

# 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 2020-03-04 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 :

Who was appointed as Managing Director of the International Monetary Fund in October 2019?

Difficulty : Moderate

Average Time : 42 Seconds

### Options :

1. Rodrigo Rato
2. Kristalina Georgieva
3. Christine Lagarde
4. Dominique Strauss-Kahn

### Solution :

The correct answer is **Option 2** i.e **Kristalina Georgieva**

1. The Executive Board of the International Monetary Fund (IMF) selected **Kristalina Georgieva** to serve as IMF Managing Director and Chair of the Executive Board for a five-year term starting on October 1, 2019.
2. Ms Georgieva, who succeeds Christine Lagarde, is the first person from an emerging market economy to lead the IMF since its inception in 1944.

### Question 2 :

Which Tennis star will have a Swiss coin minted in his/her honour?

Difficulty : Moderate

Average Time : 49 Seconds

### Options :

Rafael Nadal

2. Novak Djokovic

3. Roger Federer

4. Serena Williams

### Solution :

The correct answer is **Option 3** i.e **Roger Federer**

1. Tennis legend Roger Federer will become the first living person in Switzerland to have a coin minted in his honour.
2. The Federal Mint, Swissmint, has created a 20-franc silver coin bearing Federer's image.
3. It's the first time in its history that Swissmint has created a commemorative coin to honour a living person

### Question 3 :

Which of the following is NOT a twin city of India?

Difficulty : Moderate

Average Time : 50 Seconds

### Options :

1. Hubli and Dharwad
2. Cuttack and Bhubaneswar
3. Ahmedabad and Gandhinagar
4. Thrissur and Thiruvalla

### Solution :

The correct answer is **Option 4** i.e **Thrissur and Thiruvalla**

1. Twin cities are a special case of two cities or urban centres that are founded in close geographic proximity and then grow into each other over time.
2. Cities twinned geographically do not necessarily match demographically, economically, or politically.
3. Examples of twin cities in India are **Ahmedabad and Gandhinagar**, Gujarat; Kolkata and Howrah, West Bengal; Hyderabad and Secunderabad, Andhra Pradesh; Siliguri and Jalpaiguri, West Bengal; Durgapur and Asansol; **Hubli and Dharwad**, **Cuttack and Bhubaneswar** etc.

### Question 4 :



Freedom fighter Sucheta Kripalani, became the first woman chief minister of which state?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Uttar Pradesh
2. Gujarat
3. Andhra Pradesh
4. Rajasthan

Solution :

The correct answer is **Option 1** i.e **Uttar Pradesh**

1. Sucheta Kripalani was an Indian freedom fighter and politician.
2. She was India's first woman Chief Minister, serving as the head of the Uttar Pradesh government from 1963 to 1967.
3. She was elected as the first woman CM of state of Uttar Pradesh from the Kanpur constituency and was part of the sub-committee that drafted the Indian Constitution.
4. She later became a part of the subcommittee that laid down the charter for the constitution of India.

Question 5 :

In which period was the legendary Victoria Terminus station (currently Chhatrapati Shivaji Maharaj Terminus), Mumbai built?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 1843 to 1853
2. 1911 to 1921
3. 1878 to 1888
4. 1933 to 1943

Solution :

The correct answer is **Option 3** i.e **1878 to 1888**

1. The Chhatrapati Shivaji Terminus (formerly Victoria Terminus) is located in Mumbai on the Western Part of India touching the shores of the Arabian Sea.



2. This building, designed by F. W. Stevens, is spread across a 2.85-hectare area.
3. The terminal was built over a period of 10 years starting in 1878.

### Question 6 :

Which of the following is NOT a nationalised bank?

Difficulty : Moderate

Average Time : 47 Seconds

### Options :

1. State Bank of India
2. Punjab National Bank
3. Punjab and Sind Bank
4. United Bank of India

### Solution :

The correct answer is **Option 1** i.e **State Bank of India**

1. The State Bank of India is not included under the list of nationalized banks as it was already a state-owned financial institution in the country at the time of its inception.
2. Its headquarters is located in Mumbai, the financial capital of India.

### Question 7 :

Which part of the body is responsible for the manufacture of red blood cells?

Difficulty : Moderate

Average Time : 47 Seconds

### Options :

1. Heart
2. Lungs
3. Bone marrow
4. Brain

### Solution :

The correct answer is **Option 3** i.e. **Bone marrow**.

1. Red blood cells are formed in the red bone marrow of bones.
2. Stem cells in the red bone marrow called hemocytoblasts to give rise to all of the formed elements in the blood.



3. If a hemocytoblast commits to becoming a cell called a proerythroblast, it will develop into a new red blood cell.

**Question 8 :**

Georg Simon Ohm in whose honour we have the famous Ohm's Law, hailed from which country?

**Difficulty : Moderate**

**Average Time : 51 Seconds**

**Options :**

1. Russia
2. Spain
3. Germany
4. Poland

**Solution :**

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

1. Georg Simon Ohm was a German physicist and mathematician.
2. Georg Ohm, in full Georg Simon Ohm, discovered the law, named after him, which states that the current flow through a conductor is directly proportional to the potential difference (voltage).

**Question 9 :**

In which state did the second phase of Intensified Mission Indradhanush (IMI) 2.0 begin in January 2020?

**Difficulty : Moderate**

**Average Time : 44 Seconds**

**Options :**

1. Uttar Pradesh
2. Bihar
3. Punjab
4. Kerala

**Solution :**

The correct answer is **Option 1** i.e **Uttar Pradesh**

1. Intensified Mission Indradhanush 2.0: The second round of Intensified Mission Indradhanush 2.0 was launched at the block level in 35 districts of Uttar Pradesh on January 6, 2020.
2. The Intensified Mission Indradhanush 2.0 aims to immunize children under 2 years of age and pregnant women against



eight vaccine-preventable diseases.

**Question 10 :**

Jellyfish are an example of which type of phylum?

**Difficulty : Moderate**

**Average Time : 43 Seconds**

**Options :**

1. Phylum -Protozoa
2. Phylum -Ctenophora
3. Phylum –Porifera
4. Phylum – Cnidaria

**Solution :**

The correct answer is **Option 4** i.e **Phylum – Cnidaria**.

1. Jellyfish, any planktonic marine member of the class Scyphozoa (phylum Cnidaria), a group of invertebrate animals composed of about 200 described species, or of the class Cubozoa (approximately 20 species).

2. Cnidarians are soft-bodied animals that include corals, jellyfish, and sea anemones.

**Question 11 :**

Which US-based Indian topped the Forbes India's '20 people to watch in the 2020s' list?

**Difficulty : Moderate**

**Average Time : 47 Seconds**

**Options :**

1. Dushyant Chautala
2. Prashant Kishor
3. Hasan Minhaj
4. Mahua Moitra

**Solution :**

The correct answer is **Option 3** i.e **Hasan Minhaj**

1. A US-based political commentator and comedian Hassan Minhaj is on first position in the list, while Kenya's Marathon runner Eliud Kipchoge in on the 20th place.

2. Apart from Kanhaiya Kumar and Prashant Kishor, five Indians have also been ranked in this list.



3. These five Indians are - Aditya Mittal, The Godrej family, Dushyant Chautala, Mahua Moitra, Garima Arora.

**Question 12 :**

Methane is a colourless, odourless, non-toxic but flammable gas. What is its common name?

**Difficulty :** Moderate

**Average Time :** 51 Seconds

**Options :**

1. Blue vitriol
2. Laughing gas
3. Marsh gas
4. Heating gas

**Solution :**

The correct answer is **Option 3** i.e. **Marsh Gas**.

1. Methane is a colourless, odorless gas that occurs abundantly in nature and as a product of certain human activities.
2. Its chemical formula is  $\text{CH}_4$ .
3. It is also known as marsh gas or methyl hydride.

**Other Names of Methane:** Compressed gas; Methane, refrigerated liquid; Marsh gas

**Chemical Stability:** Normally stable.

**Conditions to Avoid:** Open flames, sparks, static discharge, heat and other ignition sources.

**Question 13 :**

Which city of India is known as 'The Athens of the East'?

**Difficulty :** Moderate

**Average Time :** 60 Seconds

**Options :**

1. Madurai
2. Kochi
3. Patna
4. Allahabad

**Solution :**

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

1. Madurai is known as 'The Athens of the East'.
2. It is an ancient city which was planned with the temple as its centre. Concentric rectangular streets surround the temple, symbolizing the structure of the cosmos.

**Greek Relation with Madurai:**

1. As early as the 3rd century BC, Megasthenes (a Greek ethnographer) visited Madurai. Later many people from Rome and Greece visited Madurai and established trade with the Pandya kings.
2. Athens had the Greek pantheon located at an elevated plane which could be seen from anywhere in the city. Similarly, Madurai had the lofty towers of Meenakshi Sundareswarar temple till concrete structures hid their view.

**Question 14 :**

Who chaired the sixth meeting of the Island Development Agency in New Delhi in January 2020?

Difficulty : Moderate

Average Time : 62 Seconds

**Options :**

1. Narendra Modi
2. Amit Shah
3. Nitin Gadkari
4. Nirmala Sitharaman

**Solution :**

The correct answer is **Option 2** i.e **Amit Shah**

1. The Union Home Minister, Shri Amit Shah, chaired the sixth meeting of the Island Development Agency (IDA).
2. The Island Development Agency reviewed the progress made towards the programme "Holistic development of islands".
3. For the first time in the country, under the guidance of IDA, an initiative of sustainable development in the identified Islands within scientifically-assessed carrying capacity has been taken-up.
4. Development Plans with a focus on the creation of jobs for the islanders through tourism promotion as well as the export of seafood and coconut-based products made in the Islands have been prepared and are being implemented in four islands of Andaman & Nicobar and five islands of Lakshadweep.
5. In the second phase, suitable sites in 12 more islands of Andaman & Nicobar Islands and 5 islands in Lakshadweep have been covered.

**Question 15 :**





Which pillar inscription has recorded the achievements of Samudra Gupta, who was known as the 'Napoleon of India' for his conquests?

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. Allahabad Pillar
2. Sun Pillar
3. Iron Pillar
4. Vijaya Stambha

Solution :

The correct answer is **Option 1** i.e. **Allahabad Pillar**.

- The **Allahabad Pillar inscription**, a prashasti (eulogy) was composed by his courtier Harishena, credits Samudra Gupta with extensive military conquests.
- It suggests that he defeated several kings of northern India, and annexed their territories to his empire.
- The inscription is a panegyric praising Samudragupta and lists the political and military achievements of his reign including his expeditions to the south.

Question 16 :

What is the term used to describe the development of a fruit without the process of fertilization?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Hybridogenesis
2. Apomixis
3. Gametogamy
4. Parthenocarp

Solution :

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

1. Parthenocarp is the development of a fruit without fertilization of seeds.
2. Another biological mechanism stenospERMOCARP also produces seedless fruits, but the seeds are actually aborted while they are still small.
3. In nature, Parthenocarp occurs as a mutation.



4. Some plants require pollination or simulation for parthenocarpy. This is known as Simulative Parthenocarpy.

**Question 17 :**

Who was chosen as foreign secretary of India in January 2020?

**Difficulty : Moderate**

**Average Time : 46 Seconds**

**Options :**

1. Harsh Vardhan Shringla
2. Vijay Keshav Gokhale
3. Ranjan Mathai
4. Nirupama Rao

**Solution :**

The correct answer is **Option 1** i.e **Harsh Vardhan Shringla**

1. Harsh V Shringla assumed charge as the 33rd Foreign Secretary of India on 29 January 2020.
2. He previously served as India's envoy to the United States, Bangladesh and Thailand.
3. The Foreign Secretary of India is the top diplomat of India and administrative head of the Ministry of External Affairs.

**Question 18 :**

Which Union Minister of Home Affairs released a book titled Karmayodha Granth in New Delhi?

**Difficulty : Moderate**

**Average Time : 49 Seconds**

**Options :**

1. P Chidambaram
2. Rajnath Singh
3. Sushilkumar Shinde
4. Amit Shah

**Solution :**

The correct answer is **Option 4** i.e **Amit Shah**

1. On 7<sup>th</sup> of January 2020 at New Delhi, India's Union Minister of Home Affairs, Amit Shah launched a book named '**Karmayoddha Granth**' on the life of Prime Minister Narendra Modi.
2. A 'Karmayoddha' is a man with a beating heart for people, a statesman, a hard taskmaster, an able administrator and an



ideal leader who leads by example.

**Question 19 :**

John Maynard Keynes, best known for his economic theories (Keynesian economics), hailed from which country?

**Difficulty : Moderate**

**Average Time : 53 Seconds**

**Options :**

1. Sweden
2. England
3. Australia
4. Denmark

**Solution :**

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

1. John Maynard Keynes, 1st Baron Keynes CB FBA, was a British economist whose ideas fundamentally changed the theory and practice of macroeconomics and the economic policies of governments.
2. John Maynard Keynes's most influential work was The General Theory of Employment, Interest and Money (1935–36).
3. His other works included Indian Currency and Finance (1913), The Economic Consequences of the Peace (1919), Treatise on Probability (1921), A Tract on Monetary Reform (1923), A Treatise on Money (1930), and many scholarly and journalistic articles.

**Question 20 :**

Who was the first Governor of Madhya Pradesh?

**Difficulty : Moderate**

**Average Time : 55 Seconds**

**Options :**

1. GP Singh
2. NN Wanchu
3. Dr. Sitaramayya
4. BD Sharma

**Solution :**

The correct answer is **Option 3** i.e **Dr Sitaramayya**



1. Shri B. P. Sitaramaiya was the first governor of Madhya Pradesh.
2. The first Governor of Madhya Pradesh Shri B. P. Sitaramaiya was administered the oath of office at the Vidhan Sabha.

### Relevant Information:

- The State of Madhya Pradesh came into existence on 01st November 1956.

### Question 21 :

In the sequence of planets in the solar system, which planet comes in between Mars and Saturn?

Difficulty : Moderate

Average Time : 48 Seconds

### Options :

1. Mercury
2. Venus
3. Jupiter
4. Uranus

### Solution :

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

1. Our solar system is made up of a star, eight planets, and countless smaller bodies such as dwarf planets, asteroids, and comets.
2. The inner, rocky planets are **Mercury, Venus, Earth and Mars**.
3. The outer planets are gas giants **Jupiter** and **Saturn** and ice giants **Uranus** and **Neptune**.

### Question 22 :

In which state has the Jawara Dance, a dance form to celebrate wealth, originated?

Difficulty : Moderate

Average Time : 49 Seconds

### Options :

1. Gujarat
2. Madhya Pradesh
3. Kerala
4. Rajasthan

### Solution :

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

1. Jawara dance originated from Madhya Pradesh state and is regarded as one of the best dance forms for any event or occasion.
2. This dance is enjoyed more and performed at prosperity time.
3. Also this dance was originally regarded as a peasant dance where both men and women love to dance at the time of good harvest reaping.
4. It is even found that this dance art is performed by women and men in colourful costumes.

**Question 23 :**

Who is the first Indian to bag two International hat-tricks in cricket?

**Difficulty : Moderate**

**Average Time : 54 Seconds**

**Options :**

1. Kuldeep Yadav
2. Rohit Sharma
3. Virat Kohli
4. Kedar Jadhav

**Solution :**

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

1. Spinner Kuldeep Yadav became India's first bowler to claim two international hat-tricks after striking three times on successive balls in the second one-day international against West Indies.
2. He achieved the feat during the second One-day International against the West Indies here.

**Question 24 :**

Which city in India is world-renowned for one of the most traditional embroidery styles, Chikankari?

**Difficulty : Moderate**

**Average Time : 45 Seconds**

**Options :**

1. Udaipur
2. Ahmedabad
3. Lucknow

## Hyderabad

### Solution :

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

1. Chikan is a traditional embroidery style from Lucknow, India.
2. Literally translated, the word means embroidery, and it is one of Lucknow's best-known textile decoration styles.
3. The market for local chikan is mainly in Chowk, Lucknow.

### Question 25 :

In which city was the Jhanda Satyagraha or Flag Satyagraha of 1923 held?

**Difficulty : Moderate**

**Average Time : 43 Seconds**

### Options :

1. Bombay
2. Nagpur
3. Ahmedabad
4. Calcutta

### Solution :

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

1. With the observance of the All India Flag Day on June 18, 1923, the Jhanda Satyagraha assumed a national complexion with Nagpur as its headquarters and "Nagpur Chalo" as its slogan.
2. In India, Flag (Jhanda) Satyagraha is a campaign of peaceful civil disobedience during the Indian independence movement that focused on exercising the right and freedom to hoist the nationalist flag.
3. It challenged the legitimacy of British Rule in India through the defiance of laws prohibiting the hoisting of nationalist flags and restricting civil freedoms.
4. Flag Satyagrahas were conducted most notably in the city of Nagpur in 1923 but also in many other parts of India.

### Question 26 :

The given table represents the revenue (in crores) of a company from the sale of four products A, B, C and D in 6 years. Study the table carefully and answer the question that follows. Year 2012 2013 2014 2015 2016 2017 A 98 94 80 95 110 115 B 74 96 92 84 98 86 C 82 98 96 88 93 103 D 74 102 92 93 97 102 By what percentage is the total revenue of the company from the sale of products A, B and D in 2012 and 2013 more than the total revenue from the sale of product B in 2013 to 2016? (correct to one decimal place)



Difficulty : Moderate

Average Time : 81 Seconds

Options :

1. 45.4
2. 31.2
3. 43.6
4. 44.5

Solution :

The correct answer is **Option 1** i.e **45.4**

Total revenue of the company from the sale of Product A, B and D in 2012 and 2013 = 246 + 292 = 538

Total revenue from the sale of product B from 2013 to 2016 = 370

Percentage more =  $[(538 - 370) / 370] \times 100$

= 45.4

Question 27 :

If  $a + b + c = 7$  and  $ab + bc + ca = -6$ , then the value of  $a^3 + b^3 + c^3 - 3abc$  is:

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. 463
2. 479
3. 472
4. 469

Solution :

The correct answer is **Option 4** i.e **469**

Given,  $a + b + c = 7$  (eqn 1)

&  $ab + bc + ca = -6$  (eqn 2)

Now, We know that,

$a^3 + b^3 + c^3 - 3abc = (a + b + c) [(a + b + c)^2 - 3(ab + bc + ca)]$  (Algebraic Identity)



$$= 7 \times [7^2 - 3(-6)]$$

$$= 7 \times 67$$

$$= 469$$

**Question 28 :**

The time taken by a boat to travel 13 km downstream is the same as the time taken by it to travel 7 km upstream. If the speed of the stream is 3 km/h, then how much time (in hours) will it take to travel a distance of 44.8 km in still water?

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

1.  $5\frac{2}{5}$

2.  $5\frac{3}{5}$

3.  $4\frac{12}{25}$

4.  $4\frac{13}{25}$

**Solution :**

The correct answer is **Option 3** i.e.  $4\frac{12}{25}$

Let the speed of Boat in still water be "x"

Then, Speed of boat downstream = (x + 3)

Speed of the boat upstream = (x - 3)

ATQ,

$$13 / (x + 3) = 7 / (x - 3)$$

$$13x - 39 = 7x + 21$$

$$6x = 60$$

$$x = 10$$

Now, time taken to travel a distance of 44.8 km =  $44.8 / 10$

$$= 4.48 = 4\frac{12}{25}$$



**Question 29 :**

The difference in the compound interest on a certain sum at 10% p.a. for one year, when the interest is compounded half-yearly and yearly, is 88.80. What is the simple interest on the same sum for 1 year and 8 months at the same rate?

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

1. Rs. 5920
2. Rs. 5980
3. Rs. 5986
4. Rs. 5916

**Solution :**

The correct answer is **Option 1** i.e **Rs. 5920**

Difference in the interest between yearly and half-yearly = 88.80

So,

$$P \times (5/100)^2 = 88.8$$

$$P \times 1/400 = 88.8$$

$$P = 8880 \times 4$$

$$= 35520$$

$$\text{S.I.} = (35520 \times 10 \times 5) / 300$$

$$= \text{Rs. } 5920$$

**Question 30 :**

A cylindrical vessel of radius 30 cm and height 42 cm is full of water. Its contents are emptied into a rectangular tub of length 75 cm and breadth 44 cm. The height (in cm) to which the water rises in the tub is:

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

1. 36
2. 45
3. 40



30

**Solution :**

The correct answer is **Option 1** i.e 36

Let the height to which the water rises be "h".

ATQ,

$$r^2H = l \times b \times h$$

$$.(30)^2.42 = 75 \times 44 \times h$$

$$h = ( \times 900 \times 42) / (75 \times 44)$$

$$h = 36 \text{ cm}$$

**Question 31 :**

The marked price of an article is 740. After two successive discount of 15% and x %, it is sold for 566.10. What is the value of x?

**Difficulty : Moderate**

**Average Time : 50 Seconds**

**Options :**

1. 5
2. 12
3. 20
4. 10

**Solution :**

The correct answer is **Option 4** i.e 10

Marked Price(M.P.) = Rs 740

Selling price(S.P.) after two successive discounts = Rs. 566.1

$$740 - 0.15 \times 740 = 629$$

Now,

$$629 - (x/100) \times 629 = 566.1$$

$$x = 10\%$$

**Question 32 :**



Two chords AB and CD of a circle are produced to intersect each other at a point P outside the circle. If AB = 7 cm, BP = 4.2 cm and PD = 2.8 cm, then the length of CD is:

Difficulty : Moderate

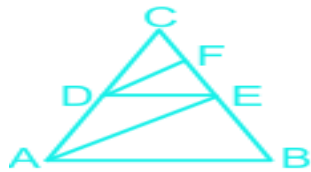
Average Time : 45 Seconds

Options :

1. 15.8 cm
2. 14.6 cm
3. 12 cm
4. 14 cm

Solution :

The correct answer is **Option 4** i.e **14 cm**



We know that,

$$BP \times AP = DP \times CP$$

$$4.2 \times 11.2 = 2.8 \times CP$$

$$CP = 16.8 \text{ cm}$$

So,

$$CD = CP - DP$$

$$= 16.8 - 2.8 = 14 \text{ cm}$$

**Question 33 :**

The given table represents the revenue (in crores) of a company from the sale of four products A, B, C and D in 6 years. Study the table carefully and answer the question that follows. Year 2012 2013 2014 2015 2016 2017 A 98 94 80 95 110 115 B 74 96 92 84 98 86 C 82 98 96 88 93 103 D 74 102 92 93 97 103 What is the ratio of the total revenue of the company in 2014 from the sale of all the four products to the total revenue from the sale of product C from 2014 to 2017?

Difficulty : Moderate

Average Time : 72 Seconds

Options :



7 : 10

2. 7 : 9

3. 14 : 23

4. 18 : 19

**Solution :**

The correct answer is **Option 4** i.e **18 : 19**

Total revenue of the company from the sale of all the products in 2014 = 360

Total revenue from the sale of product C from 2014 to 2017 = 380

Ratio = 360 / 380

= 18 : 19

**Question 34 :**

The ratio of boys and girls in a group is 7 : 6. If 4 more boys join the group and 3 girls leave the group, then the ratio of boys to girls become 4 : 3. What is the total number of boys and girls initially in the group?

**Difficulty : Moderate**

**Average Time : 46 Seconds**

**Options :**

1. 78

2. 104

3. 117

4. 91

**Solution :**

The correct answer is **Option 2** i.e **104**

Initially, the ratio of Boys : Girls = 7 : 6

After, 4 more boys join the group and 3 girls leave the group, the new ratio becomes 4 : 3

So, ATQ

$$(7x + 4) / (6x - 3) = 4 / 3$$

$$21x + 12 = 24x - 12$$

$$3x = 24$$

$$x = 8$$

Thus, the no of students initially =  $(7 + 6) \times 8$   
= 104

**Question 35 :**

PRT is a tangent to a circle with centre O, at the point R on it. Diameter SQ of the circle is produced to meet the tangent at P and QR is joined. If  $\angle QRP = 28^\circ$ , then the measure of  $\angle SPR$  is:

Difficulty : Moderate

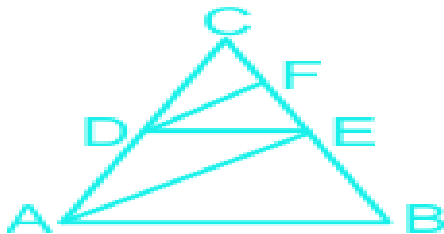
Average Time : 53 Seconds

**Options :**

1. 29
2. 34
3. 62
4. 32

**Solution :**

The correct answer is **Option 2** i.e 34



As,  $\angle QRP = 28^\circ$ ,  $\angle ORQ = 62^\circ = \angle RQO$

$$\angle QOR = 180^\circ - (62^\circ + 62^\circ) = 56^\circ$$

Now, in triangle POR,

$$\angle OPR = 180^\circ - (\angle POR + \angle ORP)$$

$$= 180^\circ - (56^\circ + 62^\circ + 28^\circ)$$

$$= 180^\circ - (146^\circ)$$

$$= 34^\circ$$

**Question 36 :**

If the 6- digit numbers  $x35624$  and  $1257y4$  are divisible by 11 and 72, respectively, then what can be the value of  $(5x - 2y)$ ?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 12
2. 10
3. 13
4. 14

Solution :

The correct answer is **Option 4** i.e **14**

For  $x35624$  to be divisible by 11,

$$3 + 6 + 4 - (x + 5 + 2) = 0$$

$$13 - x - 7 = 0$$

$$x = 6 \text{ -----}1$$

Now, for  $1257y4$  to be divisible by 72, it should be divisible by both 8 as well as 9.

$$\text{So, } y = 8/4 \text{ -----}2$$

From **1 & 2**

$$5x - 2y = 5 \times 6 - 2 \times 8 \text{ or } 5 \times 6 - 2 \times 4$$

$$= 30 - 16 \text{ or } 30 - 8$$

$$= 14 \text{ or } 22$$

**Question 37 :**

The value of  $[\tan^2 - \sin^2]/[2 + \tan^2 + \cot^2]$  is :

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1.  $\sec^4$
2.  $\cos^4$
3.  $\sin^6$

$\operatorname{cosec}^6$ **Solution :**The correct answer is **Option 3** i.e  $\sin^6$ 

$$\begin{aligned} & [\tan^2 - \sin^2] / [2 + \tan^2 + \cot^2] \\ &= [\sin^2 (1/\cos^2 - 1)] / [2 + \tan^2 + \cot^2] \\ &= [\sin^2 (\sec^2 - 1)] / [2 + \tan^2 + \cot^2] \\ &= (\sin^2 \cdot \tan^2) / (\tan + \cot)^2 \\ &= \sin^2 \cdot \tan^2 / (1/\sin^2 \cdot \cos^2) \\ &= \sin^6 \end{aligned}$$

**Question 38 :**

The given table represents the revenue (in crores) of a company from the sale of four products A, B, C and D in 6 years. Study the table carefully and answer the question that follows.

Year	2012	2013	2014	2015	2016	2017
A	98	94	80	95	110	115
B	74	96	92	84	98	86
C	82	98	96	88	93	103
D	74	102	92	93	97	103

The total revenue of the company from the sale of products B, C and D in 2014 is what percentage of the total revenue from the sale of products C and D in 6 years?

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

1. 25
2. 20
3. 28
4. 18

**Solution :**The correct answer is **Option 1** i.e **25**

Total revenue from the sale of products C and D = 560 + 561 = 1, 121

Total revenue from the sale of products B, C and D in 2014 = 280

$$(280 / 1121) \times 100 = 24.97 \approx 25$$

**Question 39 :**

The given table represents the revenue (in crores) of a company from the sale of four products A, B, C and D in 6 years. Study the table carefully and answer the question that follows.

Year	2012	2013	2014	2015	2016	2017
A	98	94	80	95	110	115
B	74	96	92	84	98	86
C	82	98	96	88	93	103
D	74	102	92	93	97	103



115 B 74 96 92 84 98 86 C 82 98 96 88 93 103 D 74 102 92 93 97 103 The number of years in which the revenue of the company from the sale of product D is more than the average revenue from the sale of product A over six years is:

**Difficulty : Moderate**

**Average Time : 54 Seconds**

**Options :**

1. 4

2. 3

3. 2

4. 1

**Solution :**

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

Average revenue from the sale of product A over six years is:

$$(98 + 94 + 80 + 95 + 110 + 115) / 6$$

$$= 98.67 \text{ crores}$$

Revenue of the company from the sale of product D in 2013 = 102

As the revenue from the sale of product D is more than the average revenue from the sale of Product A in 2013, the correct answer is 2 years.

**Question 40 :**

If  $30x^2 - 15x + 1 = 0$ , then what is the value of  $25x^2 + (36x^2) - 1$ ?

**Difficulty : Moderate**

**Average Time : 47 Seconds**

**Options :**

1.  $\frac{1}{5}(1+2\sqrt{3})$

2.  $\frac{1}{5}(1+2\sqrt{3})$

3.  $\frac{1}{5}(1+2\sqrt{3})$

4.  $\frac{1}{5}(1+2\sqrt{3})$

**Solution :**



The correct answer is **Option 2** i.e  $\frac{1}{3}(1+2\sqrt{3})$

Given,

$$30x^2 - 15x + 1 = 0 \text{ ----- eqn 1}$$

We need to find the value of  $(5x)^2 + (1/6x)^2$ . For this,

Dividing equation 1 by 6x, we get;

$$5x + (1/6x) = 5/2$$

Now,

$$(5x)^2 + (1/6x)^2 = (5/2)^2 - 2 \times 5 \times 1/6$$

$$= (25/4) - (5/3)$$

$$= 55/12$$

**Question 41 :**

In PQR, Q = 85° and R = 65°. Points S and T are on the sides PQ and PR respectively such that STR = 95° and the ratio of QR and ST is 9 : 5. If PQ is 21.6 cm, then the length of PT is :

**Difficulty : Moderate**

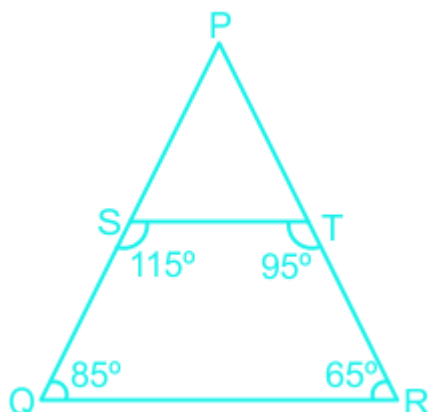
**Average Time : 82 Seconds**

**Options :**

- 1. 9 cm
- 2. 12 cm
- 3. 9.6 cm
- 4. 10.5 cm

**Solution :**

The correct answer is **Option 2** i.e **12 cm**



From the figure:

$$\angle PTS = 180 - 95 = 85^\circ$$

and

$$\angle PST = 180 - 115 = 65^\circ$$

So, In  $\triangle PST$  and  $\triangle PRQ$ :

$$\angle PST = \angle PRQ = 65^\circ$$

$$\angle PTS = \angle PQR = 85^\circ \text{ and}$$

$\angle P$  is common.

So,

$$\triangle PST \sim \triangle PRQ$$

Hence,

$$\frac{PT}{PQ} = \frac{ST}{RQ}$$

$$\frac{PT}{PQ} = \frac{5}{9}$$

$$PT = \left(\frac{5}{9}\right) \times 21.6 = 12 \text{ cm}$$

### Question 42 :

A and B, working together, can complete a work in  $d$  days. Working alone, A takes  $(8 + d)$  days and B takes  $(18 + d)$  days to complete the same work. A works for 4 days. The remaining work will be completed by B alone, in:

**Difficulty :** Moderate

**Average Time :** 69 Seconds

**Options :**



18 days

2. 20 days

3. 16 days

4. 24 days

**Solution :**

The correct answer is **Option 4** i.e **24 days**

We know,

A can do the work in  $(8 + d)$  days

B can do the same work in  $(18 + d)$  days

From this,  $d = (8 \times 18)^{1/2} = 144^{1/2} = 12$

So, A can do the work in  $(12 + 8)$  i.e 20 days & B can do the same work in  $(18 + 12)$  i.e 30 days.

Now, ATQ,

(A + B) can complete the work in 12 days.

So, taking LCM of A's work and B's work i.e 60, we get the total units of work to be done. From this, A's per day work as 3 units and B's per day work as 2 units.

Total work = 60 unit

Amount of work done by A in 4 days =  $3 \times 4 = 12$  units

Units of work left =  $60 - 12 = 48$

No of days required by B to complete the work =  $48 / 2 = 24$  days

**Question 43 :**

One-third of a good is sold at a 15% profit, 25% of the goods are sold at a 20% profit and the rest at a 20% loss. If the total profit of 138.50 is earned on the whole transaction, then the value (in Rs.) of the good is:

Difficulty : Moderate

Average Time : 81 Seconds

**Options :**

1. 7,756

2. 8,310



8,030

4. 8,587

**Solution :**

The correct answer is **Option 2** i.e **8,310**

Let the total units of good be 12

So, 4 units are sold at a profit of 15%, 3 units are sold at a profit of 20% and the rest i.e 5 units are sold at a loss of 20%.

Overall profit =  $(4 \times 15 + 3 \times 20 - 5 \times 20) / 12$

=  $20/12 = 5/3\%$  profit

Now, given that,

$5/3\%$  of  $x = 138.50$

$x = (138.50 \times 300) / 5$

= 8310

**Question 44 :**

The income of A is 60% less than that of B, and the expenditure of A is equal to 60% of B's expenditure. If A's income is equal to 70% of B's expenditure, then what is the ratio of the saving of A and B?

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

1. 4 : 7

2. 2 : 15

3. 3 : 8

4. 5 : 9

**Solution :**

The correct answer is **Option 2** i.e **2 : 15**

Let the income of B be "  $10x$ "

Then, the income of A =  $4x$

Let the expenditure of B be "  $y$ "

Now, According to the question,

$$4x = 0.7 \times y$$

$$y = 40x / 7 \text{ ----- eqn 1}$$

Given, A's expenditure =  $0.6 \times (40x) / 7$

$$= 24x / 7$$

A's savings =  $4x - (24x) / 7$

$$= 4x / 7$$

B's savings =  $10x - (40x) / 7$

$$= 30x / 7$$

Ratio of A's savings to B's savings = 2 : 15

**Question 45 :**

The average weight of some students in a class was 58.4 kg. When 5 students having an average weight of 62.8 kg joined the class, the average weight of all students in the class increase by 0.55 kg. The number of students initially in the class was:

Difficulty : Moderate

Average Time : 65 Seconds

**Options :**

1. 30

2. 25

3. 35

4. 40

**Solution :**

The correct answer is **Option 3** i.e **35**

Let the total no. of students initially be "N".

ATQ,

$$(A_1 + A_2 + \dots + A_N) / N = 58.4$$

So,  $A_1 + A_2 + \dots + A_N = 58.4 \times N$  ----- Equation 1

Now, the total weight of five new students =  $62.8 \times 5$

= 314 kg

Now, the new average of the whole class after the addition of five new students is :

$$(A_1 + A_2 + \dots + A_N + 314) / (N + 5) = 58.4 + 0.55$$

$$= 58.95$$

$$(58.4 N + 314) / (N + 5) = 58.95$$

$$314 - 294.75 = 0.55N$$

$$N = 35$$

**Question 46 :**

Select the ANTONYM of the given word. OBSOLETE

Difficulty : Moderate

Average Time : 59 Seconds

**Options :**

1. Recent
2. Remote
3. Outdated
4. Rigid

**Solution :**

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

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

1. **Obsolete**: no longer useful because something better has been invented.
2. **Recent**: that happened or began only a short time ago.
3. **Remote**: far away from where other people live.
4. **Outdated**: not useful or common anymore; old-fashioned.
5. **Rigid**: not able to or not wanting to change or be changed.

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

**Question 47 :**

The value of is :

Difficulty : Moderate

Average Time : 57 Seconds

**Options :**



$$3\frac{4}{5}$$

2.  $9\frac{1}{2}$

3.  $1\frac{9}{10}$

4.  $1\frac{4}{5}$

**Solution :**

The correct answer is **Option 3** i.e.  $1\frac{9}{10}$

$$\frac{1}{5}(1 + 2\sqrt{3})$$

$$= [11/12 \times 12/11 + (49/6 - 63/8 \times 20/189) \times 9/11] / (10 - 10 \times 1/2)$$

$$= [6 + (46/9 - 5/6) \times 9/11] / 5$$

$$= [6 + 77/18 \times 9/11] / 5$$

$$= [6 + 7/2] / 5$$

$$= [19/2] / 5$$

$$= 19/10 = 1\frac{9}{10}$$

**Question 48 :**

If  $P = \frac{1}{2}$ ,  $Q = \frac{1}{3}$  and  $R = \frac{1}{6}$ , then  $(P \times Q) \div R$  is equal to:

**Difficulty : Moderate**

**Average Time : 81 Seconds**

**Options :**

1. 2

2. 4

3.  $1/2$

4. 1

**Solution :**

The correct answer is **Option 3** i.e.  $1/2$



Given,

$$P = \frac{1}{5}(1 + 2\sqrt{3}), Q = \frac{1}{5}(1 + 2\sqrt{3}), R = \frac{1}{5}(1 + 2\sqrt{3})$$

$$\text{Now, } (P \times Q) \div R = [x.(x^3 - 8)] / [x.(x^2 - x - 2)] \times (x + 1)^2 / [(x - 5).(x + 1)] \times (x - 5) / [(x^2 + 2x + 4).2]$$

$$= 1/2 [(x - 2).(x^2 + 2x + 4).(x + 1) / (x - 2).(x + 1).(x^2 + 2x + 4)]$$

$$= 1/2$$

**Question 49 :**

The expression  $3\sec^2 45^\circ + \tan^6 45^\circ - \sec^6 45^\circ$  is equal to:

Difficulty : Moderate

Average Time : 65 Seconds

**Options :**

1. -1

2. 2

3. -2

4. 1

**Solution :**

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

In the equation, putting  $\theta = 45^\circ$

$$3 \sec^2 45^\circ \tan^2 45^\circ + \tan^6 45^\circ - \sec^6 45^\circ$$

$$3 \times 2 + 1 - 8$$

$$6 + 1 - 8$$

$$-1$$

**Question 50 :**

If,  $7\sin^2 \theta - \cos^2 \theta + 2\sin \theta = 2$ ,  $0^\circ < \theta < 90^\circ$ , then the value of  $\theta$  is :

Difficulty : Moderate

Average Time : 44 Seconds

**Options :**

1.  $\frac{1}{5}(1 + 2\sqrt{3})$





$$\frac{1}{5}(1 + 2\sqrt{3})$$

3.  $\frac{1}{5}(1 + 2\sqrt{3})$

4. 1

**Solution :**

The correct answer is **Option 2** i.e  $\frac{1}{5}(1 + 2\sqrt{3})$

Given,  $7\sin^2 - \cos^2 + 2\sin = 2$

So,  $7\sin^2 - (1 - \sin^2) + 2\sin - 2 = 0$

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

On solving the equation we get,  $\sin = 1/2$ , which means  $\theta = 30^\circ$ .

Now, Putting the value of  $\theta = 30^\circ$  in the required equation, we get

$$(\sec 60^\circ + \cot 60^\circ) / (\operatorname{cosec} 60^\circ + \tan 60^\circ)$$

$$(2 + 1/3) / (2/3 + 3)$$

$$(23 + 1) / 5$$

**Question 51 :**

In  $\triangle ABC$ , D and E are the points on sides AC and BC, respectively such that  $DE \parallel AB$ . F is a point on CE such that  $DF \parallel AE$ . If  $CE = 6$  cm, and  $CF = 2.5$  cm, then BC is equal to:

**Difficulty :** Moderate

**Average Time :** 81 Seconds

**Options :**

1. 14.4 cm

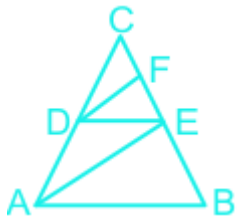
2. 15.6 cm

3. 12 cm

4. 14 cm

**Solution :**

The correct answer is **Option 1** i.e **14.4 cm**



Given;

$DE \parallel AB$  &  $DF \parallel AE$  &  $CE = 6$  cm and  $CF = 2.5$  cm

As we can see that in  $\triangle CDF$  and in  $\triangle CAE$ ,

$CD/CA = CF/CE$  (Similar triangle property)

So,

$$CD/CA = 2.5/6 \dots\dots\dots (1)$$

Now, In  $\triangle CDE$  and  $\triangle CAB$ ,

$CD/CA = CE/CB$  (Similar triangle property)

From equation 1:

$$2.5/6 = 6/BC \dots\dots\dots (2)$$

$$BC = (6 \times 6) / 2.5$$

$$BC = 14.4 \text{ cm}$$

**Question 52 :**

Select the CORRECTLY spelt word.

Difficulty : Moderate

Average Time : 67 Seconds

**Options :**

1. Embarasment
2. Encouragement
3. Conscinteous
4. Comotion

**Solution :**

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



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

1. **Embarrassment**- the feeling you have when you are embarrassed.
2. **Encouragement**- making you feel more confident or hopeful.
3. **Conscientious**- (used about people) careful to do something correctly and well.
4. **Commotion**- great noise or excitement.

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

**Question 53 :**

Select the most appropriate meaning of the given Idiom. The bee's knees

Difficulty : Moderate

Average Time : 55 Seconds

**Options :**

1. **Observant**
2. **Foolish**
3. **Problematic**
4. **Extraordinary**

**Solution :**

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

The meaning of the given idiom-

**The bee's knees**- an outstandingly good person or thing.

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

**Question 54 :**

Select the most appropriate word to fill in the blank. A reward is a \_\_\_\_\_ which motivates a person to achieve excellence in his field.

Difficulty : Moderate

Average Time : 45 Seconds

**Options :**

1. **monument**
2. **collection**
3. **recognition**



memorial

**Solution :**

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

1. **monument**- a type of structure that was explicitly created to commemorate a person or event,
2. **collection**- a group of objects of a particular type that somebody has collected as a hobby.
3. **recognition**- a public show of respect for somebody's work or actions.
4. **memorial**- something that is built or done to remind people of an event or a person.

Meaningfully the chosen option suits the statement as it is a fact that when you receive an award you get recognition.

**Hence, the chosen option will be correct.**

**Question 55 :**

Select the word which means the same as the given group of words. A sudden rush of a large number of frightened people or animals.

Difficulty : Moderate

Average Time : 65 Seconds

**Options :**

1. Scapegoat
2. Lunacy
3. Stampede
4. Recluse

**Solution :**

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

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

1. **Scapegoat**- a person who is blamed for the wrongdoings, mistakes, or faults of others, especially for reasons of expediency.
2. **Lunacy**- very stupid behaviour.
3. **Stampede**- a situation in which a large number of animals or people start running in the same direction, for example, because they are frightened or excited.
4. **Recluse**- a person who lives alone and who maintains very little contact with other people or society.

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

**Question 56 :**



Select the word which means the same as the given group of words. One who loads and unloads ships.

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Spinster
2. Rustic
3. Stevedore
4. Captain

Solution :

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

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

1. **Spinster**- a woman, especially an older woman, who has never been married.
2. **Rustic**- typical of the country or of country people; simple.
3. **Stevedore**- a person employed at a dock to load and unload ships.
4. **Captain**- the person who is in command of a ship or an aircraft.

As the chosen option expresses the meaning of the given group of words 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 blank. Discipline is doing any work with rules and regulations. It is (1)\_\_\_\_\_ misunderstood as a restriction to freedom but it makes our life organized. Discipline is a (2)\_\_\_\_\_ for students and people in different professions. A disciplined person always (3)\_\_\_\_\_ in each and every field of life. Disciplined people (4)\_\_\_\_\_ a disciplined society and a powerful nation. Discipline should not be (5)\_\_\_\_\_ upon the people, rather it should come from within.

Question 57 :

Select the most appropriate option for blank number (1)

Difficulty : Moderate

Average Time : 84 Seconds

Options :

1. happily
2. slowly
3. proudly



usually

**Solution :**

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

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

1. **happily**- in a happy way.
2. **slowly**- at a slow speed; not quickly.
3. **proudly**- with a feeling of pleasure or satisfaction over something.
4. **usually**- in the way that is usual; most often.

The given statement is contradictory as it contains "But" so, we need to understand that the statement is trying to generalise the fact of misunderstanding "Discipline". So, "usually" will be the appropriate answer.

**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 blank. Discipline is doing any work with rules and regulations. It is (1)\_\_\_\_\_ misunderstood as a restriction to freedom but it makes our life organized. Discipline is a (2)\_\_\_\_\_ for students and people in different professions. A disciplined person always (3)\_\_\_\_\_ in each and every field of life. Disciplined people (4)\_\_\_\_\_ a disciplined society and a powerful nation. Discipline should not be (5)\_\_\_\_\_ upon the people, rather it should come from within.

**Question 58 :**

Select the most appropriate option for blank number (2)

Difficulty : Moderate

Average Time : 88 Seconds

**Options :**

1. **virtue**
2. **disadvantage**
3. **curse**
4. **dream**

**Solution :**

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

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



**virtue**- behaviour that shows high moral standards.

2. **disadvantage**- something that may make you less successful than other people.

3. **curse**- a word used for expressing anger; a swear word.

4. **dream**- a series of events or pictures which happen in your mind while you are asleep.

In the given statement, it is trying to show the positivity of "Discipline" hence, we need to use a positive word.

Among the options, we have only one option in a positive tone, hence 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 blank. Discipline is doing any work with rules and regulations. It is (1) \_\_\_\_\_ misunderstood as a restriction to freedom but it makes our life organized. Discipline is a (2) \_\_\_\_\_ for students and people in different professions. A disciplined person always (3) \_\_\_\_\_ in each and every field of life. Disciplined people (4) \_\_\_\_\_ a disciplined society and a powerful nation. Discipline should not be (5) \_\_\_\_\_ upon the people, rather it should come from within.

### Question 59 :

Select the most appropriate option for blank number (3).

Difficulty : Moderate

Average Time : 90 Seconds

### Options :

1. **successful**
2. **succeed**
3. **succeeds**
4. **success**

### Solution :

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

1. **successful** (Adjective)- having achieved what you wanted; having become popular, rich, etc.
2. **succeed** (Plural verb)- to manage to achieve what you want; to do well.
3. **succeeds** (Singular verb)- to manage to achieve what you want; to do well.
4. **success** (Noun)- the thing that you achieve; something that becomes very popular.

In the given statement, we need a verb as there is a subject before the blank space.

Among the options, we have verbs in options 3 & 4, but the subject is in the singular form. So, the singular verb "succeeds"

will be an appropriate choice.

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 blank. Discipline is doing any work with rules and regulations. It is (1)\_\_\_\_\_ misunderstood as a restriction to freedom but it makes our life organized. Discipline is a (2)\_\_\_\_\_ for students and people in different professions. A disciplined person always (3)\_\_\_\_\_ in each and every field of life. Disciplined people (4)\_\_\_\_\_ a disciplined society and a powerful nation. Discipline should not be (5)\_\_\_\_\_ upon the people, rather it should come from within.

**Question 60 :**

Select the most appropriate option for blank number (4)

Difficulty : Moderate

Average Time : 91 Seconds

**Options :**

1. made
2. make
3. had made
4. makes

**Solution :**

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

- The given statement is a general truth or fact hence, we need to keep this in Simple Present Tense.
- As the subject is plural we need to choose a plural verb as our answer.
- The chosen option is a plural verb hence, 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 blank. Discipline is doing any work with rules and regulations. It is (1)\_\_\_\_\_ misunderstood as a restriction to freedom but it makes our life organized. Discipline is a (2)\_\_\_\_\_ for students and people in different professions. A disciplined person always (3)\_\_\_\_\_ in each and every field of life. Disciplined people (4)\_\_\_\_\_ a disciplined society and a powerful nation. Discipline should not be (5)\_\_\_\_\_ upon the people, rather it should come from within.

**Question 61 :**

Select the most appropriate option for blank number (5).





Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. adorned
2. Imposed
3. reposed
4. curbed

Solution :

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

1. **adorned**- to add something in order to make a thing or person more attractive or beautiful.
2. **Imposed**- to make a law, rule, opinion, etc. be accepted by using your power or authority.
3. **reposed**- to be in a particular place.
4. **curbed**- to limit or control something, especially something bad.

As the statement concludes that "**Discipline**" should come from within it means that it should not be imposed on the people in the form of law or opinion.

The chosen option shows the meaning "to make a law, rule," so, it will suit the paragraph.

Hence, the chosen option will be the correct answer.

Question 62 :

Select the ANTONYM of the given word. DEROGATORY

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. Complimentary
2. Insulting
3. Depreciating
4. Intricate

Solution :

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

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



- Derogatory**- expressing a lack of respect for, or a low opinion of something.
2. **Complimentary**- showing that you think somebody/something is very good.
  3. **Insulting**- making somebody feel offended.
  4. **Depreciating**- to become less valuable over a period of time.
  5. **Intricate**- having many small parts or details put together in a complicated way.

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

**Question 63 :**

Select the SYNONYM of the given word. ACKNOWLEDGE

Difficulty : Moderate

Average Time : 60 Seconds

**Options :**

1. Elimination
2. Compensation
3. Confusion
4. Confirmation

**Solution :**

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

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

1. **Acknowledge**- the act of showing that you have seen or noticed somebody/something.
2. **Elimination**- the act of discharging or excreting waste products from the body.
3. **Compensation**- money that you pay to somebody because you have injured him/her or lost or damaged his/her property.
4. **Confusion**- the state of not being able to think clearly or not understanding something.
5. **Confirmation**- verification or final proof of something.

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

**Question 64 :**

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'. No effort has been made by the Indian cricket team to cash off on its vibrant image in the World Cup.

Difficulty : Moderate

Average Time : 74 Seconds

**Options :**



to cash in on

2. to cash up on
3. for cash through in
4. for cashing off on

**Solution :**

The correct answer is option 1 i.e. **to cash in on**.

- **to cash in on**- take advantage of or exploit a situation.
- Only the chosen option is a correct form of phrasal verb hence, it will be the correct answer.

The correct sentence will be-

**No effort has been made by the Indian cricket team to cash in on its vibrant image in the World Cup.**

**Question 65 :**

Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order. A. This is because of its aroma, flavour and variety in the market. B. Thus, it leads to poor health and mental disorders among children. C. Children, as well as teenagers, are tempted towards junk food. D. It has no or negligible nutritional value and high content of sugar and salt.

Difficulty : Moderate

Average Time : 69 Seconds

**Options :**

1. BCDA
2. ACDB
3. CDAB
4. CADB

**Solution :**

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

- **The easiest way of solving the para jumble is to find a pair of statements or opening statement.**
- "Children & teenagers" is the matter of talking in the given paragraph hence, the statement talking about it will be the first statement.
- Statement A is a piece of complementary information about "Junk food" hence, we need to keep it after statement C.
- Statement D adds more about the "Junk food" hence, it will follow A.



Finally, B will be the last statement.

- Now we have the final arrangement i.e. **CADB**.

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

**Question 66 :**

Select the SYNONYM of the given word. PRODIGAL

Difficulty : Moderate

Average Time : 64 Seconds

**Options :**

1. Minor
2. Respectful
3. Boastful
4. Extravagant

**Solution :**

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

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

1. **Prodigal**- spending money freely and rather wastefully.
2. **Extravagant**- spending or costing too much money.
3. **Minor**- lesser in importance, seriousness, or significance.
4. **Respectful**- feeling or showing deference and respect.
5. **Boastful**- showing excessive pride and self-satisfaction in one's achievements, possessions, or abilities.

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

**Question 67 :**

In the sentence identify the segment which contains the grammatical error. Those who follow a healthy routine is likely to enjoy good health.

Difficulty : Moderate

Average Time : 62 Seconds

**Options :**

1. is likely to enjoy
2. a healthy routine
3. Those who follow



good health

**Solution :**

The correct answer is option 1 i.e. **is likely to enjoy**.

1. The error lies in this segment of the statement because of the Incorrect usage of "**Subject-Verb Agreement**".
2. We need to replace "**Is**" with "**Are**" for making the statement grammatically correct.

**Grammatical concept:-**

- As the subject of the given verb is plural we need to use the plural verb for that subject.
- **Subject singular - Verb singular.**
- **Subject plural - Verb plural.**
- The subject in the given statement is "those" that represent a plural noun hence, the plural verb will make it correct.

The correct sentence will be-

**Those who follow a healthy routine are likely to enjoy good health.**

**Question 68 :**

Select the most appropriate word to fill in the blank. The government should take stringent steps against terrorists and foil their \_\_\_\_\_ designs.

**Difficulty : Moderate**

**Average Time : 75 Seconds**

**Options :**

1. benevolent
2. conducive
3. malicious
4. exemplary

**Solution :**

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

1. **benevolent**- kind, friendly and helpful to others.
2. **conducive**- helping or making something happen.
3. **malicious**- having or showing a desire to cause harm to someone.
4. **exemplary**- very good; that can be an example to other people.

Terrorists are always harmful to society and in the given statement we need to take stringent action against their malicious design.



Here, we need a negative word and in the given option we have only one negative word that is the chosen option.

It has the same meaning as the given statement hence, it will be correct for the given blank.

**Question 69 :**

Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order. A. They can then purchase them at subsidized rates with additional loan facilities. B. It will import technologically advanced medical instruments and provide them to entrepreneurs. C. The Indian Government has announced certain facilities in the budget session. D. This will help in strengthening the economic condition of entrepreneurs.

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

1. DCAB
2. CADB
3. BDCA
4. CBAD

**Solution :**

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

- **The easiest way of solving the para jumble is to find a pair of statements or opening statement.**
- Statement C introduces the paragraph as it starts with a noun hence, it will be the opening statement.
- Statement B is complementary information about "the budget session" hence, it will come after C.
- Statement A is talking about the result of statement B hence, it will come after B.
- Finally, D will be the last statement.
- Now we have the final arrangement i.e. **CBAD**.

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

**Question 70 :**

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'. The mathematical calculation of this problem is easy than a previous one.

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

1. easier than the
2. easiest than the



easy than the

#### 4. No Improvement

#### Solution :

The correct answer is option 1 i.e. **easier than the**.

- As there is "**than**" in the statement which makes it clear that the statement will be in the comparative degree.
- Only the chosen option has the adjective in comparative form hence, it will improve the statement correctly.

The correct sentence will be-

**The mathematical calculation of this problem is easier than the previous one.**

#### Question 71 :

Select the correct passive form of the given sentence. His elder sister taught him English.

Difficulty : Moderate

Average Time : 53 Seconds

#### Options :

1. His elder sister is taught English by him.
2. He has been taught English by his elder sister.
3. He was taught English by his elder sister.
4. He is being taught English by his elder sister

#### Solution :

The correct answer is option 3 i.e. **He was taught English by his elder sister**.

**Active voice-** Subject + v2 + object + other words.

**Passive voice -** Object + was/were + v3 + by + subject + other words.

**As the chosen option follows this structure it will be correct.**

#### Question 72 :

Select the most appropriate meaning of the given idiom. To throw a fit

Difficulty : Moderate

Average Time : 51 Seconds

#### Options :

1. Express extreme anger

Faint and fall down

3. Caution someone about fitness

4. Become unconscious

### Solution :

The correct answer is option 1 i.e. **Express extreme anger.**

The meaning of the given idiom-

**To throw a fit-** be very shocked or angry.

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

### Question 73 :

In the sentence identify the segment which contains the grammatical error. When I reached the cinema hall, the movie had already began.

Difficulty : Moderate

Average Time : 47 Seconds

### Options :

1. the movie had
2. When I reached
3. the cinema hall
4. already began

### Solution :

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

1. The error lies in this segment of the statement because of the Incorrect use of the "**Form of the verb**".
2. We need to replace "**Began**" with "**Begun**" for making the statement grammatically correct.

### Grammatical concept:-

- The perfect tense is always followed by the past participle form of the verb.
- The given statement has one part in past perfect tense where we have to use "**had + past participle**" for making the statement grammatically correct.
- The past participle form of "begin" is "begun".

The correct sentence will be-

**When I reached the cinema hall, the movie had already begun.**





Hence, the chosen option is correct.

**Question 74 :**

Select the correct indirect form of the given sentence. The teacher said to me, "You have not submitted the assignment."

Difficulty : Moderate

Average Time : 76 Seconds

**Options :**

1. The teacher said me that I had not submitted the assignment.
2. The teacher told me that I had not submitted the assignment.
3. The teacher said to me that I have not submitted the assignment.
4. The teacher told to me that I have not submitted that assignment.

**Solution :**

The correct answer is option 2 i.e. **The teacher told me that I had not submitted the assignment.**

- As the reported speech is an "Assertive sentence" we need to make changes according to this.
- There will be a change in the reporting verb and it will be changed into "**told**".
- The inverted comma will be changed into "**that**".
- Tense of the reported speech will be changed into "**Past Perfect Tense**".

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

**Question 75 :**

Select the CORRECTLY spelt word.

Difficulty : Moderate

Average Time : 67 Seconds

**Options :**

1. Employeed
2. Rehersal
3. Veterinary
4. Seperable

**Solution :**

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

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

**Employed-** to be paid by somebody for work.

2. **Rehearsal-** the time when you practice a play, dance, piece of music, etc. before you perform it to other people.

3. **Veterinary-** connected with the medical treatment of sick or injured animals.

4. **Separable-** able to be separated.

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

### Question 76 :

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

Difficulty : Moderate

Average Time : 58 Seconds

### Options :



### Solution :

The correct answer is **option 1**

Understanding

1) The numbers inside the triangle follow this series: +4, +4, +6, +6

2) The triangles follow the following order: Equilateral triangle, Right-angled triangle, Equilateral triangle, Right-angled triangle, and so on.

3) The first equilateral triangle is vertically inversed to get the second equilateral triangle, the second is inversed to get the third, and so on.

4) The first Right-angled triangle is getting horizontally inversed to get the second Right-angled triangle, the second is horizontally inversed to get the third, and so on.



Hence, the next figure will be

**Question 77 :**

Three different positions of the same dice are shown. Select the symbol that will be on the face opposite to the one showing '@'.

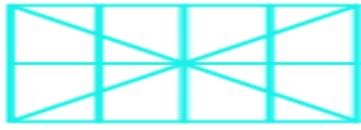
**Difficulty : Moderate****Average Time : 87 Seconds****Options :**

1. !
2. @
3. &
4. #

**Solution :**

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

**Understanding****Application**

 <p>In this type of question, we pick the common side and go in a clockwise direction in both positions.</p> <p>In cases like this where we have three positions of the dice, we choose those two positions where there is only one common side.</p> <p>2nd position: &amp; @ *</p> <p>3rd position: &amp; #</p>	<p>We can see that the side opposite '@' is '#'</p>
--	---

### Question 78 :

Select the option that is related to the third number in the same way as the second number is related to the first number. 6 : 252 :: 5 : ?

Difficulty : Moderate

Average Time : 68 Seconds

### Options :

1. 150
2. 175
3. 225
4. 125

### Solution :

The correct answer is **option 1** i.e **150**

Understanding	Application
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Given analogy 6 : 252 : : 5 : ? $6^3 + 6^2 = 216 + 36 =$ <b>252</b>	Similarly, $5^3 + 5^2 = 125 + 25$ <b>= 150</b>
--	--

**Question 79 :**

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 the given conclusions logically follow(s) from the statements. Statements: 1. All cars are trucks. 2. Some buses are cars. Conclusions: I. All cars are buses. II. Some buses are trucks. III. All trucks are buses.

Difficulty : Moderate

Average Time : 61 Seconds

**Options :**

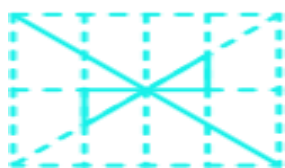
1. Only conclusion II follows
2. Only conclusions II and III follow
3. Only conclusion I follows
4. Only conclusions I and III follow

**Solution :**

The correct answer is **option 1** i.e **Only conclusion II follows**.

**Understanding**

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



## Understanding

### Conclusions:

I. All cars are buses: **False** (This is possible but not definite).

II. Some buses are trucks: **True** (All cars are trucks and some cars are buses)

III. All trucks are buses: **False** (This is possible but not definite)

Hence, **Only Conclusion II follows.**

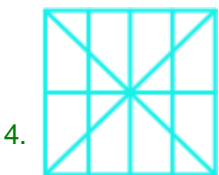
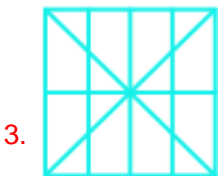
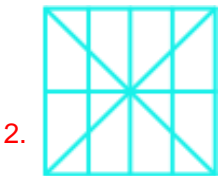
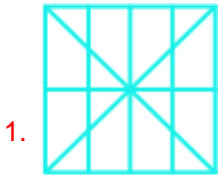
### Question 80 :

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

Difficulty : Moderate

Average Time : 74 Seconds

### Options :



**Solution :**

The correct answer is **option 4**

**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 4 is correct.

**Question 81 :**

In a certain code language, PYTHON is written as LMFRWN. How will RHYTHM be written as in that language?

**Difficulty :** Moderate

**Average Time :** 81 Seconds

**Options :**

1. KFRWFP
2. NFRWFS
3. MFRWFT
4. MFRWFX

**Solution :**

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

**Understanding****Application**

The word is first reversed, and then the following logic is applied:	Similarly, the reverse of RHYTHM is MHTYHR
The reverse of PYTHON is NOHTYP	M - 2 = K
N - 2 = L	H - 2 = F
O - 2 = M	T - 2 = R
H - 2 = F	Y - 2 = W
T - 2 = R	H - 2 = F
Y - 2 = W	R - 2 = P
P - 2 = N	Hence, the correct answer is <b>KFRWFP</b>

**Question 82 :**

Product A is costlier than product B by Rs. 2. If the price of product A is increased by two times the price of product B, the new price of product A becomes Rs. 17. What is the price of product B?

Difficulty : Moderate

Average Time : 74 Seconds

**Options :**

1. Rs. 7
2. Rs. 6
3. Rs. 5
4. Rs. 3

**Solution :**

The correct answer is **option 3** i.e **Rs. 5**

Understanding	Application
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Product A is costlier than product B by Rs.2 i.e. $A = B + 2$ If the price of product A is increased by two times the price of product B, the new price of product A becomes Rs. 17 i.e. $A_{\text{new}} = A + 2B = 17$	On solving, we get: $A_{\text{new}} = A + 2B = 17$ $B + 2 + 2B = 17$ $3B = 15$ <b><math>B = 5</math></b>
--	--

**Question 83 :**

Four letter-clusters 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 : 65 Seconds

**Options :**

1. HFE
2. GMF
3. DVR
4. OVG

**Solution :**

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

Understanding	Application
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The sum of positional values of the first and third alphabet is equal to the positional value of the second alphabet.

$$\text{HFE: } 8 \ 6 \ 5: \ 8 \\ + \ 5 = 13$$

$$\text{GMF: } 7 \ 13 \ 6: \\ 7 + 6 = 13$$

$$\text{DVR: } 4 \ 22 \ 18: \\ 4 + 18 = 22$$

$$\text{OVG: } 15 \ 22 \ 7: \\ 15 + 7 = 22$$

Hence, **HFE** is the odd option.

**Question 84 :**

Study the given pattern carefully and select the number that can replace the question mark (?) in it. 10 3 14 49 15 68 33 19 ?

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

1. 25
2. 29
3. 28
4. 27

**Solution :**

The correct answer is **option 3** i.e **28**

Understanding	Application
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In every row, (1st column - 2nd column) $\times 2 = 3\text{rd column}$	Similarly,
1st row, $(10 - 3) \times 2 = 7 \times 2 = 14$	3rd row, $(33 - 19) \times 2$ $= 14 \times 2 = 28$
2nd row, $(49 - 15) \times 2 = 34 \times 2 = 68$	

**Question 85 :**

A + B means 'B is the sister of A'; A - B means 'A is the father of B'; A x B means 'B is the son of A'; A ÷ B means 'B is the husband of A'. IF, E ÷ F - H + J x G + D, how is D related to H?

Difficulty : Moderate

Average Time : 63 Seconds

**Options :**

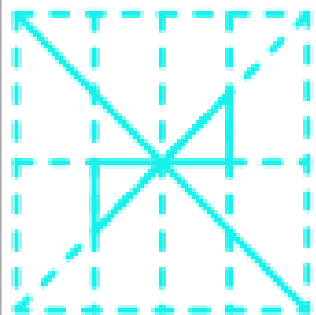
1. Uncle
2. Father
3. Niece
4. Aunt

**Solution :**

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

Understanding	Application
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After decoding the given relation codes, we get the following family tree diagram:



Hence, D is the **niece** of H.

**Question 86 :**

Find the odd one out.

**Difficulty : Moderate**

**Average Time : 51 Seconds**

**Options :**

1. Ankle
2. Fingers
3. Elbow
4. Palm

**Solution :**

The correct answer is **Option 1, Ankle.**

**Understanding**

Except ankle all are parts of hand.

**Question 87 :**

Which two digits should be interchanged to make the given equation correct?  $32 \div 6 + 26 - 13 \times 6 = 54$

**Difficulty : Moderate**

**Average Time : 38 Seconds**

**Options :**



2 and 3

2. 3 and 1

3. 3 and 6

4. 6 and 2

**Solution :**

The correct answer is **option 4** i.e **6 and 2**

**Understanding**

Given equation:  $32 \div 6 + 26 - 13 \times 6 = 54$

Let us check all the options:

1) 2 and 3

The equation becomes

$$23 \div 6 + 36 - 12 \times 6 = -32.17$$

2) 3 and 1

The equation becomes

$$12 \div 6 + 26 - 31 \times 6 = -158$$

3) 3 and 6

The equation becomes

$$62 \div 3 + 23 - 16 \times 3 = -4.33$$

4) 6 and 2

The equation becomes

$$36 \div 2 + 62 - 13 \times 2 = 54$$

**Question 88 :**

In the given Venn diagram, 'Group A' represents those who can speak 'English', 'Group B' represents those who can speak 'Hindi', and 'Group C' represents those who can speak 'Marathi'. The number given in the diagram represents the number of persons in that particular category. How many persons can speak exactly two languages?

Difficulty : Moderate

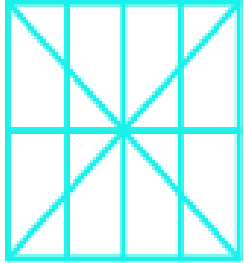
Average Time : 76 Seconds

Options :

1. 21
2. 12
3. 3
4. 18

Solution :

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

Understanding	Application
 <p>A - English speaking people B - Hindi speaking people C - Marathi speaking people</p>	<p>The required number will be the areas of intersection of A and B, B and C, C and A. i.e. <math>2 + 11 + 5 = 18</math></p>

Question 89 :

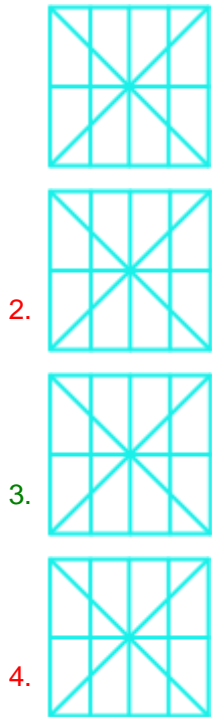
Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

- 1.



**Solution :**

The correct answer is **option 3**

**Understanding**



When the above piece of paper is folded at the dotted line, the second half part (right side) of the paper will overlap on the first half part (left side) in an inverse manner (i.e. the right side of the second half part will become its left side and vice versa)

Hence, after folding it will look as shown below:



### Question 90 :

How many triangles are there in the given figure?

Difficulty : Moderate

Average Time : 81 Seconds

### Options :

1. 11
2. 10
3. 9
4. 12

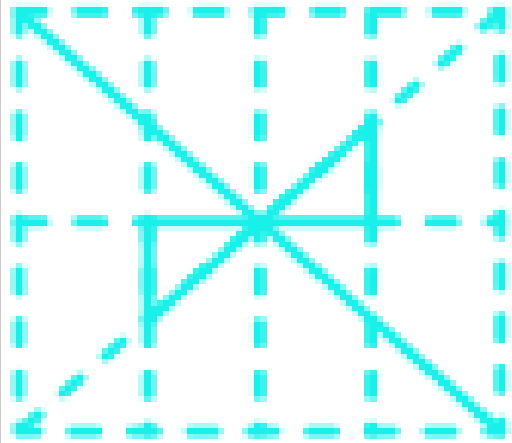
### Solution :

The correct answer is **option 1** i.e 11

Understanding



The given figure has **11** triangles as shown below:



### Question 91 :

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

Difficulty : Moderate

Average Time : 48 Seconds

### Options :

1. Dates : Dry Fruits
2. Apricot : Pear
3. Nutmeg : Chilli Flakes
4. Fig : Cashew Nuts

### Solution :

The correct answer is **option 1** i.e **Dates : Dry Fruits**

Understanding	Application
Turmeric is a spice.	Similarly, Dates are dry fruits.

### Question 92 :

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 : 47 Seconds

### Options :

1. Ahmedabad
2. Surat
3. Jhalrapatan
4. Rajkot

### Solution :

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

Understanding	Application
Ahmedabad, Surat, and Rajkot are cities in Gujarat.	Jhalrapatan is a city in Rajasthan.

### Question 93 :

Select the letter-cluster that can replace the question mark (?) in the following series. AOS, CQU, ? , GUY, IWA

Difficulty : Moderate

Average Time : 44 Seconds

### Options :

1. FSX
2. GSW
3. ESW
4. DRV

### Solution :

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

Understanding	Application
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<p>Given series: AOS, CQU, ? , GUY, IWA</p> <p>1st letter: <math>A + 2 = C</math>; <math>C + 2 = E</math>; <math>E + 2 = G</math>; <math>G + 2 = I</math></p> <p>2nd letter: <math>O + 2 = Q</math>; <math>Q + 2 = S</math>; <math>S + 2 = U</math>; <math>U + 2 = W</math></p> <p>3rd letter: <math>S + 2 = U</math>; <math>U + 2 = W</math>; <math>W + 2 = Y</math>; <math>Y + 2 = A</math></p>	<p>Hence, the correct term is <b>ESW</b>.</p>
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### Question 94 :

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

Difficulty : Moderate

Average Time : 56 Seconds

Options :

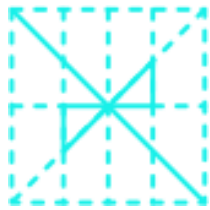
- 1.
- 2.
- 3.
- 4.

Solution :

The correct answer is **option 4**

### Understanding

The question figure is hidden in option figure 4, as shown below:



### Question 95 :

In a certain code language, 'GUM' is coded as '49441169'. How will 'WAX' be coded as in that language?

Difficulty : Moderate

Average Time : 67 Seconds

### Options :

1. 2891400
2. 3611121
3. 8412525
4. 5291576

### Solution :

The correct answer is **option 4** i.e **5291576**

Understanding	Application
<p>The positional value of each alphabet is squared to obtain its code.</p> <p>GUM 7 21 13  <math>7^2</math> <math>21^2</math> <math>13^2</math> 49 441 169</p>	<p>Similarly,</p> <p>WAX 23 1 24  <math>23^2</math> <math>1^2</math> <math>24^2</math>  <b>5291576</b></p>

### Question 96 :

Select the letter that can replace the question mark (?) in the following series. W, Q, ?, H, E, C

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. L
2. K
3. M
4. N

Solution :

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

Understanding	Application
Given series: W, Q, ?, H, E, C $W - 6 = Q$ $Q - 5 = L$ $L - 4 = H$ $H - 3 = E$ $E - 2 = C$	Hence, the missing alphabet is <b>L</b> .

Question 97 :

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 : 55 Seconds

Options :

1. 11-143
2. 8-138
3. 6-174



5-155

**Solution :**

The correct answer is **option 2** i.e **8-138**

**Understanding**

Let us check all the options:

143 is divisible by 11 ( $11 \times 13 = 143$ )

**138 is not divisible by 8**

174 is divisible by 6 ( $6 \times 29 = 174$ )

155 is divisible by 5 ( $5 \times 31 = 155$ )

Hence, **8-138** is the odd option.

**Question 98 :**

Arrange the following words in a logical and meaningful order. 1. Micron 2. Metre 3. Mile 4. Millimetre 5. Kilometre 6. Centimetre

**Difficulty :** Moderate

**Average Time :** 50 Seconds

**Options :**

1. 4-6-2-5-1-3

2. 1-4-6-2-5-3

3. 4-6-2-5-3-1

4. 1-4-6-2-3-5

**Solution :**

The correct answer is **option 2** i.e **1-4-6-2-5-3**

**Understanding**

The given words are units of length. After arranging them in ascending order, we get:

1. Micron
4. Millimetre
6. Centimetre
2. Metre
5. Kilometre
3. Mile

**Question 99 :**

Select the number that can replace the question mark (?) in the following series. 4, 25, 121, ? , 529, 961

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

1. 289
2. 361
3. 324
4. 256

**Solution :**

The correct answer is **option 1** i.e **289**

Understanding	Application
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Given series: 4, 25, 121, ?, 529, 961 $2^2, 5^2, 11^2, ?, 23^2, 31^2$ This is a series of alternate prime numbers.	Hence, the complete series will be 2, 5, 11, 17, 23, 31 On squaring these numbers, we get: 4, 25, 121, <b>289</b> , 529, 961. Hence, the missing number is <b>289</b> .
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**Question 100 :**

'Grapes' is related to 'Fruit' in the same way as 'Pepper' is related to '\_\_\_\_\_'.

Difficulty : Moderate

Average Time : 57 Seconds

**Options :**

1. Spices
2. Cereals
3. Dry Fruits
4. Pulses

**Solution :**

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

Understanding	Application
Grapes are a type of fruit.	Similarly, Pepper is a type of spice.

# Ssc Cgl Tier I Previous Year Question Paper Analysis



The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2020-03-04 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 Quantitative Aptitude, 25 questions were asked from English Language and 25 questions were asked from Logical Reasoning
4. 21 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. History - 6
2. Economics - 1
3. Science - 5
4. Geography - 1
5. GK Misc - 3
6. Current Affairs - 6
7. Art And Culture - 1

### Quantitative Aptitude

1. Simplification - 1
2. Average - 1
3. Data Interpretation - 1
4. Time And Work - 1
5. Time Speed And Distance - 1
6. Interest - 1
7. Ratios And Proportion - 2
8. Geometry - 4
9. Trigonometry - 3
10. Mensuration - 1
11. Algebra - 3
12. Number System - 4
13. Profit And Loss - 2

### English Language



- Cloze Test - 5
- 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 - 2
- 10. Antonym - 2
- 11. Filler (Vocab) - 2
- 12. Correctly Spelt - 2

## Logical Reasoning

- 1. Classification - 2
- 2. Figure Based - 1
- 3. Matrix - 1
- 4. Configuration, Fitting Pieces, Odd Pieces - 1
- 5. Puzzle - 18
- 6. Mathematical Reasoning - 1
- 7. Cubes And Dice - 1

# 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.