ and you are served a glass of water. You take your (2)_____ to decide what you should order. When a (3)_____ appears, you ask him the routine question, "(4)_____ do you have?" The waiter will begin to recite (5)_____ day's menus, generally with nothing new in it, but you like to hear it all over again.

Question 8 :

Select the most appropriate option to fill in blank number (5).

Difficulty : Moderate

Average Time : 79 Seconds

Options :

1. an
2. this
3. a
4. the

Solution :

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

- The noun for which the article will be used is "**menu**".
- As it is known the word for a restaurant we need to use the definite article "**the**" before it.

Hence, the chosen option will be correct.

Question 9 :

Select the SYNONYM of the given word. INCLEMENT

Difficulty : Moderate

Average Time : 43 Seconds

Options :



1. Dignified
2. Stormy
3. Wonderful
4. Pleasant

Solution :

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

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

1. **Dignified**- behaving in a calm, serious way that makes other people respect you.
2. **Inclement**- (used about the weather) unpleasant, cold, rainy etc.
3. **Stormy**- used for talking about very bad weather, with strong winds, heavy rain, etc.
4. **Wonderful**- extremely good; fantastic.
5. **Pleasant**- nice, enjoyable or friendly.

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

Question 10 :

_____ was the first host country of the FIFA (Federation Internationale de Football Association) World Cup.

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. Italy
2. Brazil
3. France
4. Uruguay

Solution :

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

1. The first FIFA World Cup was held in the host city Montevideo, Uruguay.



2. It was won by the host team i.e Uruguay.

Question 11 :

Given below are four jumbled sentences. Select the option that gives their correct order. A. They were all very bright and eager to learn, and the sage was proud of them. B. One day he realized that he had imparted sufficient knowledge to his disciples. C. Once upon a time, a great sage had a group of obedient disciples. D. There was only one thing that he had not taught them – a special mantra that could bring the dead back to life.

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. ACBD
2. DBAC
3. CABD
4. ADBC

Solution :

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

- **Statement C** is independent and introduces the theme of the paragraph "**a great sage**" hence, it will be the opening statement.
- **Statement C** is ending with "**disciples**" and statement A starts with "**they**" which is used for the noun "**disciples**" hence, **A** will come after **C**.
- **Statement B** is complementary information for **A** hence, **B** will come after **A**.
- Finally, D will come at the end of the statement.
- Now we have the final arrangement i.e. **CABD**.

The chosen option is the same as the final arrangement hence, it will be correct.

Some common rules that help while solving the Para Jumbles:-

1. Read the paragraph **carefully** and try to **comprehend the idea or theme of the paragraph** and **eliminate the irrelevant options**.
2. Try to identify the opening (**Independent statement**) and closing statement (**Concluding statement**).
3. Try to **identify the mandatory pairs**. Two sentences can be connected through various connectors.
4. If a statement starts with **Pronoun**, find **the noun** for which the pronoun is used, both the statements containing **noun** and **pronoun** will form a pair respectively.

Question 12 :

Select the INCORRECTLY spelt word.



Difficulty : Moderate

Average Time : 101 Seconds

Options :

1. Occurrence
2. Fasineting
3. Grammatical
4. Professional

Solution :

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

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

1. **Occurrence**- something that happens or exists.
2. **Fascinating**- of great interest or attraction; enchanting; charming; captivating.
3. **Grammatical**- connected with grammar.
4. **Professional**- connected with a job that needs a high level of training and/or education.

As the chosen option is incorrectly spelt it will be the correct answer.

Question 13 :

Christiaan Barnard is famous for:

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. delivering the world's first test-tube baby
2. cloning the first mammal ever
3. performing the world's first human heart transplant
4. first publishing tables of logarithms

Solution :

The correct answer is **Option 3** i.e **performing the world's first human heart transplant**

In 1967, Christiaan Barnard led the team that performed the world's first human-to-human heart transplant.

Name	Work they are famous for
------	--------------------------



Patrick Steptoe and Robert Edwards	delivering the world's first test-tube baby
A team from Roslin Institute in Scotland	cloning the first mammal ever
John Napier	first publishing tables of logarithms

Question 14 :

Which of the following books is NOT authored by RK Narayan?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. **Malgudi Days**
2. **The Jungle Book**
3. **Swami and Friends**
4. **The Guide**

Solution :

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

- Some of the notable books written by RK Narayan are:

1. Malgudi Days
2. Swami and Friends
3. The Guide
4. The English Teacher

However, the book "Jungle Book" is written by Rudyard Kipling.

Question 15 :

The Mission Indradhanush, an initiative of Govt. of India, is associated with:

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. **digitalisation**
2. **immunisation**



3. highway development

4. cleanliness

Solution :

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

1. Mission Indradhanush is a health mission of the Government of India.
2. It was launched by Union Health Minister J. P. Nadda on 25 December 2014.
3. The scheme seeks to drive towards 90% full immunisation coverage of India and sustain the same by the year 2020.

Question 16 :

The amalgamation of Vijaya Bank and Dena Bank with Bank of Baroda (BoB) came into effect from:

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 1 April 2019
2. 1 January 2019
3. 1 June 2019
4. 1 April 2018

Solution :

The correct answer is **Option 1** i.e **1 April 2019**

1. In a first three-way amalgamation, **Vijaya Bank** and **Dena Bank** merged with Bank of Baroda (BoB) from April 1 to create the third-largest lender of the country.
2. As a result, branches of Vijaya Bank and Dena Bank will function as BoB outlets.

Important takeaway:

Managing Director & CEO of Bank of Baroda: Shri Sanjiv Chadha

Headquarter: Alkapuri, Vadodara

Question 17 :

Which of the following was NOT a type of sacrifice performed by kings in ancient India to establish their position?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Rajasuya
2. Ashvamedha
3. Muvendavelan
4. Vajapeya

Solution :

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

1. Muvendavelan was a prominent military officer of the Chola empire, he was known for his generous donation to various temples where he was deployed by the ruler.

A	B
Rajasuya	1. Rajasuya Vedic sacrifice was a royal conservation ceremony. It was a yajna or sacrifice performed by the ancient kings of India who considered themselves powerful enough to be an emperor.
Ashvamedha	1. The Ashvamedha is a horse sacrifice ritual followed by the Sruta tradition of Vedic religion. 2. It was used by ancient Indian kings to prove their imperial sovereignty.

Question 18 :

_____ was awarded the Nobel Prize in 1913 and a knighthood in 1915.

Difficulty : Moderate

Average Time : 62 Seconds

Options :



Mahatma Gandhi

2. Mother Teresa

3. Rabindranath Tagore

4. Sarojini Naidu

Solution :

The correct answer is **Option 3** i.e **Rabindranath Tagore**

1. Poet Rabindranath Tagore won the Nobel Prize for Literature in **1913** for his collection Gitanjali published in London in 1912.
2. The prize gained even more significance by being given to an Indian for the first time. This honour established Tagore's literary reputation worldwide.
3. Tagore returned his Knighthood for Services to Literature, which he was awarded in **1915**, in protest against the 1919 Amritsar Massacre.

Question 19 :

Which of the following monuments bears a similarity to the French war memorial, the Arc-de-Triomphe?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Victoria Memorial
2. Charminar
3. Gateway of India
4. India Gate

Solution :

The correct answer is **Option 4** i.e **India Gate**

1. India Gate, an important monument of the city New Delhi, is a memorial built in commemoration of more than 80,000



Indian soldiers who were killed during World War I.

2. The monument is an imposing 42 meters high arch and was designed by the famous architect Edwin Lutyens.
3. India gate was earlier named All India War Memorial.
4. The design of India gate is almost similar to its French counterpart war memorial, the Arc-de-Triomphe.

Question 20 :

The Government of India launched the _____ Initiative on 16 January 2016, with the objective of supporting entrepreneurs, building a robust start-up ecosystem and transforming India into a country of job creators instead of job seekers.

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. Digital India
2. Skill India
3. Empower India
4. Start-up India

Solution :

The correct answer is **Option 4** i.e **Start-up India**

1. Startup India is a flagship initiative of the Government of India, intended to catalyse startup culture and build a strong and inclusive ecosystem for innovation and entrepreneurship in India.
2. Since the launch of the initiative on 16th January 2016, Startup India has rolled out several programs with the objective of supporting entrepreneurs and transforming India into a country of job creators instead of job seekers.

Question 21 :

The Kyaik Htee Yoe pagoda is located in:

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Sri Lanka
2. Nepal



3. Bhutan

4. Myanmar

Solution :

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

1. Mount Kyaiktiyo (Kyite Htee Yoe), famous for the huge golden rock perched at its summit, is one of the three most sacred religious sites in Myanmar, along with the Shwedagon Pagoda and the Mahamuni Temple.
2. The pagoda is located near Kyaikto in Mon State in the northern part of the Tenasserim coast.

Important takeaways:

1. Municipality: Kyaikto
2. Elevation: 1,100 m (3,609 ft)
3. Country: Myanmar

Question 22 :

In January 2020, China tested the world's first high-speed driverless bullet train between Beijing and:

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Zhangjiakou
2. Lhasa
3. Shanghai
4. Haikou

Solution :

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

1. China tested the world's first high-speed bullet train, running at a speed of 350 kmph without a driver between Beijing to Zhangjiakou.



- China is planning to serve the Olympics participants in 2022 with this high-speed driverless bullet train.
- The world's first smart, high-speed and non-driverless train will be operated daily to complete the Journey of 74 km from Beijing to Zhangjiakou in 47 minutes.
- The automatic train has been named 'Rejuvenation'.

Question 23 :

Kandhamal Haldi, a variety of turmeric indigenous to _____, earned the Geographical Indication (GI) tag from Intellectual Property (India) in April 2019.

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

- Nagaland
- Assam
- Odisha
- Meghalaya

Solution :

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

- 'Kandhamal Haldi', a variety of turmeric indigenous to southern Odisha, has earned the Geographical indication (GI) tag from Intellectual Property India, an organisation functioning under the auspices of the Union ministry of commerce & industry.
- The recognition coincided with the state's Foundation Day (Utkal Divas).
- Odisha, on April 1 1936, was carved out as a separate state in the then British India on linguistic identity.

Question 24 :

Haemophobia is the fear of:

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

- Blood

Heights

3. Water

4. Darkness

Solution :

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

The term for the irrational fear of blood is hemophobia. It falls under the category of “specific phobia”.

A	B
Fear of heights	Acrophobia
Fear of water	Aquaphobia
Fear of darkness	Nyctophobia

Question 25 :

COP26 also known as United Nations Climate Change Conference (UNCCC) was recently held in _____.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Madrid
2. Glasgow
3. Poland
4. Bonn

Solution :

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

NITI Aayog has recently released the Sustainable Development and Climate Change Index.

A) In this report India has the 10th largest forest area in the world.

B) In 2020, the forests covered 24% of India's total geographical area, accounting for 2% of the world's total forest area.

C) United Nations Climate Change Conference is also known as the 26th Conference of Parties (COP26) held in Glasgow, Scotland, United Kingdom, in 2021, announced to be achieved by 2030 to reduce emissions.

Question 26 :

Crocodiles have a _____ chambered heart.



Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. four
2. three
3. single
4. two

Solution :

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

1. Crocodile belongs to class Reptilia, which are cold-blooded animals.
2. All reptiles have a 3 chambered heart.
3. The crocodilian has perhaps the most complex vertebrate circulatory system.
4. It has a four-chambered heart and two ventricles, an unusual trait among extant reptiles, and both left and right aorta which is connected by a hole called the Foramen of Panizza.

Question 27 :

As of January 2020, _____ has the maximum number of seats in the Rajya Sabha.

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Tamil Nadu
2. Uttar Pradesh
3. Karnataka
4. Maharastra

Solution :

The correct answer is **Option 2** i.e **Uttar Pradesh**

States	No. of seats in Rajya Sabha
Tamil Nadu	18

Uttar Pradesh	31
Karnataka	12
Maharashtra	19

Question 28 :

Which of the following is the only correct pair as described by Chola inscriptions?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Pallichchandam – land donated to Jaina institutions
2. Shalabhoga – land gifted to Brahmanas
3. Vellanvagai – land of Brahmana peasant proprietors
4. Brahmadeya – land gifted to temples

Solution :

The correct answer is **Option 1** i.e. **Pallichchandam – land donated to Jaina institutions.**

According to Chola inscriptions, there were five types of 'land gifts' that Chola kings gave to their people:

1. Vellanvagai was land for non-Brahmana, peasant proprietors.
2. Brahmadeya was land gifted to Brahmanas.
3. Shalabhoga was land for the maintenance of a school.
4. Devadana / Tirunamattukkani was land gifted to temples.
5. Pallichchandam was land donated to Jaina institutions.

Question 29 :

Which of the following is an inert gas most commonly found in light bulbs?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Hydrogen
2. Argon
3. Oxygen



Radon

Solution :

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

- Argon is used in light bulbs.
- The very thin metal filament inside the bulb would react with oxygen and burn away if the bulb were filled with air instead of argon.
- Argon stops the filament from burning away because it is unreactive.
- The filament of an electric bulb is made of tungsten.

Question 30 :

Snails belong to Phylum:

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Arthropoda
2. Echinodermata
3. Chordata
4. Mollusca

Solution :

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

1. The gastropods commonly known as snails and slugs belong to a large taxonomic class of invertebrates within the phylum Mollusca called Gastropoda.
2. The organisms in phylum Mollusca generally have a soft body, a mantle, have an organ called a radula, which helps them ingest food and a muscular foot, or in the case of some, tentacles, for locomotion.

Question 31 :

Which of the following is a beach in Goa?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Kudle
2. Palolem



Marina

4. Varkala

Solution :

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

1. Palolem Beach is located in Goa.

Beach	State
Kudle	Karnataka
Marina	Chennai
Varkala	Kerala

Question 32 :

The first Wimbledon Championship was held in:

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 1877
2. 1884
3. 1896
4. 1863

Solution :

The correct answer is **Option 1** i.e **1877**

1. On July 9, 1877, the All England Croquet and Lawn Tennis Club begins its first lawn tennis tournament at Wimbledon, then an outer suburb of London.
2. Twenty-one amateurs showed up to compete in the Gentlemen's Singles tournament, the only event at the first Wimbledon.
3. The winner was to take home a 25-guinea trophy.



Question 33 :

Name the state capital located 530 metres above sea level between 93 East longitude and 27 North latitude.

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Dispur
2. Patna
3. Hyderabad
4. Itanagar

Solution :

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

1. ITANAGAR is located at an altitude of 530 meters above sea level between 93 east longitude and 27 north latitude.
2. It was built more than three decades ago.
3. The population of Arunachal is 13,82,611 according to 2011 census and is scattered over 26 towns and 3863 villages.

Question 34 :

The spice, cinnamon, is native to:

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Bhutan
2. Malaysia



Sri Lanka

4. Afghanistan

Solution :

The correct answer is **Option 3** i.e **Sri Lanka**

1. Cinnamon is native to Sri Lanka (formerly Ceylon), the neighbouring Malabar Coast of India, and Myanmar (Burma) and is also cultivated in South America and the West Indies.

2. The spice, consisting of the dried inner bark, is brown in colour and has a delicately fragrant aroma and a warm sweet flavour.

Question 35 :

_____ was executed at Lahore in November 1915 for his role in the Ghadar Conspiracy in February 1915.

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Kartar Singh Sarabha

2. Tantia Mama

3. Maganbhai Patel

4. Vijay Singh Pathik

Solution :

The correct answer is **Option 1** i.e **Kartar Singh Sarabha**

1. Kartar Singh Sarabha (24 May 1896 – 16 November 1915) was an Indian revolutionary who was one of the most famous and reputed martyrs of Punjab and India.

2. He was 15 years old when he became a member of the Ghadar Party, then he came up as a leading luminary member and started fighting for the independence movement.

3. He was one of the most active members of the movement. In November 1915 at Lahore, Kartar Singh Sarabha was executed for his role in the movement when he was 19 years old.

**Question 36 :**

Article _____ of the Constitution of India deals with provisions related to the administration and control of Scheduled Areas and Scheduled Tribes.

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

1. 222(1)
2. 222(2)
3. 244(2)
4. 244(1)

Solution :

The correct answer is **Option 4** i.e **244(1)**

- Article 244 deals with the administration of Scheduled areas and Tribal areas.
- The provisions of the Fifth Schedule of the Constitution apply to the administration and control of the scheduled areas and scheduled tribes in any state other than the states of Assam, Meghalaya, Tripura and Mizoram.
- Article 244(1) states the Provisions for the Administration and Control of Scheduled Areas and Scheduled Tribes.

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 number. When you enter a restaurant, you take your (1)_____ and you are served a glass of water. You take your (2)_____ to decide what you should order. When a (3)_____ appears, you ask him the routine question, "(4)_____ do you have?" The waiter will begin to recite (5)_____ day's menus, generally with nothing new in it, but you like to hear it all over again.

Question 37 :

Select the most appropriate option to fill in blank number (1).

Difficulty : Moderate**Average Time : 76 Seconds****Options :**

1. seat
2. plate
3. counter
4. stage

**Solution :**

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

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

1. **seat**- the part of a chair, etc. that you sit on.
2. **plate**- a flat, usually round, dish for eating or serving food from.
3. **counter**- a long, flat surface in a shop, bank, etc., where customers are served.
4. **stage**- one part of the progress or development of something.

The first thing that we do in a restaurant is to take a seat hence, the chosen option will be correct.

Question 38 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No Improvement'. Long after those five horses finish drinking water from the trough, an old horse appeared over the brow of the hill.

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

1. **No Improvement**
2. **had been finishing**
3. **have finished**
4. **had finished**

Solution :

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

- The statement starts with an **adverb** showing a time period hence, we need to use "perfect tense.
- The other verb in the given statement is in the past tense hence, we need to use "Past perfect tense.
- As the chosen option is in the past perfect tense it will be correct.

The correct sentence will be-

Long after those five horses had finished drinking water from the trough, an old horse appeared over the brow of the hill.

Question 39 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No Improvement'. You must go to the book fair if you are liking it or not.



Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. No Improvement
2. whether you have liked
3. whether you like it
4. although you are liking it

Solution :

The correct answer is option 3 i.e. **whether you like it**.

- The correct structure for the conditional statement is-
- **Subject + modal verb + v1 + object , If/whether + subject + v1/v5 + object + other words.**
- The given structure is in the same structure hence, the chosen option will improve the statement correctly.
- Hence, the chosen option will be correct.

The correct sentence will be-

You must go to the book fair whether you like it or not.

Question 40 :

Select the word which means the same as the group of words given. A building where grain is kept or stored

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Greenery
2. Grandstand
3. Grate
4. Granary

Solution :

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

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

1. **Greenery**- attractive green leaves and plants.
2. **Grandstand**- rows of seats, usually covered by a roof, from which you get a good view of a sports competition, etc.
3. **Grate**- to rub food into small pieces using a metal tool (grater).

Granary- a large building for storing grains.

As the chosen option expresses the meaning of the given group of words it will be the correct answer.

Question 41 :

Given below are four jumbled sentences. Select the option that gives their correct order. A. So, in the agrarian era, you destroy your enemy's productive capacity by burning his crops or fields. B. Now, in the information era, destroying the enemy's productive capacity means destroying their information infrastructure. C. You battle with your enemy by destroying the enemy's productive capacity, which will be different depending upon the foundation of the economy. D. But in the industrial era, ending productive capacity meant bombing of the factories that are located in cities and main industrial areas.

Difficulty : Moderate

Average Time : 82 Seconds

Options :

1. ACDB
2. ACBD
3. BDAC
4. CADB

Solution :

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

- **Statement C** is independent and introduces the theme of the paragraph hence, it will be the opening statement.
- **Statement A** is a complementary statement hence, it will come after C.
- **Statement B** starts with "**now**" which is used to conclude something hence, it will be the concluding statement and will come at the end of the rearrangement.
- Finally, **D** will come before **B**.
- Now we have the final arrangement i.e. **CADB**.

The chosen option is the same as the final arrangement hence, it will be correct.

Some common rules that help while solving the Para Jumbles:-

1. Read the paragraph **carefully** and try to **comprehend the idea or theme of the paragraph** and **eliminate the irrelevant options**.
2. Try to identify the opening (**Independent statement**) and closing statement (**Concluding statement**).
3. Try to **identify the mandatory pairs**. Two sentences can be connected through various connectors.
4. If a statement starts with **Pronoun**, find **the noun** for which the pronoun is used, both the statements containing **noun** and **pronoun** will form a pair respectively.

**Question 42 :**

Select the ANTONYM of the given word. HUMANE

Difficulty : Moderate

Average Time : 95 Seconds

Options :

1. Sympathetic
2. Living
3. Cruel
4. Kind

Solution :

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

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

1. **Sympathetic**- showing that you understand other people's feelings, especially their problems.
2. **Humane**- having or showing kindness or understanding, especially to a person or animal that is suffering.
3. **Living**- having or showing kindness or understanding, especially to a person or animal that is suffering.
4. **Cruel**- causing physical or mental pain or suffering to somebody/something.
5. **Kind**- a group whose members all have the same qualities.

As the chosen option expresses the opposite meaning of the given word it will be 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 number. When you enter a restaurant, you take your (1)_____ and you are served a glass of water. You take your (2)_____ to decide what you should order. When a (3)_____ appears, you ask him the routine question, "(4)_____ do you have?" The waiter will begin to recite (5)_____ day's menus, generally with nothing new in it, but you like to hear it all over again.

Question 43 :

Select the most appropriate option to fill in blank number (2).

Difficulty : Moderate

Average Time : 90 Seconds

Options :

1. place
2. time

pen

4. wallet

Solution :

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

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

1. **place**- a particular position or area.
2. **time**- a period of minutes, hours, days, etc.
3. **pen**- an object that you use for writing in ink.
4. **wallet**- a small, flat, folding case in which you keep paper money, plastic cards, etc.

The statement talks about "deciding" hence "**time**" will be suitable for the given blank.

Question 44 :

In the sentence identify the segment which contains the grammatical error. It's raining heavily, so you should take an umbrella, but you will get wet.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. It's raining heavily
2. but you will get wet
3. so you
4. should take an umbrella

Solution :

The correct answer is option 2 i.e. **but you will get wet**.

1. The error lies in this segment of the statement because of the wrong use of "**Conjunction**".
2. We need to replace "**But**" with "**else/otherwise**" for making the statement grammatically correct.

Grammatical Concept:-

- The given statement is not a contradictory statement while it contains a suggestion.
- As "**else/otherwise**" is used to express suggestion we need to replace "**but**" with "else/otherwise"
- Hence, the chosen option will be correct.

The correct sentence will be-



It's raining heavily, so you should take an umbrella, else/otherwise you will get wet.

Question 45 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. Labarotary
2. Presence
3. Absence
4. Definite

Solution :

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

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

1. **Laboratory**- a room or building that is used for scientific research, testing, experiments, etc. or for teaching about science.
2. **Presence**- the fact of being in a particular place.
3. **Absence**- a time when somebody is away from somewhere; the fact of being away from somewhere.
4. **Definite**- fixed and unlikely to change; certain.

As the chosen option is incorrectly spelt it will be the correct answer.

Question 46 :

Select the correct indirect form of the given sentence. Johnny's mother said, "Johnny, run down to the grocer's and get a loaf of French bread and a pound of cheddar cheese."

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. Johnny's mother pleaded with John to run down to the grocer's and get her a loaf of French bread and a pound of cheddar cheese.
2. Johnny asked his mother to run down to the grocer's and get a loaf of French bread and a pound of cheddar cheese.
3. Johnny's mother asked him to run down to the grocer's and get a loaf of French bread and a pound of cheddar cheese.



Johnny commanded his mother to go down to the grocer and buy a loaf of French bread and a pound of cheddar cheese.

Solution :

The correct answer is option 3 i.e. **Johnny's mother asked him to run down to the grocer's and get a loaf of French bread and a pound of cheddar cheese.**

- As the reported speech is in "**Imperative sentence**" we need to make changes according to this.
- There will be a change in the reporting verb and it will be changed into "asked".
- The inverted comma will be changed into "TO".

As all the rules are followed by the chosen option it will be correct.

Question 47 :

Select the most appropriate meaning of the following idiom. To take a back seat

Difficulty : Moderate

Average Time : 83 Seconds

Options :

1. To go through a short but unpleasant period of time
2. To be less successful in one's efforts
3. To lecture or criticise the person who is actually in control of something
4. To become less important or to give up control over things

Solution :

The correct answer is option 4 i.e. **To become less important or to give up control over things.**

The meaning of the given idiom is-

To take a back seat- to allow somebody to play a more important or active role than you do in a particular situation.

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

Question 48 :

In the sentence identify the segment which contains the grammatical error. The big ship sank and everyone abroad drowned.

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. The big ship



abroad drowned

3. and everyone

4. sank

Solution :

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

1. The error lies in **this segment** of the statement because of the wrong use of "**Form of the verb**".
2. We need to replace "**Drowned**" with "**was drowned**" for making the statement grammatically correct.

Grammatical Concept:-

- In the given statement "**everyone**" is not the doer but it is affected.
- Whenever a subject is affected we need to write that statement in the passive voice.
- So, "**Be + past participle**" structure will be used.
- Hence, the chosen option will be correct.

The correct sentence will be-

The big ship sank and everyone abroad was drowned.

Question 49 :

Select the word which means the same as the group of words given. Working very hard and very carefully

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. Indulgent
2. Dilatory
3. Indigent
4. Diligent

Solution :

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

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

1. **Indulgent**- allowing somebody to have or do whatever he/she wants.
2. **Dilatory**- "he had been dilatory in appointing a solicitor"
3. **Indigent**- suffering from extreme poverty.

Diligent- showing care and effort in your work or duties.

As the chosen option expresses the meaning of the given group of words it will be the correct answer.

Question 50 :

Select the most appropriate option to fill in the blank. Today's graduates should _____ their skills constantly to be able to excel in their careers and life.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. dilute
2. active
3. encourage
4. upgrade

Solution :

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

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

1. **dilute**- to make a liquid weaker by adding water or another liquid.
2. **active**- involved in activity; lively.
3. **encourage**- to give hope, support or confidence to somebody.
4. **upgrade**- to change something so that it is of a higher standard.

The meaning of the chosen has the same meaning as the statement hence, it will suit the statement.

The correct sentence will be-

Today's graduates should upgrade their skills constantly to be able to excel in their careers and life.

Question 51 :

Select the ANTONYM of the given word. EXTOL

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. Censure
2. Exposure



Realistic

4. Boorish

Solution :

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

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

1. **Censure**- to tell somebody, in a strong and formal way, that he/she has done something wrong.
2. **Extol**- praise enthusiastically.
3. **Exposure**- the act of making something public; the thing that is made public.
4. **Realistic**- sensible and understanding what it is possible to achieve in a particular situation.
5. **Boorish**- (used about people and their behaviour) very unpleasant and rude.

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

Question 52 :

Select the most appropriate meaning of the following idiom. To bark up the wrong tree

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. To sound or appear ferocious but not actually so
2. To do something that will not get the result you want
3. To cover oneself with the outer covering of a wrong tree
4. To make a sound like that of a dog

Solution :

The correct answer is option 2 i.e. **To do something that will not get the result you want.**

The meaning of the given idiom is-

To bark up the wrong tree- be pursuing a mistaken or misguided line of thought or course of action.

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

Question 53 :

Select the letter - cluster that can replace the question mark (?) in the following series. KQG, JTK, HXO, ECS, ?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

BIX

2. AIW

3. BIV

4. AHW

Solution :

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

Understanding

Given series: KQG, JTK, HXO, ECS, ?

KQG, JTK, HXO, ECS, ?

$(K - 1) (Q + 3) (G + 4) = JTK$

$(J - 2) (T + 4) (K + 4) = HXO$

$(H - 3) (X + 5) (O + 4) = ECS$

$(E - 4) (C + 6) (S + 4) = AIW$

AIW is the next term in the series.

Question 54 :

Four letter-cluster have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. KPUZ

2. BGLQ

3. OTYD

4. HMRV

Solution :

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

Understanding



1. $K + 5 = P + 5 = U + 5 = Z$

2. $B + 5 = G + 5 = L + 5 = Q$

3. $O + 5 = T + 5 = Y + 5 = D$

4. $H + 5 = M + 5 = R + 4 = V$

The correct answer is option 4.

Question 55 :

How many triangles are there in the given figure?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 24

2. 18

3. 22

4. 20

Solution :

The correct answer is **option 4** i.e **20**

Understanding

L E V A R T
+1 +2 +3 +4 +5 +6
M G Y E W Z

20 triangles: AQS; ACS; ABM; CBM; ACM;
DEM; FEM; DFM; GHM; IHM; GIM; JKM;
LKM; JLM; CMS; NOS; POS; PNS; POR;
SOR

Question 56 :

Select the letter that can replace the question mark (?) in the following series. O, B, L, C, I, D, F, E, ?

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

1. N
2. K
3. C
4. I

Solution :

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

Understanding

Given series: O, B, L, C, I, D, F, E, ?

L	E	V	A	R	T
↓+1	↓+2	↓+3	↓+4	↓+5	↓+6
M	G	Y	E	W	Z

Hence, the next alphabet will be **C**.

Question 57 :

If the following words are arranged as per their order in the English dictionary which of the following words will come third in the sequence? 1. Isomer 2. Isoline 3. Isotope 4. Isolate 5. Isologs 6. Isonomy

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Isologs
2. Isomer
3. Isolate
4. Isoline

Solution :

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

Understanding

In this question, we need to arrange the words in the correct dictionary order and find the word that would be in the 3rd place in the sequence.

So according to the dictionary, the arrangement is

1. **Isolate**
2. **Isoline**
3. **Isologs**
4. **Isomer**
5. **Isonomy**
6. **Isotope**

Hence **Isologs** is the third word.

Question 58 :

In a certain language, 'SERVANT' is coded as '192182211420'. How will 'MAGNIFY' be coded as in that language?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. 1316143522
2. 1417139625
3. 1317143625
4. 1426693625

Solution :

The correct answer is **option 3** i.e **1317143625**

Understanding

Application

<p>Each consonant is replaced by the positional value in the English alphabetical series and the vowels are given values as A = 1, E = 2, I = 3, O = 4, U = 5.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>S</td><td>E</td><td>R</td><td>V</td><td>A</td><td>N</td><td>T</td> </tr> <tr> <td>19</td><td>2</td><td>18</td><td>21</td><td>1</td><td>14</td><td>20</td> </tr> </table>	S	E	R	V	A	N	T	19	2	18	21	1	14	20	<p>Thus, the code for MAGNIFY will be:</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>M</td><td>A</td><td>G</td><td>N</td><td>I</td><td>F</td><td>Y</td> </tr> <tr> <td>13</td><td>1</td><td>7</td><td>14</td><td>3</td><td>6</td><td>25</td> </tr> </table> <p>Hence, the correct answer is 1317143625.</p>	M	A	G	N	I	F	Y	13	1	7	14	3	6	25
S	E	R	V	A	N	T																							
19	2	18	21	1	14	20																							
M	A	G	N	I	F	Y																							
13	1	7	14	3	6	25																							

Question 59 :

Select the option in which the numbers are related in the same way as are the numbers in the given set. (11, 165, 209)

Difficulty : Moderate

Average Time : 81 Seconds

Options :

1. (17, 245, 323)
2. (14, 210, 276)
3. (15, 225, 275)
4. (12, 180, 228)

Solution :

The correct answer is **option 4** i.e (12, 180, 228)

Understanding	Application
(11, 165, 209)	Similarly,
The logic is:	(12, 180, 228)
$11 \times 15 = 165$	$12 \times 15 = 180$
$11 \times 19 = 209$	$12 \times 19 = 228$

Question 60 :

The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1.
$$\begin{array}{cccccc} L & E & V & A & R & T \\ \downarrow +1 & \downarrow +2 & \downarrow +3 & \downarrow +4 & \downarrow +5 & \downarrow +6 \\ M & G & Y & E & W & Z \end{array}$$

2.
$$\begin{array}{cccccc} L & E & V & A & R & T \\ \downarrow +1 & \downarrow +2 & \downarrow +3 & \downarrow +5 & \downarrow +6 & \\ M & G & Y & E & W & Z \end{array}$$

3.
$$\begin{array}{cccccc} L & E & V & A & R & T \\ \downarrow +1 & \downarrow +2 & \downarrow +3 & \downarrow +4 & \downarrow +5 & \downarrow +6 \\ M & G & Y & E & W & Z \end{array}$$

4.
$$\begin{array}{cccccc} L & E & V & A & R & T \\ \downarrow +1 & \downarrow +2 & \downarrow +3 & \downarrow +5 & \downarrow +6 & \\ M & G & Y & E & W & Z \end{array}$$



Solution :

The correct answer is **option 3**

Understanding

When the paper is unfolded there will be four triangles and squares at the centre placed similarly. The four rectangles will be at the four corners of the square.

When the paper is unfolded it appears as shown below:

$$\begin{array}{cccccc} L & E & V & A & R & T \\ \downarrow +1 & \downarrow +2 & \downarrow +3 & \downarrow +4 & \downarrow +5 & \downarrow +6 \\ M & G & Y & E & W & Z \end{array}$$

Question 61 :

The total of the ages of Amit and Suvarna on 1 January 2015 is 61 years. Amit is three years younger than Survana. What

was the age of Suvarna on 1 January 2010?

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. 29 years
2. 32 years
3. 27 years
4. 24 years

Solution :

The correct answer is **option 3** i.e. **27 years**

Understanding

Age of Amit + 3 = Age of Suvarna

The total of the ages of Amit and Suvarna on 1 January 2015 = 61 years.

Age of (Amit + Suvarna) = 61 years

Age of (Amit + Amit + 3) = 61 years

Age of Amit = 29 years (in 2015)

Age of Suvarna on 1 January 2015 = Age of Amit + 3 = 29 + 3 = 32

Age of Suvarna on 1 January 2010 = 32 - 5 = **27 years**

Question 62 :

Select the correct mirror image of the given alphanumeric-cluster when a mirror is placed on the right side of the cluster.

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. $\begin{matrix} L & E & V & A & R & T \\ \downarrow +1 & \downarrow +2 & \downarrow +3 & \downarrow +4 & \downarrow +5 & \downarrow +6 \\ M & G & Y & E & W & Z \end{matrix}$

2.

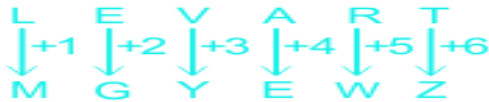
1. $\begin{matrix} L & E & V & A & R & T \\ \downarrow +1 & \downarrow +2 & \downarrow +3 & \downarrow +4 & \downarrow +5 & \downarrow +6 \\ M & G & Y & E & W & Z \end{matrix}$
3. $\begin{matrix} L & E & V & A & R & T \\ \downarrow +1 & \downarrow +2 & \downarrow +3 & \downarrow +4 & \downarrow +5 & \downarrow +6 \\ M & G & Y & E & W & Z \end{matrix}$
4. $\begin{matrix} L & E & V & A & R & T \\ \downarrow +1 & \downarrow +2 & \downarrow +3 & \downarrow +4 & \downarrow +5 & \downarrow +6 \\ M & G & Y & E & W & Z \end{matrix}$

Solution :

The correct answer is **option 1**

Understanding

The mirror image of the question figure is shown below:



Since the mirror is placed on the right side of the question figure, the right-hand side of the original image will now be the left-hand side of the mirror image, and vice versa.

Question 63 :

Four number - pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.

Difficulty : Moderate

Average Time : 78 Seconds

Options :

1. 21 : 437
2. 33 : 1085
3. 11 : 118
4. 35 : 1221

Solution :

The correct answer is **option 3** i.e. 11 : 118

Understanding

Let us see all the options:

1) $21 : 437$ $21 : (21)^2 - 4$

2) $33 : 1085$ $33 : (33)^2 - 4$

3) **$11 : 118$** **$11 : (11)^2 - 3$**

4) $35 : 1221$ $35 : (35)^2 - 4$

Hence **$11 : 118$** is odd.

Question 64 :

Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Non-violence
2. Truth
3. Hatred
4. Peace

Solution :

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

Understanding

Non-violence, truth and peace all signify positive and peaceful way of living.

Hatred is a negative trait. Thus, it is the odd one out.

Question 65 :

$A + B$ means 'A is the father of B'; $A - B$ means 'A is the sister of B'; $A \times B$ means 'A is the brother of B'; $A \div B$ means 'A is the mother of B'; If $U + H \times L - Q \div R - Y$, then how is L related to Y?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Maternal grandmother
2. Mother's brother
3. Mother's sister
4. Sister

Solution :

The correct answer is **option 3** i.e. **Mother's sister**

Understanding	Application
$U + H \times L - Q \div R - Y$ Following family tree diagram can be drawn: 	Thus, considering the figure, L is Y's mother's sister.

Question 66 :

Select the number that can replace the question mark (?) in the following series. 87, 89, 92, 97, 104, 115, ?, 145

Difficulty : Moderate

Average Time : 58 Seconds

Options :

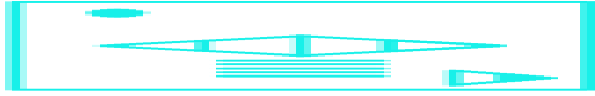
1. 133
2. 132
3. 125
4. 128

Solution :

The correct answer is **option 4** i.e **128**.

Understanding

Given series: 87, 89, 92, 97, 104, 115, ?, 145



The series has the addition of prime numbers.

$115 + 13 = 128$ is the next term in the series.

Question 67 :

Study the given pattern carefully and select the number that can replace the question mark (?) in it.

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 268
2. 164
3. 166
4. 162

Solution :

The correct answer is **Option 4** i.e **162**.

Understanding	Application
In the first column: $(28 \times 36) \div 4 = 1008 \div 4 = 252$	In the third column: $(36 \times 18) \div 4 = 648 \div 4 = 162$
In 2nd column: $(30 \times 32) \div 4 = 960 \div 4 = 240$	Hence 162 is correct.

Question 68 :

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

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1.
$$\begin{array}{cccccc} L & E & V & A & R & T \\ \downarrow +1 & \downarrow +2 & \downarrow +3 & \downarrow +4 & \downarrow +5 & \downarrow +6 \\ M & G & Y & E & W & Z \end{array}$$



3.
$$\begin{array}{cccccc} L & E & V & A & R & T \\ \downarrow +1 & \downarrow +2 & \downarrow +3 & \downarrow +4 & \downarrow +5 & \downarrow +6 \\ M & G & Y & E & W & Z \end{array}$$

4.
$$\begin{array}{cccccc} L & E & V & A & R & T \\ \downarrow +1 & \downarrow +2 & \downarrow +3 & \downarrow +4 & \downarrow +5 & \downarrow +6 \\ M & G & Y & E & W & Z \end{array}$$



Solution :

The correct answer is **option 4**

Understanding	Application
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<p>The logic followed here is:</p> <ol style="list-style-type: none">1. The number of horizontal lines increases by 1 at each step.2. The shaded region moves one position ahead at each step.3. The smaller circle moves along the corners in a clockwise direction.4. The triangles moves along the corners in a clockwise direction; it also rotates by 90° at each step.	<p>Hence, following this logic, the next image in the series should be option figure 4:</p> <p>L E V A R T ↓ +1 ↓ +2 ↓ +3 ↓ +4 ↓ +5 ↓ +6 M G Y E W Z</p>
---	--

Question 69 :

'Beverages' is related to 'Tea' in the same way as 'Medicine' is related to '_____':

Difficulty : Moderate

Average Time : 87 Seconds

Options :

1. Analgesics
2. Hospital
3. Doctor
4. Disease

Solution :

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

Understanding	Application
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Tea is a type of beverage.	Similarly, Analgesic is a type of drug.
----------------------------	--

Question 70 :

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of given conclusions logically follow(s) from the statements. Statements: 1. All prizes are medals. 2. Some prizes are certificates. Conclusions: I. Some certificates are prizes. II. Some medals are prizes. III. Some certificates are medals.

Difficulty : Moderate

Average Time : 60 Seconds

Options :

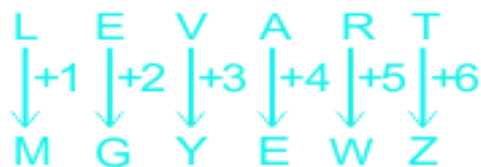
1. Only conclusions I and III follow.
2. Only conclusions II and III follow.
3. Only conclusions I and II follow.
4. All conclusions I, II and III follow.

Solution :

The correct answer is **option 4** i.e **All conclusions I, II and III follow.**

Understanding

The least possible Venn Diagram for the given statements is drawn below:

**Conclusions:**

I. Some certificates are prizes: **True** (Some prizes are certificates)

II. Some medals are prizes: **True** (All prizes are medals)

III. Some certificates are medals: **True** (All prizes are medals and some prizes are certificates)

Hence, **All conclusions I, II and III follow.**

Question 71 :

Select the dice that can be formed by folding the given sheet along the lines.

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. Only B, C and D
2. Only A and B
3. Only B and C
4. Only B and D

Solution :

The correct answer is **option 3** i.e **Only B and C**

Understanding

We need to check all the dice:

(A) 4 should be opposite 1, but in dice (A), 4 and 1 are adjacent to each other. Hence, dice (A) cannot be formed.

(B) 1, 3, and 6 are adjacent to each other. Hence dice (B) can be formed.

(C) 1, 6, and 5 are adjacent to each other. Hence dice (C) can also be formed.

(D) 2 should be opposite 6, but in dice (D), 2 and 6 are adjacent to each other. Hence dice (D) cannot be formed.

Thus, only dice (B) and (C) can be formed.

Question 72 :

The value of $-(5/2) + 3/2 \div 6 \times 1/2$ is equal to:

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. $-(9/8)$
2. $-(19/8)$
3. $-(1/3)$
4. $-(1/12)$

Solution :

The correct answer is **Option 2** i.e $-(19/8)$.

Understanding/Application

We will simplify the given by using the BODMAS rule -

$$= -(5/2) + 3/2 \div 6 \times 1/2$$

$$= [(-5/2) + \{(3/2) \div 6\} \times 1/2]$$



$$= [-5/2 + (1/4 \times 1/2)]$$

$$= [-5/2 + 1/8]$$

$$= (-20 + 1)/8$$

$$= -19/8$$

Question 73 :

Which two signs and two numbers should be interchanged to make the given equation correct? $17 + 11 - 12 \times 36 \div 6 = 80$

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

1. \times and $-$; 6 and 12
2. \times and $-$; 17 and 11
3. \times and $-$; 17 and 12
4. $+$ and $-$; 6 and 12

Solution :

The correct answer is **option 1** i.e. \times and $-$; 6 and 12

Understanding



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Let's check each option:

Option 1: x and - ; 6 and 12

Given : $17 + 11 - 12 \times 36 \div 6 = 80$

After interchanging it becomes;

$$17 + 11 \times 6 - 36 \div 12$$

$$17 + 11 \times 6 - 3$$

$$17 + 66 - 3$$

$$83 - 3$$

$$80$$

Option 2: x and - ; 17 and 11

Given : $17 + 11 - 12 \times 36 \div 6 = 80$

After interchanging it becomes;

$$11 + 17 \times 12 - 36 \div 6$$

$$11 + 204 - 6$$

$$209 - 6$$

Option 3: x and - ; 17 and 12

Given : $17 + 11 - 12 \times 36 \div 6 = 80$

After interchanging it becomes;

$$12 + 11 \times 17 - 36 \div 6$$

$$12 + 127 - 6$$

$$133 - 6$$

Option 4: + and - ; 6 and 12

Given : $17 + 11 - 12 \times 36 \div 6 = 80$

After interchanging it becomes;

$$17 - 11 + 6 \times 36 \div 12$$

$$17 - 11 + 6 \times 3$$

$$17 - 11 + 18$$

$$24 + 18$$

**Question 74 :**

A dealer sold 6 sewing machines for Rs.63,000 with a profit of 5%. For how much should he sell 8 machines if he intends to earn 15% profit?

Difficulty : Moderate**Average Time : 94 Seconds****Options :**

1. Rs.92,000
2. Rs.69,300
3. Rs.88,200
4. Rs.92,400

Solution :

The correct answer is **Option 1** i.e **Rs.92,000**.

Understanding/Application

The selling price of 6 sewing machine = Rs. 63,000

Profit = 5%

The cost price of 6 sewing machine =
 $(63000 \times 100)/105 = \text{Rs. } 60,000$

Cost price of 1 sewing machine = $60000/6 =$
Rs. 10,000

After a profit of 15% the selling price of 1
sewing machine = $(10000 \times 115)/100 = \text{Rs.}$
11,500

The selling price of 8 sewing machine = Rs.
 $11500 \times 8 = \text{Rs. } 92,000$

Question 75 :

In the figure, what is the value of cot?

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

17/18

2. 15/17

3. 8/15

4. 15/8

Solution :The correct answer is **Option 4** i.e **15/8**.**Understanding/Application**

$$\cot = \cos/\sin$$

$$\cos = b/h$$

$$\sin = p/h$$

$$p = 8 \text{ cm}$$

$$h = 17 \text{ cm}$$

$$b = \sqrt{h^2 - p^2}$$

$$b = \sqrt{17^2 - 8^2}$$

$$b = \sqrt{225}$$

$$b = 15 \text{ cm}$$

$$\cos = 15/17$$

$$\sin = 8/17$$

$$\cot = (15/17)/(8/17)$$

$$\cot = 15/8$$

Question 76 :

A person marked his goods at a price that would give him 40% profit. But he declared a sell and allowed 20% discount on the marked price. What is the profit percentage of the person in the whole transaction?

Difficulty : Moderate**Average Time : 65 Seconds****Options :**

32%

2. 20%

3. 12%

4. 30%

Solution :The correct answer is **Option 3** i.e **12%**.**Understanding/Application**

The cost price of good = Rs. 100

Profit = 40%

The selling price of the good = $(100 \times 140)/100 = \text{Rs. } 140$

Discount after sale = 20%

Selling price after sale = $(140 \times 80)/100 = \text{Rs. } 112$ Profit after sale = $112 - 100 = \text{Rs. } 12$ Profit percentage = $(12 \times 100)/100 = 12\%$ **Question 77 :**

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

Difficulty : Moderate**Average Time : 51 Seconds****Options :**1.

	L	E	V	A	R	T
	↓+1	↓+2	↓+3	↓+4	↓+5	↓+6
	M	G	Y	E	W	Z

2.

	L	E	V	A	R	T
	↓+1	↓+2	↓+3	↓+4	↓+5	↓+6
	M	G	Y	E	W	Z



Solution :

The correct answer is **option 1**

Understanding

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



Question 78 :

The number of students enrolled in different faculties in a school is as follows: Science Arts Commerce Vocational Boys Girls Boys Girls Boys Girls Boys Girls 35 18 25 47 45 40 10 30 The Percentage of students studying in Science or Vocational Subjects is:

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. 37.2%
2. 50%
3. 25%
4. 93%

Solution :

The correct answer is **Option 1** i.e **37.2%**.

Understanding/Application

Total number of students who enrolled = $(35 + 18 + 25 + 47 + 45 + 40 + 10 + 30) = 250$

Total students who enrolled for Science = $(35 + 18) = 53$

Total students who enrolled for Vocational = $(10 + 30) = 40$

Total students who enrolled for Science or Vocational = $(53 + 40) = 93$

Percentage = $(93 \times 100)/250 = 37.2\%$

Question 79 :

Select the option in which the words share the same relationship as that shared by the given pair of words. Calendar : Date

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Food : Vegetarian
2. Weight : Kilogram
3. Clock : Time
4. Class : Group

Solution :

The correct answer is **option 3** i.e. **Clock : Time**

Understanding	Application
Dates are seen in the calendar.	Similarly, Time is seen in the watch.

Question 80 :

In a certain code language, 'DEPEND' is written as 'EPHTJJ'. How will 'TRAVEL' be written as in that language?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. MGZEXZ
2. NGYFWZ
3. MGWEWY
4. MGYEWZ

Solution :

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

Understanding	Application
<p>The logic is to reverse the word given and add +1, +2 and so on from the left end.</p> <p>Code for DEPEND is EPHTJJ</p> <p>Reverse of DEPEND: DNEPED</p> <p> $\begin{array}{cccccc} L & E & V & A & R & T \\ \downarrow +1 & \downarrow +2 & \downarrow +3 & \downarrow +4 & \downarrow +5 & \downarrow +6 \\ M & G & Y & E & W & Z \end{array}$ </p>	<p>Thus, the code for the word TRAVEL will be:</p> <p>Reverse of TRAVEL: LEVART</p> <p> $\begin{array}{cccccc} L & E & V & A & R & T \\ \downarrow +1 & \downarrow +2 & \downarrow +3 & \downarrow +4 & \downarrow +5 & \downarrow +6 \\ M & G & Y & E & W & Z \end{array}$ </p> <p>Hence, the correct answer is MGYEWZ.</p>

Question 81 :

The value of $27a^3 - 2(2b^3)$ is equal to:

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. $(3a - (2b)) (9a^2 + 2b^2 + 6(2)ab)$
2. $(3a - (2b)) (9a^2 - 2b^2 - 3(2 ab))$

$$(3a - (2b) (9a^2 + 2b^2 + 3(2 ab)))$$

$$4. (3a - (2b)) (9a^2 - 2b^2 + 6(2)ab)$$

Solution :

The correct answer is **Option 3** i.e $(3a - 2b) (9a^2 + 2b^2 + 3(2 ab))$.

Understanding/Application

$$27a^3 - 22b^3$$

$$x = 3a, \text{ and } y = (2b)$$

$$x^3 - y^3 = (x - y) (x^2 + xy + y^2)$$

$$(3a)^3 - (2b)^3 = (3a - 2b) (9a^2 + 2b^2 + 3(2ab))$$

Question 82 :

The curved surface area of a hemisphere with radius 7 cm is: (Take $\pi = 22/7$)

Difficulty : Moderate**Average Time : 86 Seconds****Options :**

$$1. 385 \text{ cm}^2$$

$$2. 462 \text{ cm}^2$$

$$3. 308 \text{ cm}^2$$

$$4. 616 \text{ cm}^2$$

Solution :

The correct answer is **Option 3** i.e 308 cm^2 .

Understanding/Application

$$\text{Radius} = 7\text{cm}$$

$$\text{C.S.A of the Hemisphere} = 2r^2$$

$$\begin{aligned} \text{C.S.A of the hemisphere} &= (2 \times 22 \times 7 \times 7)/7 \\ &= 308 \text{ cm}^2 \end{aligned}$$

Question 83 :

The value of $(36 \div 42 \text{ of } 6 \times 7 + 24 \times 6 \div 18 + 3 \div (2 - 6) - (4 + 3 \times 2) \div 8) / (21 \div 3 \text{ of } 7)$ is:

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 7
2. $\sqrt[7]{\frac{1}{2}}$
3. $\frac{1}{7}$
4. $\sqrt[8]{\frac{1}{2}}$

Solution :

The correct answer is **Option 1** i.e 7.

Understanding/Application

$$\begin{aligned} &= (36 \div 42 \text{ of } 6 \times 7 + 24 \times 6 \div 18 + 3 \div (2 - 6) \\ &\quad - (4 + 3 \times 2) \div 8) / (21 \div 3 \text{ of } 7) \\ &= (36 \div 252 \times 7 + 24 \times 6 \div 18 + 3 \div (2 - 6) - \\ &\quad (4 + 3 \times 2) \div 8) / (21 \div 21) \\ &= [(36 \times \frac{1}{252} \times 7) + (24 \times 6 \times \frac{1}{18}) - (3 \times \\ &\quad \frac{1}{4}) - (10 \times \frac{1}{8})] \\ &= 1 + 8 - \frac{3}{4} - \frac{5}{4} \\ &= 1 + 8 - 2 \\ &= 7 \end{aligned}$$

Question 84 :

The value of $(\tan 30^\circ + \tan 60^\circ) / (\cos 30^\circ)$ is:

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. $(3) + 3$
2. $8/3$
3. $1 + (3)$
4. $8/(3)$

Solution :

The correct answer is **Option 2** i.e **8/3**.

Understanding/Application

$$= (\tan 30^{\circ} + \tan 60^{\circ}) / (\cos 30^{\circ})$$

$$= (1/\sqrt{3} + \sqrt{3}) / (\sqrt{3}/2)$$

$$= (\sqrt{3}/3 + \sqrt{3}) / (\sqrt{3}/2)$$

$$= [(\sqrt{3} + 3\sqrt{3})/3] / (\sqrt{3}/2)$$

$$= (4\sqrt{3}/3) / (\sqrt{3}/2)$$

$$= 8/3$$

Question 85 :

From the following Table, how many patients were in the age group 40-60? Age (years) less than 10 less than 20 less than 30 less than 40 less than 50 less than 60 less than 70 No. of patients 11 15 22 29 35 45 50

Difficulty : Moderate**Average Time : 65 Seconds****Options :**

1. 45
2. 6
3. 29
4. 16

Solution :

The correct answer is **Option 4** i.e **16**.

Understanding/Application			
Age	No. of patients (c.f.)	Class Interval	f
less than 10	11	0 - 10	11
less than 20	15	10 - 20	4
less than 30	22	20 - 30	7
less than 40	29	30 - 40	7
less than 50	35	40 - 50	6
less than 60	45	50 - 60	10
less than 70	50	60 - 70	5
			50

Number of patients in the age group of 40 - 50 = 6

Number of patients in the age group of 50 -60 = 10

Total patients in the age group of 40 - 60 = (10 + 6) = 16 patients

Question 86 :

As per data in the table, what is the percentage of students who got 20 or more marks? Scores 0-5 5-10 10-15 15-20 20-25 25-30 30-35 35-40 No. of students 13 15 18 12 14 19 6 3



Difficulty : Moderate

Average Time : 85 Seconds

Options :

1. 58%
2. 14%
3. 42%
4. 54%

Solution :

The correct answer is **Option 3** i.e 42%.

Understanding/Application
Number of students who got 20 or more marks = $14 + 19 + 6 + 3 = 42$
Total number of students = $13 + 15 + 18 + 12 + 14 + 19 + 6 + 3 = 100$
Thus, the required percentage = $(42 \times 100)/100 = 42\%$

Question 87 :

$$(a + b - c + d)^2 - (a - b + c - d)^2 = ?$$

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. $4a(b - d + c)$
2. $2a(a + b - c)$
3. $4a(b + d - c)$
4. $2a(b + c - d)$

Solution :

The correct answer is **Option 3** i.e $4a(b + d - c)$.

Understanding/Application

$$A^2 - B^2 = (A + B)(A - B)$$

$$A = (a + b - c + d) \text{ and } B = (a - b + c - d)$$

$$\begin{aligned} (A + B)(A - B) &= \{(a + b - c + d) + (a - b + c - d)\} \{(a + b - c + d) - (a - b + c - d)\} \\ &= (a + a + b - b - c + c + d - d)(a - a + b + b - c - c + d + d) \\ &= 2a(2b - 2c + 2d) \\ &= 4a(b + d - c) \end{aligned}$$

Question 88 :

In the given figure, AP and BP are tangents to a circle with centre O. If $\angle APB = 62^\circ$ then the measure of $\angle AQB$ is:

Difficulty : Moderate

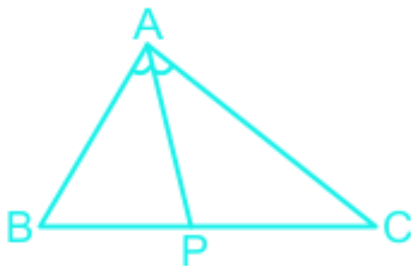
Average Time : 75 Seconds

Options :

1. 28°
2. 118°
3. 31°
4. 59°

Solution :

The correct answer is **Option 4** i.e 59° .



Understanding/Application

Since AP and BP are tangents to the circle with centre O:

$$PAO = PBO = 90^{\circ}$$

So,

$$APB + AOB = 180^{\circ}$$

$$62^{\circ} + AOB = 180^{\circ}$$

$$AOB = 180^{\circ} - 62^{\circ} = 118^{\circ}$$

The angle at the centre is twice the angle at the circumference:

$$2AQB = AOB$$

$$AQB = 118^{\circ}/2$$

$$AQB = 59^{\circ}$$

Question 89 :

In a circle with radius 5 cm, a chord is at a distance of 3 cm from the centre. The length of the chord is:

Difficulty : Moderate

Average Time : 95 Seconds

Options :

1. 7 cm
2. 3 cm
3. 8 cm
4. 4 cm

Solution :

The correct answer is **Option 3** i.e **8 cm**.

Understanding/Application



Length of radius = 5cm

Distance from the center = 3cm

Let the length of the chord be 'x' cm.

Also,

The shortest distance between any points is
the perpendicular between them.

Since its a perpendicular distance -

Using Pythagoras theorem -

$$5^2 = x^2 + 3^2$$

$$25 = x^2 + 9$$

$$x^2 = 16$$

$$x = \pm 4$$

On the other side it will also be 4 cm, since we
talk only of one side.

So, the length of the chord = $4 + 4 = 8$ cm

Since, Its length cannot be negative, so taking
it as positive.

Question 90 :

If $2 \sin^2 \theta - 8 \cos^2 \theta + 5 = 0$, $0 < \theta < 90^\circ$, then what is the value of $(\tan^2 \theta + \operatorname{cosec}^2 \theta)$?

Difficulty : Moderate**Average Time : 87 Seconds****Options :**

1. $5(3)/3$
2. $3(3)$
3. $2(3)$
4. $4(3)/3$

Solution :

The correct answer is **Option 1** i.e **5(3)/3**.

Understanding/Application

$$2\sin - 8\cos^2 + 5 = 0$$

$$2\sin - 8(1 - \sin^2) + 5 = 0$$

$$8\sin^2 + 2\sin - 3 = 0$$

$$8\sin^2 + 6\sin - 4\sin - 3 = 0$$

$$2\sin(4\sin + 3) - 1(4\sin + 3) = 0$$

$$(2\sin - 1)(4\sin + 3) = 0$$

$$\sin = 1/2, -3/4$$

-3/4 not possible since $(0, 90)$

$$\sin = 1/2 = 30^\circ$$

Thus, $\tan 2 + \operatorname{cosec} 2$

$$= \tan 60^\circ + \operatorname{cosec} 60^\circ$$

$$= \sqrt{3} + 2/\sqrt{3}$$

$$= 5/\sqrt{3}$$

$$= 5\sqrt{3}/3$$

Question 91 :

The average of five consecutive even number is M. If the next five even numbers are also included, the average of ten numbers will be:

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. $M + 5$
2. $M + 10$
3. 10

11

Solution :The correct answer is **Option 1** i.e **M + 5**.**Understanding/Application**

The average of 5 consecutive even number = M

Sum of the 5 numbers = 5M

Let the 1st number be x.

$$[x + (x + 2) + (x + 4) + (x + 6) + (x + 8) + (x + 10)]/5 = M$$

$$5x = 5M - 20$$

$$x = M - 4$$

Next 5 numbers are x + 10, x + 12, x + 14, x + 16, and x + 18.

On putting the value of x in these next 5 numbers -

$$M + 6, M + 8, M + 10, M + 12, M + 14$$

$$\text{Thus, the average of 10 numbers} = [5M + (M + 6) + (M + 8) + (M + 10) + (M + 12) + (M + 14)]/10$$

$$= (10M + 50)/10$$

$$= M + 5$$

Question 92 :

The table below shows income (in rupees) for a particular month, together with their sources in respect of 5 employees A, B, C, D, and E. Employee A B C D E Salary 52,000 48,500 42,000 31,000 25,000 Overtime 0 0 1,500 2,500 3,200 Arrears 5,500 4,500 4,000 3,000 1,500 Bonus 3,500 3,000 2,500 2,000 2,000 Miscellaneous income 5,000 3,000 2,000 1,500 0 Total 66,000 59,000 52,000 40,000 31,700 How many employees have their salary more than four times their other incomes?

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. 1

2. 4

3. 2

4. 3

Solution :

The correct answer is **Option 3** i.e 2.

Understanding/Application



Other incomes of A = $5500 + 3500 + 5000 =$
Rs. 14,000

4 times of the other income of A = (14000×4)
= Rs. 56000

Salary of A = Rs. 52000

Other incomes of B = $4500 + 3000 + 3000 =$
Rs. 10,500

4 times of the other income of B = (10500×4)
= Rs. 42000

Salary of B = Rs. 48500

Other incomes of C = $1500 + 4000 + 2500 +$
 $2000 =$ Rs. 10000

4 times of the other income of C = (10000×4)
= Rs. 40000

Salary of C = Rs. 42000

Other incomes of D = $2500 + 3000 + 2000 +$
 $1500 =$ Rs. 9,000

4 times of the other income of D = (9000×4)
= Rs. 36000

Salary of D = Rs. 31000

Other incomes of E = $3200 + 1500 + 2000 =$
Rs. 6700

4 times of the other income of E = (6700×4)
= Rs. 26800

Salary of E = Rs. 25000

2 employees(B and C) have their salary more
than 4 times of their other incomes.

Question 93 :

In the given figure, AP bisects BAC. If AB = 4 cm, AC = 6 cm and BP = 3 cm, then the length of CP is:

Difficulty : Moderate

Average Time : 82 Seconds

Options :

1. 5 cm
2. 3 cm
3. 7 cm
4. 4.5 cm

Solution :

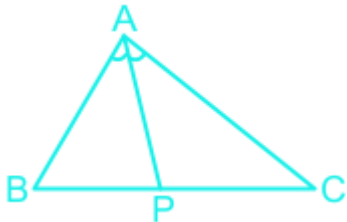
The correct answer is **Option 4** i.e **4.5 cm**.

Understanding/Application

Given:

AB = 4 cm, AC = 6 cm and BP = 3 cm

In $\triangle ABC$, AP is the bisector of A.



So,

$$CP/BP = AC/AB$$

$$CP/3 = 6/4$$

$$CP = (6 \times 3)/4$$

$$CP = 18/4$$

$$CP = 4.5 \text{ cm}$$

Question 94 :

A can finish a work in 20 days and B can finish the same work in 25 days. They began together, but B left the work after 5 days. How many more days will A take to finish the remaining work?



Difficulty : Moderate

Average Time : 82 Seconds

Options :

1. 21
2. 8
3. 16
4. 11

Solution :

The correct answer is **Option 4** i.e 11.

Understanding/Application

In one day A can complete $\frac{1}{25}$ of the work

In one day B can complete $\frac{1}{20}$ of the work

Together they can complete $\frac{1}{25} + \frac{1}{20}$ work
in one day

Hence in 5 days, they can complete $5 \times (\frac{1}{25} + \frac{1}{20})$ work
i.e. = $\frac{9}{20}$ work.

The remaining work is $1 - \frac{9}{20}$ work = $\frac{11}{20}$
work

Hence B can complete the remaining $\frac{11}{20}$
work in $(\frac{11}{20}) / (\frac{1}{20}) = 11$ days.

Question 95 :

What should replace * in the number $94*2357$, so that number is divisible by 11?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 8
2. 3



1

4. 7

Solution :The correct answer is **Option 2** i.e **3**.**Understanding/Application**

If the number $94*2357$ is divisible by 11 then the difference of sum of all alternative digits will be either 0 or divisible by 11

$$9 - 4 + * - 2 + 3 - 5 + 7 = 0$$

$$19 + * - 11 = 0$$

$$(*) = - 8$$

$$\text{or } * = 11 - 8 = 3$$

Question 96 :

Two numbers are in the ratio 5 : 7. If the first number is 20, then the second number will be:

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

1. 28

2. 18

3. 8

4. 22

Solution :The correct answer is **Option 1** i.e **28**.**Understanding/Application**

Numbers are in the ratio 5: 7.

First number = 20

Let the common ratio be x.

$$5x = 20$$

$$x = 4$$

$$\text{Second number} = 7x = 7 \times 4 = 28$$

Question 97 :

In ABC, if $AB = AC$ and $\angle BAC = 40^\circ$, then the measure of $\angle B$ is:

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 50°
2. 60°
3. 70°
4. 40°

Solution :

The correct answer is **Option 3** i.e. 70° .

Understanding/Application

$$AB = AC$$

Since the two sides of the triangle are equal it is an isosceles triangle.

Angles opposite to the equal sides of the isosceles triangle are equal.

$$\angle BAC = 40^\circ$$



Acc. to the triangle sum property:

$$x + x + 40^{\circ} = 180^{\circ}$$

$$2x = 140^{\circ}$$

$$x = 70^{\circ}$$

Hence,

$$B = 70^{\circ}$$

Question 98 :

Two racers run at a speed of 100 m/min and 120 m/min, respectively. If the second racer takes 10 minutes less than the first to complete the run, then how long is the race?

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

1. 1 km
2. 6 km
3. 2 km
4. 4 km

Solution :

The correct answer is **Option 2** i.e **6 km**.

Understanding/Application

The ratio of speeds of the racer = 100: 120 =
5: 6

The ratio of the time of the racers = 6: 5

Let the time be 6x and 5x.



$$\text{Difference in time} = 6x - 5x = x$$

$$x = 10 \text{ min}$$

$$6x = 6(10) = 60 \text{ min}$$

$$\text{Speed of the racer} = 100 \text{ m/min}$$

$$\text{Distance} = \text{speed} \times \text{time} = 100 \times 60 = 6000 \text{ m} \\ = 6 \text{ km}$$

Question 99 :

If the difference between 62% and 80% of a number is 198, then the difference between 92% and 56% of the number will be:

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

1. 396
2. 3564
3. 1100
4. 360

Solution :

The correct answer is **Option 1** i.e **396**.

Understanding/Application

Let the number be x .

Acc. to the question -

$$80\% \text{ of } x - 62\% \text{ of } x = 198$$

$$80x/100 - 62x/100 = 198$$

$$18x/100 = 198$$

$$x = (198 \times 100)/18$$

$$x = 1100$$

$$\begin{aligned} &= 92\% \text{ of } 1100 - 56\% \text{ of } 1100 \\ &= [(1100 \times 92)/100] - [(1100 \times 56)/100] \\ &= 1012 - 616 \\ &= 396 \end{aligned}$$

Question 100 :

The simple interest on a certain sum at the end of three years at 5% p.a. is Rs.1,200. The compound interest on the same sum for the same period at the same rate is (interest compounded yearly):

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

1. Rs.820
2. Rs.1,260
3. Rs.1,800
4. Rs.1,261

Solution :

The correct answer is **option 4** i.e **Rs.1,261**.

Understanding/Application

Rate = 5% p.a.

Time = 3 years

S.I. = Rs. 1200

S.I. = $(P \times R \times T)/100$

$A = P[1 + (R/100)]^T$

C.I. = A - P

$$P = (1200 \times 100)/(5 \times 3) = \text{Rs. } 8,000$$

$$\text{Amount} = \text{Rs. } 8000 \times [1 + (5/100)]^3 = \text{Rs. } 9261$$

$$\text{C.I.} = \text{Rs. } (9261 - 8000) = \text{Rs. } 1261$$

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2020-03-03 in the Evening exam is as follows:

1. 100 questions were moderate.
2. The safe score is 140 marks.
3. 25 questions were asked from Logical Reasoning, 25 questions were asked from English Language, 25 questions were asked from General Awareness and 25 questions were asked from Quantitative Aptitude
4. 26 questions should have been skipped if you were short of time.

Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

Logical Reasoning

1. Coding Decoding - 2
2. Analogy - 4
3. Classification - 3
4. Blood Relations - 1
5. Syllogism - 1
6. Venn Diagrams - 1
7. Dictionary Based - 1
8. Figure Based - 1
9. Matrix - 1
10. Paper-cutting, Folding, Punching - 1
11. Mirrors And Water Reflection - 1
12. Configuration, Fitting Pieces, Odd Pieces - 2
13. Series - 3
14. Mathematical Reasoning - 2



Data Sufficiency - 1

English Language

1. Cloze Test - 7
2. Spotting Error - 2
3. Parajumbles - 2
4. Idioms - 2
5. One Word Substitution - 2
6. Narration - 1
7. Voice - 1
8. Sentence Improvement - 2
9. Synonym - 1
10. Antonym - 2
11. Filler (Vocab) - 1
12. Incorrectly Spelt - 2
13. Incorrectly Spelt - 2

General Awareness

1. History - 5
2. Polity - 4
3. Science - 5
4. Geography - 3
5. GK Misc - 6
6. Current Affairs - 2

Quantitative Aptitude

1. Geometry - 4
2. Data Sufficiency - 21

Ssc Cgl Tier I Previous Year Question Paper Tips and 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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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.