

# Ssc Cgl Tier I Previous Year Question Paper Overview

Here, you can solve all the questions asked in Ssc Cgl Tier I Previous Year Question Paper on 2019-06-04 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 :

21 March 2019 was celebrated by the UN as World Down Syndrome Day and the theme was \_\_\_\_\_.

Difficulty : Moderate

Average Time : 42 Seconds

### Options :

1. "All is well"
2. "Leave no one behind"
3. "Live and let live"
4. "Together we grow"

### Solution :

The correct answer is **option 2** i.e. **"Leave no one behind"**.

21 March 2019 was celebrated by the UN as World Down Syndrome Day and the theme was \_\_\_\_\_.

**"Leave no one behind"**



What is World Down Syndrome Day?

- World Down Syndrome Day is celebrated on 21st March 2019.
- World Down Syndrome Day 2019 theme was “Leave no one behind”.
- It is a global event organized to advocate the rights of people or children suffering from “Down Syndrome” and to send a message that they too can live a happy and normal life.

**Question 2 :**

Veer Kunwar Singh Jayanti is celebrated in \_\_\_\_\_ in order to recognise the achievements of Kunwar Singh during the Indian rebellion of 1857.

Difficulty : Moderate

Average Time : 128 Seconds

**Options :**

1. Himachal Pradesh
2. Uttar Pradesh
3. Uttarakhand
4. Bihar

**Solution :**

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

Veer Kunwar Singh Jayanti is celebrated in \_\_\_\_\_ in order to recognise the achievements of Kunwar Singh during the Indian rebellion of 1857.

Bihar



Who was Kunwar Singh?

- Kunwar Singh was a notable leader during the Indian Rebellion of 1857.
- He belonged to the royal house of Jagdispur, Bihar.
- At the age of 80, he led a select band of armed soldiers against the troops under the command of the British East India Company.

### Question 3 :

Which of the following has the highest protein content per gram?

Difficulty : Moderate

Average Time : 61 Seconds

### Options :

1. Wheat
2. Soyabean
3. Groundnut
4. Apple

### Solution :

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

Which of the following has the highest protein content per gram?	Soyabean
What is protein?	<p>Protein is a macronutrient. The minimum quantity required per day is around 50 grams. Protein is used to make enzymes, hormones. Protein is an important building block of bones, muscles, cartilage, skin, and blood.</p> <p>Fruits have the lowest protein content, for example, apple has 0.003 g/ one gram.</p>
Soybean:-	<p>Soybean is one of the richest sources of protein. The nutrition facts for 3.5 ounces (100 grams) of boiled soybeans are -</p> <ul style="list-style-type: none"><li>a) Protein: 16.6 grams</li><li>b) Carbs: 9.9 grams</li><li>c) Sugar: 3 grams</li><li>d) Fiber: 6 grams</li><li>e) Fat: 9 grams</li></ul>

**Question 4 :**

Centre-state relations are mentioned in which part of the Indian Constitution?



Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. Part VI
2. Part XI
3. Part X
4. Part XII

Solution :

The correct answer is **Option 2** i.e. **Part XI**.

- Centre-state relations are mentioned in part XI of the Constitution.
- The constitution of India divides all of its power between the Centre and the states.
- The center-state relations are divided into three parts, that is Legislative Relations (Article 245-255), Administrative Relations (Article 256-263) and Financial Relations (Article 268-293).
- **Part VI** of the Constitution of India contains provisions for the functioning of the State governments.
- **Part X** of the Constitution of India consists of Articles on the scheduled and Tribal Areas.
- **Part XII** of the Constitution of India is a compilation of laws pertaining to Finance, Property, Contracts and Suits for the Republic of India.

Question 5 :

The period between \_\_\_\_\_ in India's history is known as the Delhi Sultanate period.

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 1206 A.D. and 1526 A.D.
2. 1526 A.D. and 1857 A.D.
3. 745 A.D. and 1245 A.D.
4. 1105 A.D. and 1445 A.D.

Solution :

The correct answer is **option 1** i.e. **1206 A.D. and 1526 A.D.**



The period between _____ in India's history is known as the Delhi Sultanate period.	1206 A.D. and 1526 A.D.
What is the Delhi Sultanate period?	The period between 1206 A.D. and 1526 A.D. in India's history is known as the Delhi Sultanate period. During this period of over three hundred years, five dynasties ruled in Delhi.
The kingdoms of the Delhi Sultanate are as follows-	a) Slave dynasty 1206 – 1290 b) Khilji dynasty 1290 – 1320 c) Tughlaq dynasty 1321 - 1413 d) Sayyid dynasty 1414 - 1450 e) Lodi dynasty 1451 - 1526

**Question 6 :**

Which cells in our body are popularly called "soldiers of the human body"?

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

1. Basophils
2. Red blood cells

White blood cells

#### 4. Eosinophils

#### Solution :

The correct answer is **option 3** i.e. **White blood cells**.

- WBCs (White blood cells), also called leukocytes, are an important part of the immune system. These cells help fight infections by attacking bacteria, viruses, and germs that invade the body. White blood cells originate in the bone marrow but circulate throughout the bloodstream.
- WBCs are also known as Soldiers of the human body.
- Types of white blood cells are granulocytes (neutrophils, eosinophils, and basophils), monocytes, and lymphocytes (T cells and B cells).

#### Question 7 :

The government has approved the setting up of 'Centre for Disability Sports' at which place?

Difficulty : Moderate

Average Time : 56 Seconds

#### Options :

1. Jaipur, Rajasthan
2. Udaipur, Rajasthan
3. Pune, Madhya Pradesh
4. Gwalior, Madhya Pradesh

#### Solution :

The correct answer is **Option 4** i.e. **Gwalior, Madhya Pradesh**.

1. The Union Cabinet has approved the proposal for setting up of a Centre for Disability Sports at Gwalior in Madhya Pradesh, to be registered under the Societies Registration Act, 1860.
2. It will function under the name of Centre for Disability Sports, Gwalior.
3. The centre will have a Governing Body comprising a maximum of 12 members, some of them experts from National Level Sports Federations apart from experts in para games.

#### Question 8 :

'Mithun', a cattle breed is found in \_\_\_\_\_.

Difficulty : Moderate

Average Time : 53 Seconds

#### Options :

Tamilnadu

2. Arunachal Pradesh

3. Maharashtra

4. Kerala

### Solution :

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

'Mithun', a cattle breed is found in _____.	Arunachal Pradesh
What is Mithun?	<ul style="list-style-type: none"><li>• Mithun is a cattle breed is found in Arunachal Pradesh.</li><li>• Mithun is also known as 'Cattle of Mountain'.</li><li>• It is an important bovine species of the north-eastern hill regions of India and also of China, Myanmar, Bhutan, and Bangladesh.</li><li>• This magnificent massive bovine is presently reared under the free-range conditions in the hill forests at an altitude of 1000 to 3000 m above mean sea level.</li></ul>

### Question 9 :

In which of the following state, is the Nanda Devi peak located?

Difficulty : Moderate

Average Time : 63 Seconds

Options :



Jammu and Kashmir

2. Sikkim

3. Assam

4. Uttarakhand

**Solution :**

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

The Nanda Devi Peak is located in _____.	Uttarakhand
The national sport of Sri Lanka:-	<ul style="list-style-type: none"><li>• Nanda Devi Peak is the second-highest mountain in India.</li><li>• It is part of the Garhwal Himalayas and is located in the Chamoli district of Uttarakhand, between the Rishiganga valley on the west and the Goriganga valley on the east.</li><li>• It is the 23rd-highest peak in the world.</li></ul>

**Question 10 :**

In the year 1978, the \_\_\_\_\_ amendment eliminated the right to acquire, hold and dispose of property as a fundamental right.

Difficulty : Moderate

Average Time : 65 Seconds

**Options :**

1. 41<sup>st</sup>

42<sup>nd</sup>

3. 44<sup>th</sup>

4. 43<sup>rd</sup>

### Solution :

The correct answer is **option 3** i.e. 44<sup>th</sup>.

1. The 44<sup>th</sup> Amendment seeks to protect the people of India from such an injustice as fundamental rights are truly necessary.
2. It also said that the right to property under Article 31 of the Constitution is removed from the fundamental rights and is made a legal right.

### Question 11 :

Which hormone leads to the expulsion of milk from the breast during suckling?

Difficulty : Moderate

Average Time : 49 Seconds

### Options :

1. Estrogen
2. Prolactin
3. Oxytocin
4. Progesterone

### Solution :

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

Which hormone leads to the expulsion of milk from the breast during suckling?	Oxytocin
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What is  
Oxytocin?

- Oxytocin is the hormone that causes tiny muscles around the alveoli to squeeze the milk through milk ducts.
- Oxytocin is a hormone that acts on organs in the body (including the breast and uterus) and as a chemical messenger in the brain, controlling key aspects of the reproductive system, including childbirth and lactation, and aspects of human behaviour.
- It is sometimes referred to as the "love hormone," because levels of oxytocin increase during hugging and orgasm.

**Question 12 :**

Who was the first female chief justice of a state high court in India?

Difficulty : Moderate

Average Time : 68 Seconds

**Options :**

1. Syeda Tahira
2. Leila Seth
3. Fatima Bibi
4. Ruma Pal

**Solution :**

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The correct answer is **Option 2** i.e. **Leila Seth**.

Who was the first female chief justice of a state high court in India?	Leila Seth
Who was Leila Seth?	Leila Seth (20 October 1930 – 5 May 2017) was the first woman judge in the Delhi High Court and she became the first woman to become Chief Justice of a state High Court on 5 August 1991.

**Question 13 :**

Who is the author of the book 'Rajatarangini'?

Difficulty : Moderate

Average Time : 53 Seconds

**Options :**

1. Somadeva
2. Banabhatta
3. Kalidasa
4. Kalhana

**Solution :**

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

The author of the book 'Rajatarangini'	Kalhana
Who was Kalhana?	Kalhana (sometimes spelt Kalhan or Kalhan'a) a Kashmiri, was the author of Rajatarangini (River of Kings), an account of the history of Kashmir. He wrote the work in Sanskrit between 1148 and 1149.

**Question 14 :**

Baglihar Dam is constructed on which river?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Chenab
2. Sutlej
3. Indus
4. Ravi

Solution :

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

Baglihar Dam is constructed on which river?	Chenab
Baglihar Dam:-	<ul style="list-style-type: none"><li>• Baglihar Dam is built on the Chenab River in the Doda district of Jammu &amp; Kashmir.</li><li>• The hydropower project 'Baglihar Hydroelectric Power Project', is a run-of-the-river power project on the Chenab River.</li><li>• This project was conceived in 1992, approved in 1996 and construction began in 1999.</li></ul>

Question 15 :

The amount of light entering the eye can be controlled and regulated by the \_\_\_\_\_.

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. cornea
2. retina
3. pupil
4. iris

Solution :

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

The amount of light entering the eye can be controlled and regulated by the \_\_\_\_\_.

Pupil



What is Pupil?

- An adjustable opening through which the amount of light entering the eye is adjusted.
- The pupil is a small aperture in the iris that regulates the amount of light entering the eye.
- The pupil can expand or contract to control the amount of light entering the eye.
- The iris opens and closes to control the amount of light entering the eye through the pupil.
- The pupil is the opening in the centre of the iris where light enters the eye.

**Question 16 :**

The defending champions \_\_\_\_\_ won the 85th Ranji Trophy title in 2019.

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

1. Saurashtra
2. Vidarbha
3. Karnataka
4. Mumbai

**Solution :**

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

The defending champions ____ won the 85th Ranji Trophy title in 2019.	<b>Vidarbha</b>
Who were Vidarbha?	<ul style="list-style-type: none"><li>• The 2018–19 Ranji Trophy was the 85th season of the Ranji Trophy, the premier first-class cricket tournament that took place in India between November 2018 and February 2019.</li><li>• The final took place between Vidarbha (Represents Maharashtra) and Saurashtra (Represents Gujarat), starting on 3 February 2019. Vidarbha defeated Saurashtra by 78 runs in the final, to become the sixth team in the tournament's history to retain their title.</li></ul>
What is the Ranji Trophy?	<p>Ranji Trophy is First class domestic cricket. Named after Ranjithsinji(Maharaja of Nawanag an erstwhile Princely state of India), who played for England.</p> <p>Highest runs: Milind(1331 runs)</p> <p>Highest wickets: Ashutosh Aman(68 wickets)</p>

**Question 17 :**

Which of the following is a communicable disease?

**Difficulty : Moderate****Average Time : 145 Seconds****Options :**

1. Scurvy
2. Measles
3. Diabetes
4. Asthma

**Solution :**

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



____ is a communicable disease.	Measles
What is a communicable disease?	<ul style="list-style-type: none"><li>• A communicable disease is one that is spread from one person to another through a variety of ways that include: contact with blood and bodily fluids; breathing in an airborne virus; or being bitten by an insect.</li><li>• Communicable disease include HIV, hepatitis A, B and C, measles, salmonella, measles, and blood-borne illnesses. Most common forms of spread include fecal-oral, food, sexual intercourse, insect bites, contact with contaminated fomites, droplets, or skin contact.</li></ul>

What is measles?	<ul style="list-style-type: none"><li>• Measles is a highly communicable disease.</li><li>• It is a serious childhood disease caused by a virus.</li><li>• It is easily spread by coughing, sneezing or even talking to an infected person.</li></ul> <p>Measles begins with a fever, runny nose and cough.</p>
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### Question 18 :

The festival of Marabats and Badgyas celebrated in \_\_\_\_\_ directly confronts social evils and criticise their perpetrators through a procession with effigies.

Difficulty : Moderate

Average Time : 82 Seconds

### Options :

1. Jabalpur
2. Panaji
3. Hyderabad
4. Nagpur

### Solution :

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

The festival of Marabats and Badgyas celebrated in **Nagpur** directly confronts social evils and criticizes their perpetrators through a procession with effigies.

### The festival of Marabats and Badgyas:-

- On Bhadrapada Shukla Pratipada of the Indian lunar calendar, a unique festival, popularly known as Marabat, is celebrated in the eastern part of Vidarbha.

In the evening a festival of toy bulls, called 'Tanha Pola', is celebrated by children.

- Marabat and Badgyas are female and male representations respectively.
- Nagpurians have a novel way of wishing away everything that troubles society, in the form of the Marbat.
- Marabats and Badgyas: Celebrated in Nagpur (Maharashtra), Marabats are considered to act against diseases and Badgyas act against social evils.

### Question 19 :

Vikramashila University was founded by \_\_\_\_\_, a Pala king.

Difficulty : Moderate

Average Time : 68 Seconds

### Options :

1. Dharmapala
2. Pulakeshin I
3. Mihira Bhoja
4. Rajendra Chola

### Solution :

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

Vikramashila University was founded by _____, a Pala king.	Dharmapala
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Vikramashila University:-

- Vikramashila was founded by Pala king Dharmapala, the second ruler of the Pala dynasty in the late 8th or early 9th century.
- It is one of the top centres of education not only for Indians but also for foreigners.
- It prospered for about four centuries before it was destroyed by Bakhtiyar Khilji along with the other major centres of Buddhism in India around 1193.
- Pala Dynasty:  
Founded by Gopala.  
Ruled in the west Deccan region.

### Question 20 :

Mihira Bhoja was the ruler of \_\_\_\_\_.

Difficulty : Moderate

Average Time : 64 Seconds

### Options :

1. Rashtrakuta
2. Chola
3. Chalukya
4. Pratihara

### Solution :

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



Mihira Bhoja was the ruler of _____.	Pratihara
Who was Mihira Bhoja?	<ul style="list-style-type: none"><li>• Mihira Bhoja was 5th ruler of the Gurjara-Pratihara dynasty of India.</li><li>• He succeeded his father Ramabhadra.</li><li>• Bhoja was a devotee of Vishnu and adopted the title of Adivaraha which is inscribed on some of his coins.</li><li>• One of the outstanding political figures of India in the ninth century, he ranks with Dhruva Dharavarsha and Dharmapala as a great general and empire builder.</li></ul>

**Question 21 :**

If there is a lack of money supply in comparison to the supply of goods and services, then the possible consequence would be \_\_\_\_\_.

**Difficulty : Moderate****Average Time : 63 Seconds****Options :**

1. Devaluation
2. Deflation
3. Hyperinflation
4. Inflation

**Solution :**

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

If there is a lack of money supply in comparison to the supply of goods and services, then the possible consequence would be _____.	Deflation
What is Deflation?	<ul style="list-style-type: none"><li>• Deflation is the decline in the prices of goods and services that occur when the rate of inflation falls below 0%.</li><li>• It will take place naturally, if and when the money supply of an economy is limited.</li><li>• It indicates deteriorating conditions.</li><li>• It is normally linked with significant unemployment and low productivity levels of goods and services.</li></ul>

**Question 22 :**

Who bagged the 4th Carnot Prize 2018 for his contribution towards sustainable energy solutions?



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Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. Hardeep Puri
2. Piyush Goyal
3. Harsh Vardhan
4. Arun Jaithley

Solution :

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

Who bagged the 4th <b>Carnot Prize 2018</b> for his contribution towards sustainable energy solutions?	Piyush Goyal
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What is Carnot Prize?

- The Carnot Prize is the Kleinman Center's annual recognition of distinguished contributions to energy policy through scholarship or practice.
- Kleinman Center for Energy Policy presented the 4 Carnot Prize 2018 to Union Minister Piyush Goyal, Minister of Railways & Coal, for his contribution towards sustainable energy solutions. .
- Award recognizes the pathbreaking transformations in India's energy sector. A few schemes implemented with regard to energy sector are:
  - Saubhagya Scheme(100 % electrification by 2019)
  - UDAY scheme(Discom distress and Electricity cost reduction)
  - UJALA Scheme (LED distribution)

Question 23 :





As of May 2019, which political party does actor Raj Babbar belong to?

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. Bahujan Samaj Party
2. Samajwadi
3. Bharitya Janta Party
4. Indian National Congress

Solution :

The correct answer is option 4, i.e. Indian National Congress.

As of May 2019, which political party does actor Raj Babbar belong to?	<b>Indian National Congress</b>
What is Raj Babbar?	Raj Babbar (born 23 June 1952) is a Hindi and Punjabi film actor and politician belonging to Indian National Congress. three-time member of the Lok Sabha and a two-time member of the Upper House of the Indian Parliament. He was the President of Uttar Pradesh Congress Committee.

Question 24 :

In 2019, Kazakhstan renamed its capital Astana to \_\_\_\_\_ .

Difficulty : Moderate

Average Time : 102 Seconds

Options :

1. Nursultan
2. Nurbayev
3. NurNazar
4. Nazarbayev

Solution :

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

In 2019, Kazakhstan renamed its capital Astana to _____	Nursultan
What is Kazakhstan?	<ul style="list-style-type: none"><li>• Kazakhstan has renamed its capital Nur-Sultan, in honour of the country's longtime leader.</li><li>• The order to change the capital city's name was issued by Kazakhstan's newly sworn-in interim President Kassym-Jomart Tokayev.</li><li>• The name Astana literally means "capital" in Kazakh</li><li>• Kazakhstan is the largest country in Central Asia and the ninth-largest in the world.</li></ul>

**Question 25 :**

Which of the following economic activities employs the maximum number of people in India?

**Difficulty : Moderate**

**Average Time : 59 Seconds**

**Options :**

1. Mining
2. Tourism
3. Manufacturing

## Agriculture

### Solution :

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

Which of the following economic activities employs the maximum number of people in India?	Agriculture
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- The agriculture sector employs the maximum no. of people in India, whereas it has the least contribution to GDP.
- The opposite scenario is due to lack of technological up-gradation in agriculture, disguise employment, land fragmentation and low agriculture input.'
- According to the Census of 2001, the Agricultural sector employs 56 %.
- This is mainly due to large availability of unskilled labor.
- The Manufacturing sector is the second-largest employer, which employs 13.4%.
- The Electricity, gas and water supply sector employs the least 0.5%.

**Question 26 :**

If  $\sec - \tan = P$ , then  $\operatorname{cosec} = ?$

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1.  $\frac{p^2 + 1}{1 - p^2}$

- $$\frac{1-p^2}{1+p^2}$$
3.  $\frac{2p}{1-p^2}$
4.  $\frac{2p}{1+p^2}$

**Solution :**

Correct Answer is **option 1** i.e.  $\frac{p^2+1}{1-p^2}$

Understanding	Application
<p>Given:</p> <p>Sec - Tan = P</p>	<p>Sec<sup>2</sup> - Tan<sup>2</sup> = 1</p> <p>(Sec - Tan) (Sec + Tan) = 1</p> <p>Since, Sec - Tan = P</p> <p>(Sec + Tan) = 1/P</p> <p>Adding both equations:</p> <p>Sec = (P + 1/P)/2</p> <p>Sec = (P<sup>2</sup> + 1)/2P</p> <p>So, Cos = 2P/(P<sup>2</sup> + 1) = Base/Hypotenuse</p> <p>Hence,</p> <p>Perpendicular = (1 - P<sup>2</sup>)</p> <p>Cosec = Hypotenuse/Perpendicular = (P<sup>2</sup> + 1)/(1 - P<sup>2</sup>)</p>

**Question 27 :**

The value of  $\theta$ , when  $3\cos \theta + \sin \theta = 1$  ( $0^\circ < \theta < 90^\circ$ ), is?

**Difficulty :** Moderate

**Average Time :** 246 Seconds

**Options :**



90°

2. 60°

3. 30°

4. 0°

**Solution :**Correct Answer is **option 1** i.e. **90°**

Understanding	Application
Given $3\cos + \sin = 1$ (0° 90°)	$3\cos + \sin = 1$ Checking all the options: Put $\theta = 90^\circ$ $3\cos 90 + \sin 90$ $3 \times 0 + 1$ 1 Hence, option 1 is correct.

**Question 28 :**If  $a^2 + b^2 + 64c^2 + 16c + 3 = 2(a + b)$ , then the value of  $4a^7 + b^7 + 8c^2$  is:

Difficulty : Moderate

Average Time : 132 Seconds

**Options :**1.  $3\frac{7}{8}$ 2.  $4\frac{7}{8}$ 3.  $5\frac{1}{8}$ 

4.

$$4\frac{1}{8}$$

**Solution :**

Correct Answer is **option 3** i.e.  $5\frac{1}{8}$

Understanding	Application
<p>Given:</p> $a^2 + b^2 + 64c^2 + 16c + 3 = 2(a + b)$	$a^2 + b^2 + 64c^2 + 16c + 3 = 2(a + b)$ $a^2 + b^2 + (8c)^2 + 16c + 3 - 2a - 2b = 0$ $a^2 - 2a + 1 + b^2 - 2b + 1 + (8c)^2 + 16c + 1 = 0$ $(a - 1)^2 + (b - 1)^2 + (8c + 1)^2 = 0$ <p><math>a = 1, b = 1</math> and <math>c = -1/8</math></p> <p>Hence,</p> $4a^7 + b^7 + 8c^2 = 4 \times 1 + 1 + 8 \times 1/64 = 5\frac{1}{8}$

**Question 29 :**

Three numbers are such that if the average of any two of them is added to the third number, the sums obtained are 168, 174 and 180 respectively. What is the average of the original three numbers?

**Difficulty : Moderate**

**Average Time : 368 Seconds**

**Options :**

1. 86
2. 84
3. 89
4. 87

**Solution :**

The correct answer is **option 4** i.e. **87**

Understanding	Application
<p>Let numbers are a, b and c:</p> <p>Given</p> $(a + b)/2 + c = 168$ $(b + c)/2 + a = 174$ $(a + c)/2 + b = 180$	<p>Given equations can be converted as:</p> $a + b + 2c = 336 \text{ ---- (1)}$ $b + c + 2a = 348 \text{ ---- (2)}$ $c + a + 2b = 360 \text{ ---- (3)}$ <p>Adding all equations:</p> $4(a + b + c) = 1044$ $(a + b + c) = 1044/4 = 261$ <p>Hence, Average = <math>261/3 = 87</math></p>

**Question 30 :**

In ABC, the sides AB and AC are extended to P and Q, respectively. The bisectors of PBC and QCB intersect at a point R. If  $\angle R = 66^\circ$ , then the measure of A is?

Difficulty : Moderate

Average Time : 88 Seconds

**Options :**

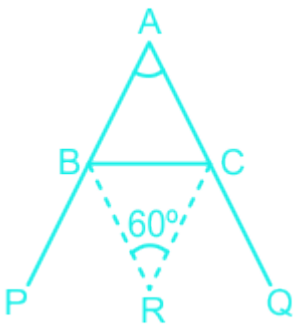
1.  $48^\circ$
2.  $24^\circ$
3.  $36^\circ$
4.  $72^\circ$

**Solution :**

Correct Answer is **option 1** i.e.  $48^\circ$

Concept	Understanding	Application



<p>Property of exterior angle bisectors: Angle at ex-centre = <math>90 - (\text{Opposite angle})/2</math></p>	<p>Given <math>R = 66^\circ</math></p> 	<p><math>BRC = 90^\circ - A/2</math> <math>90 - (A/2) = 66^\circ</math> <math>A = 48^\circ</math></p>
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**Question 31 :**

The ratio of the efficiencies of A, B and C is 7 : 5 : 4. Working together, they can finish a work in 35 days. If A and B work together for 28 days. The remaining work will be completed (in days) by C alone?

Difficulty : Moderate

Average Time : 188 Seconds

**Options :**

- 1. 49
- 2. 56
- 3. 63
- 4. 60

**Solution :**

Correct Answer is **option 2** i.e. **56**

Understanding	Application
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<p>Work efficiency</p> <p>Total work = Efficiency <math>\times</math> Time</p> <p>Ratio of efficiencies of A, B and C = 7 : 5 : 4</p> <p>Suppose the efficiencies are <math>7x</math>, <math>5x</math> and <math>4x</math></p>	<p>Working together, they can complete task in 35 days:</p> <p>Total work = <math>(7x + 5x + 4x) \times 35 = 560x</math></p> <p>Work completed by A and B together in 28 days = <math>(7x + 5x) \times 28 = 336x</math></p> <p>Remaining work = <math>560x - 336x = 224x</math></p> <p>Time in which C will complete remaining work = <math>224x/4x = 56</math> days</p>
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**Question 32 :**

If  $x$  is added to each of 12, 28, 21 and 45, the numbers so obtained, in this order, are in proportion. What is the mean proportional between  $(x + 3)$  and  $(4x + 1)$ ?

Difficulty : Moderate

Average Time : 129 Seconds

**Options :**

1. 15
2. 18
3. 12
4. 10

**Solution :**

Correct Answer is **option 1** i.e. **15**

Concept	Understanding	Application
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Mean proportion of a & b = ab	'x' is added to each of 12, 28, 21 and 45.	Then, $(12 + x)/(28 + x) = (21 + x)/(45 + x)$ $45 \times 12 + 57x + x^2 = 21 \times 28 + 49x + x^2$ $8x = 21 \times 28 - 45 \times 12$ $8x = 48$ $x = 6$ Hence, mean proportion of (x + 3) i.e. 9 and (4x + 1) i.e. 25 = (9 × 25) = 15
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**Question 33 :**

If  $(27x^3 - 343y^3) \div (3x - 7y) = Ax^2 + By^2 + 7Cyx$ , then the value of  $(4A - B + 5C)$  is:

Difficulty : Moderate

Average Time : 167 Seconds

**Options :**

1. 0
2. 1
3. 2
4. 3

**Solution :**

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

Concept	Application
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Formula:

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

$$[27x^3 - 343y^3] \div (3x - 7y) = Ax^2 + 7Cxy + By^2$$

$$[(3x)^3 - (7y)^3] \div (3x - 7y) = Ax^2 + 7Cxy + By^2$$

Using the formula:

$$[3x - 7y] [(3x)^2 + (7y)^2 + (3x) \times (7y)] \div (3x - 7y) = Ax^2 + 7Cxy + By^2$$

$$[9x^2 + 21xy + 49y^2] = Ax^2 + 7Cxy + By^2$$

Comparing the coefficients:

$$A = 9, C = 3 \text{ and } B = 49$$

Hence,

$$4A - B + 5C = 36 - 49 + 15 = 2$$

**Question 34 :**If  $a^2 + b^2 + c^2 = 21$  and  $a + b + c = 7$ , then  $(ab + bc + ca)$  is equal to:

Difficulty : Moderate

Average Time : 387 Seconds

**Options :**

1. 14
2. 8
3. 12
4. 28

**Solution :**Correct Answer is **option 1** i.e. **14**

Understanding	Application
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Given: $a^2 + b^2 + c^2 = 21$ and $a + b + c = 7$	Using formula: $(a + b + c)^2 = a^2 + b^2 + c^2 + 2ab + 2bc + 2ca$ $49 = 21 + 2(ab + bc + ca)$ $(49 - 21)/2 = (ab + bc + ca)$ $(ab + bc + ca) = 14$
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**Question 35 :**

The income of A is 25% more than that of B and the income of C is 65% less than the sum of the incomes of A and B. Income of C is what percent less than the income of A?

Difficulty : Moderate

Average Time : 192 Seconds

**Options :**

1. 28
2. 37
3. 32
4. 35

**Solution :**

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

Understanding	Application
Let the income of B be $4x$ .	The income of A = $4x \times [5/4] = 5x$ The income of C = $(4x + 5x) \times [35/100] = 3.15x$ Required percentage $= [(5x - 3.15x)/5x] \times 100$ $= 185/5$ $= 37\%$

**Question 36 :**

On selling an article for Rs. 800, a person loses 20%. At what price should he sell it to gain 25% on its cost price?

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

1. Rs. 1,152
2. Rs. 1,200
3. Rs. 1,250
4. Rs. 1,280

**Solution :**

The correct answer is **option 3** i.e. **Rs. 1250**

Concept	Application
Selling Price = Cost Price [1 - Loss/100]	Given: On selling the article for Rs. 800, person loses 20%.  The cost price of the article = $800 \times [100/80] = \text{Rs. } 1000$  Now,  To gain 25% on its cost price: $SP = 1000 \times 1.25 = \text{Rs. } 1250$

**Question 37 :**

The areas of the three adjacent faces of a cuboid are 32 cm<sup>2</sup>, 24 cm<sup>2</sup> and 48 cm<sup>2</sup>. What is the volume of the cuboid?

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

1. 128 cm<sup>3</sup>
2. 256 cm<sup>3</sup>
3. 288 cm<sup>3</sup>



192 cm<sup>3</sup>

**Solution :**

Correct answer is **option 4** i.e. 192 cm<sup>3</sup>

Surface areas of 3 adjacent surfaces of a cuboid = lb, bh, hl

Volume = lbh

Hence,

Volume = (Multiplication of SA of 3 adjacent surfaces) = (lbh)

Given:

lb = 32, bh = 24, hl = 48

Volume = (lbh)

= (32 × 24 × 48)

= (16 × 2 × 2 × 4 × 3 × 3 × 16)

= 4 × 2 × 2 × 3 × 4

= 192 cm<sup>3</sup>

**Question 38 :**

If  $x + y = 1$  and  $xy(xy - 2) = 12$ , then the value of  $x^4 + y^4$  is:

**Difficulty : Moderate**

**Average Time : 101 Seconds**

**Options :**

1. 23

2. 19

3. 20

4. 25

**Solution :**

Correct Answer is **option 4** i.e. 25

Understanding	Application
Given: $x + y = 1$ and $xy(xy - 2) = 12$	$x + y = 1$ Squaring: $(x + y)^2 = 1$ $x^2 + y^2 + 2xy = 1$ $x^2 + y^2 = 1 - 2xy$ Again, taking square: $(x^2 + y^2)^2 = (1 - 2xy)^2$ $x^4 + y^4 + 2x^2y^2 = 1 + 4x^2y^2 - 4xy$ $x^4 + y^4 = 1 + 2x^2y^2 - 4xy$ $x^4 + y^4 = 1 + 2xy(xy - 2)$ $x^4 + y^4 = 1 + 2 \times 12$ $x^4 + y^4 = 25$

**Question 39 :**

Anu allows a 20% discount on the marked price of an article and still makes a profit of 25%. If he gains Rs. 44.80 on the sale of the article, then the cost price of the article is?

Difficulty : Moderate

Average Time : 387 Seconds

**Options :**

1. Rs. 179.20
2. Rs. 192.80
3. Rs. 188.80
4. Rs. 184.20

**Solution :**

Correct Answer is **option 1** i.e. **Rs. 179.20**



Concept	Understanding	Application
$SP = CP [1 + \text{Gain}/100]$	Let CP of the article = $100x$	Since profit = 25% $SP = 100x \times 1.25 = 125x$ According to the question $125x - 100x = 44.80$ $25x = 44.80$ $100x = 44.80 \times 4 = 179.20$ Hence, CP = Rs. 179.20

**Question 40 :**

If an 8-digit number  $179x091y$  is divisible by 88, the value of  $(5x - 8y)$  is?

Difficulty : Moderate

Average Time : 139 Seconds

**Options :**

1. 5
2. 4
3. 9
4. 7

**Solution :**

Correct Answer is **option 2** i.e. 4

Concept	Understanding/Application

For divisibility by 88, number should be divisible by 11 and 8 both.

179x091y is divisible by 88:

For divisible by 8 last 3 digit of the number (91y) must be divisible by 8.

So, the value of y can be 2.

For divisibility by 11, difference of sum of digits at odd place and sum of digits at even place must be zero or divisible by 11.

So,  $(11) - (16 + x + y) = 0$  or multiple of 11

Only one value of x that is  $x = 4$  will satisfy the equation.

By putting  $y = 2$  and  $x = 4$

Hence,

$$5x - 8y = 5 \times 4 - 8 \times 2 = 4$$

**Question 41 :**

ABCD is a cyclic quadrilateral in which  $A = 67^\circ$  and  $B = 92^\circ$ . What is the difference between the measures of C and D?

**Difficulty : Moderate****Average Time : 139 Seconds****Options :**

1.  $27^\circ$
2.  $29^\circ$
3.  $25^\circ$

19°

**Solution :**

Correct Answer is **option 3** i.e. **25°**

Concept	Understanding	Application
In cyclic quadrilateral: Sum of opposite angles = 180°	Given A = 67° and B = 92°	Hence, $C = 180 - 67 = 113^\circ$ And $D = 180 - 92 = 88^\circ$ Hence, $C - D = 113 - 88 = 25^\circ$

**Question 42 :**

AB and CD are two parallel chords of a circle such that  $AB = 6$  cm and  $CD = 2AB$ . Both chords are on the same side of the centre of the circle. If the distance between them is equal to one-fourth of the length of CD, then the radius of the circle is:

**Difficulty : Moderate**

**Average Time : 178 Seconds**

**Options :**

1. 53 cm
2. 43 cm
3. 35 cm
4. 45 cm

**Solution :**

Correct Answer is **option 3** i.e. **35 cm**

Concept	Understanding	Application

<p>Perpendicular drawn from the centre to the chord of a circle bisects the chord.</p>	<p>Given</p> <p>AB = 6,</p> <p>CD = 2AB = 12,</p> <p>PQ = CD/4 = 3.</p> <p>OP ⊥ CD and</p> <p>OQ ⊥ AB</p> <p>Suppose OP = x</p> <p>MOTHER HTOERM</p>	<p>According to the concept:</p> <p>PD = CD/2 = 6 cm</p> <p>QB = AB/2 = 3 cm</p> <p>From Pythagoras theorem in triangle OPD:</p> $r^2 = x^2 + 6^2$ <p>.....(1)</p> <p>In triangle BOQ:</p> $r^2 = (x + 3)^2 + 3^2$ $r^2 = x^2 + 18 + 6x$ .....(2) <p>Equating both equations:</p> $x^2 + 6^2 = x^2 + 18 + 6x$ $6x = 18$ $x = 3$ <p>From equation 1:</p> $r^2 = 3^2 + 6^2$ $r^2 = 9 + 36 = 45$ $r = 35 \text{ cm}$
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**Question 43 :**

The value of r is:

**Difficulty :** Moderate

**Average Time :** 370 Seconds

**Options :**

1. 4
2. 1/23

5

4. 1/4

**Solution :**

Correct Answer is **option 3** i.e. **5**

Application

$$2\frac{7}{8} \div \left(3\frac{5}{6} \div \frac{2}{7} \text{ of } 2\frac{1}{3}\right) \times \left[\left(2\frac{6}{7} \text{ of } 4\frac{1}{5} \div \frac{2}{3}\right) \times \frac{5}{9}\right]$$

$$23/8 \div (23/6 \div 2/7 \text{ of } 7/3) \times [(20/7 \text{ of } 21/5 \div 2/3) \times 5/9]$$

$$23/8 \div (23/6 \div 2/3) \times [(12 \div 2/3) \times 5/9]$$

$$23/8 \div 23/4 \times [18 \times 5/9]$$

$$1/2 \times 10$$

$$5$$

**Question 44 :**

The area of a triangle is 15 sq cm and the radius of its incircle is 3 cm. Its perimeter is equal to?

**Difficulty :** Moderate

**Average Time :** 67 Seconds

**Options :**

1. 12 cm

2. 20 cm

3. 10 cm

4. 5 cm

**Solution :**

The correct answer is **Option 3** i.e. **10 cm**

Concept	Understanding	Application
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In-radius of triangle = (Area of triangle)/Semi Perimeter(s)	Given: Area of a triangle = 15 sq cm And Radius of its incircle = 3 cm	$3 = 15/s$ Semi perimeter(s) = 5 Perimeter = $2S = 2 \times 5 = 10$ cm
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**Question 45 :**

A man purchases 100 copies of a book from the publisher and gets a discount of 25%. He buys 50 copies from a retailer at a discount of 10%. He got an overall discount of:

Difficulty : Moderate

Average Time : 96 Seconds

**Options :**

1. 17.5%
2. 35%
3. 20%
4. 16.5%

**Solution :**

The correct answer is **option 3** i.e. **20%**

Understanding	Application
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Let the price of one copy of book is Rs. 100

Price of 100 copies = Rs. 10000

After 25% discount:

Discounted price of 100 copies =  $10000 \times 0.75 = 7500$

Price of 50 copies =  $100 \times 50 = 5000$

After 10% discount:

Discounted price of 50 copies =  $5000 \times 0.9 = 4500$

Total price of 150 copies = 15000

The man paid a total of =  $7500 + 4500 = 12000$ .

Overall discount =  $[(15000 - 12000)/15000] \times 100 = 20\%$

**Question 46 :**

What will be the compound interest (nearest to integer) on a sum of Rs. 25,000 for 2 years at 12% p.a., if the interest is compounded 8 monthly?

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

1. Rs. 6,394
2. Rs. 6,493
3. Rs. 6,439
4. Rs. 6,349

**Solution :**

Correct Answer is **option 2** i.e. **Rs. 6,493**

Concept	Understanding	Application
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<p>For CI: <math>A = P(1 + r/100)^t</math></p>	<p>Given: Interest (r = 12% per annum) is compounded 8-monthly: 2 years = 24 months = 3 times compounded 8-monthly. Rate of CI for 12 months = 12% Rate of CI for 8 months = <math>12 \times 8/12 = 8\%</math> P = Rs. 25,000</p>	<p><math>A = 25000(1 + 8/100)^3</math> <math>A = 25000 \times (27/25) \times (27/25) \times (27/25)</math> <math>= 25000 \times (19683/15625)</math> <math>= \text{Rs. } 31492.8</math> Required Interest = <math>31492.8 - 25000 = \text{Rs. } 6492.8</math> Rs. 6493</p>
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### Comprehension :

The table shows the production of different types of cars (in thousands). Cars/Year 2014 2015 2016 2017 2018

A	64	56	57	63	70
B	48	54	63	64	72
C	33	42	48	57	64
D	25	45	40	55	35
E	40	48	52	61	60

### Question 47 :

The total production of type D cars during 2015 to 2017 is what percent less than the total production of type E cars during 2014, 2015, 2016 and 2018 taken together?

Difficulty : Moderate

Average Time : 187 Seconds

### Options :

1. 35
2. 32
3. 30
4. 28

### Solution :

Correct Answer is **option 3** i.e. **30**

Understanding	Application
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Extract the data from the given table.

The total production of type D cars during 2015 to 2017 =  $45 + 40 + 55 = 140$

Total production of type E cars during 2014, 2015, 2016 and 2018 =  $40 + 48 + 52 + 60 = 200$ .

Required percent =  $[(200 - 140)/200] \times 100 = 60/2 = 30\%$

**Comprehension :**

Directions: The line graph given below shows the percentage concentration of two liquids (X and Y) in five mixtures A, B, C, D and E. It also contains a table that gives the concentration of liquid Z (in litres) in all these mixtures. (Note - The mixtures are made up of only these three liquids)

**Question 48 :**

Find the ratio of quantity of liquid Z in mixture A and B combined to the sum of quantities of X in liquid C and Y in liquid D.

**Difficulty : Moderate****Average Time : 112 Seconds****Options :**

1. 1266 : 437
2. 1125 : 518
3. 1198 : 379
4. 1137 : 631
5. none of these

**Solution :**

The correct answer is **Option 2** i.e. **1125 : 518**

Z in A and B combined =  $81 + 144 = 225$  litres

Percentage concentration of Z in mixture C =  $100 - (42 + 33) = 25\%$

25% of Total Volume = 20

Total volume (C) = 80 litres

Concentration of X = 42% of 80 = 33.6 litres

Percentage concentration of Z in mixture D =  $100 - (30 + 28) = 42\%$

42% of Total Volume = 105

Total volume (D) = 250 litres

Concentration of Y = 28% of 250 = 70 litres

Sum = 70 + 33.6 = 103.6

Ratio = 225 : 103.6 = 1125 : 518

### Comprehension :

The table shows the production of different types of cars (in thousands). Cars/Year 2014 2015 2016 2017 2018 A 64 56 57 63 70 B 48 54 63 64 72 C 33 42 48 57 64 D 25 45 40 55 35 E 40 48 52 61 60

### Question 49 :

In the data related to the production of type D cars is represented by a pie chart, then the central angle of the sector representing production of cars in 2015 will be?

Difficulty : Moderate

Average Time : 62 Seconds

### Options :

1. 72°
2. 81°
3. 99°
4. 63°

### Solution :

Correct Answer is **option 2** i.e. **81°**

Concept	Understanding	Application
Pie chart represents 360-degree angle.	Extract the data from the given table.	Production of type D cars over 5 years = 25 + 45 + 40 + 55 + 35 = 200 Production of type D cars in 2015 = 45 Required angle = $[45/200] \times 360 = 81^\circ$

### Comprehension :

The table shows the production of different types of cars (in thousands). Cars/Year 2014 2015 2016 2017 2018 A 64 56 57 63 70 B 48 54 63 64 72 C 33 42 48 57 64 D 25 45 40 55 35 E 40 48 52 61 60

**Question 50 :**

In the data related to the production of type D cars is represented by a pie chart, then the central angle of the sector representing production of cars in 2015 will be?

Difficulty : Moderate

Average Time : 133 Seconds

**Options :**

1.  $72^\circ$
2.  $81^\circ$
3.  $99^\circ$
4.  $63^\circ$

**Solution :**

Correct Answer is **option 2** i.e.  $81^\circ$

Concept	Understanding	Application
Pie chart represents 360-degree angle.	Extract the data from the given table.	Production of type D cars over 5 years = $25 + 45 + 40 + 55 + 35 = 200$ Production of type D cars in 2015 = 45 Required angle = $[45/200] \times 360 = 81^\circ$

**Question 51 :**

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

Difficulty : Moderate

Average Time : 123 Seconds

**Options :**

1. TUWZ
2. PQTX
3. DEGJ
4. MNPS

**Solution :**

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

**Understanding**

The pattern which follows here is:

TUWZ:  $T + 1 = U$ ,  $U + 2 = W$ ,  $W + 3 = Z$

PQTX:  $P + 1 = Q$ ,  $Q + 3 = T$ ,  $T + 4 = X$

DEGJ:  $D + 1 = E$ ,  $E + 2 = G$ ,  $G + 3 = J$

MNPS:  $M + 1 = N$ ,  $N + 2 = P$ ,  $P + 3 = S$

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

**Question 52 :**

Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series **cb\_db\_cba\_bc\_bad\_c**

Difficulty : Moderate

Average Time : 60 Seconds

**Options :**

1. **acbcd**
2. **cabdc**
3. **acdc**
4. **dcacb**

**Solution :**

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

Understanding	Application
<p>The sequence of the series is <b>cbadb</b>.</p> <p>cb_db_cba_bc_bad_c</p> <p>All the options should be checked.</p>	<p>Checking with option 2:</p> <p>cbadb / cbadb / cbad</p> <p>Hence, acdc is the correct answer.</p>

**Question 53 :**

Select the set in which the numbers are related in the same way as are the numbers of the following set. (9, 15, 27)

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. (12, 20, 36)
2. (15, 25, 35)
3. (6, 9, 18)
4. (21, 35, 56)

Solution :

The correct answer is **option 1** i.e. **(12, 20, 36)**

Understanding	Application
Pattern: (x, y, z) $y - x = a$ and $z - y = 2a$ (9, 15, 27) $15 - 9 = 6$ And $27 - 15 = 12 = 2 \times 6$	Similarly, (12, 20, 36) $20 - 12 = 8$ And $36 - 20 = 16 = 2 \times 8$ Hence, (12, 20, 36) is the correct option.

Question 54 :

In the following question two statements are given below followed by three conclusions numbered I, II and III. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read both the conclusions and decide which of the given conclusions logically follows from the given statements. Statements: Some mobile are instruments, All instruments are heavy items. Conclusion: I. Some mobiles are heavy items. II. No mobile is a heavy item. III. Some heavy items are instruments.

Difficulty : Moderate

Average Time : 72 Seconds

Options :

Only conclusions I and III follow

2. Only conclusions I follow
3. Only conclusions III and either conclusion I or II follow
4. All conclusions follow

**Solution :**

The correct answer is **option 1** i.e. **Only conclusion I and III follow**

Following venn diagram can be drawn with the help of given statements:

**Conclusions:**

- I. Some mobiles are heavy items: **True** (As Some mobiles are instruments and All instruments are heavy items, so the part of mobiles which is instruments are also heavy items).
- II. No mobile is a heavy items: **False** (As Some mobiles are instruments and All instruments are heavy items, so the part of mobiles which is instruments are also heavy items).
- III. Some heavy items are instruments: **True** (As All instruments are part of heavy items, so some heavy items are instruments is true).

Hence, **Only conclusion I and III follow.**

**Question 55 :**

In a code language, if FRIDGE is written as GTLHLK, then in the same language how will you write the word KETTLE?

Difficulty : Moderate

Average Time : 78 Seconds

**Options :**

1. LGWXQK
2. XKWQLG
3. GLXWQK
4. WQLG XK

**Solution :**

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

Understanding	Application
FRIDGE is written as GTLHLK:	Similarly, for KETTLE:
$F + 1 = G$	$K + 1 = L$
$R + 2 = T$	$E + 2 = G$
$I + 3 = L$	$T + 3 = W$
$D + 4 = H$	$T + 4 = X$
$G + 5 = L$	$L + 5 = Q$
$E + 6 = K$	$E + 6 = K$
	Hence, KETTLE will be written as <b>LGWXQK</b> .

**Question 56 :**

In a code language, SUNDAY is written as DNUAYS, how will MOTHER be written as in that language?

**Difficulty :** Moderate

**Average Time :** 59 Seconds

**Options :**

1. THEORM
2. HTOERM
3. HOTERM
4. HTEOMR

**Solution :**

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

Understanding	Application
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<p>SUNDAY is written as DNUAYS</p> <p>M O T H E R H T O E R M</p>	<p>Similarly, for MOTHER:</p> <p>Hence, MOTHER will be written as <b>HTOERM</b></p>
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**Question 57 :**

Arrange the following words in a logical and meaningful order. 1. Salary 2. Recruitment 3. Education 4. Promotion 5. School 6. Employment

Difficulty : Moderate

Average Time : 54 Seconds

**Options :**

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

**Solution :**

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

Understanding	Application
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Order in which the Education and career of a person progresses.	Correct sequence:  5. School  3. Education  2. Recruitment  6. Employment  1. Salary  4. Promotion  Hence, correct sequence is 5, 3, 2, 6, 1, 4.
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**Question 58 :**

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

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

1. Hinderance
2. Indulgence
3. Benevolence
4. Courtesy

**Solution :**

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

**Understanding**

Courtesy, Indulgence and Benevolence have the same meaning which is being kind or helpful.

But hinderance means an obstacle which is different in comparison to them.

**Question 59 :**

Which two signs should be interchanged in the following equation to make it correct?  $15 - 9 \div 6 \times 10 + 5 = 25$

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1.  $\times$  and  $\div$
2.  $+$  and  $\div$
3.  $\times$  and  $-$
4.  $+$  and  $-$

Solution :

The correct answer is **option 4** i.e.  **$+$  and  $-$**

### Understanding

Given:  $15 - 9 \div 6 \times 10 + 5 = 25$

Let us check all the options:

1)  $\times$  and  $\div$

The expression becomes:

$$15 - 9 \times 6 \div 10 + 5 = 14.6$$

2)  $+$  and  $\div$

The expression becomes:

$$15 - 9 + 6 \times 10 \div 5 = 18$$

3)  $\times$  and  $-$

The expression becomes:

$$15 \times 9 \div 6 - 10 + 5 = 17.5$$

4)  **$+$  and  $-$**

**The expression becomes:**

$$15 + 9 \div 6 \times 10 - 5 = 25$$

Question 60 :



Select the option that is related to the third term in the same way as the second term is related to the first term.  $29 : 13 :: 37 : ?$

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. 17

2. 15

3. 23

4. 14

Solution :

The correct answer is **option 1** i.e. 17

Understanding	Application
1st term = 2 × 2nd term + 3	Similarly,
$29 : 13$	$37 = 17 \times 2 + 3$
$29 = 13 \times 2 + 3$	Hence, 17 is the correct answer.

Question 61 :

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

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 789

2. 567

3. 123

4. 457

Solution :

The correct answer is **option 4** i.e. **457**

Understanding	Application
Divisibility by 3: if the sum of all digits is divisible by 3, the number will be divisible by 3.	789, 123, and 567: they all are divisible by 3. But 457 is not divisible by 3. Hence, 457 is the odd one.

**Question 62 :**

What will be the value of the following equation if '÷' means 'addition', '+' means 'subtraction', '-' means 'multiplication' and 'x' means 'division'  $54 \times 6 - 7 \div 8 + 2 = ?$

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

1. 57
2. 69
3. 61
4. 63

**Solution :**

The correct answer is **option 2** i.e. **69**

Understanding	Application
---------------	-------------

Given	$54 \times 6 - 7 \div 8 + 2$
'÷' means 'addition',	After changing the symbols:
'+' means 'subtraction',	$54 \div 6 \times 7 + 8 - 2$
'-' means 'multiplication' and	$= 9 \times 7 + 8 - 2$
'x' means 'division'	$= 63 + 8 - 2$
	$= 63 + 6$
	$= 69$

**Question 63 :**

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

Difficulty : Moderate

Average Time : 58 Seconds

**Options :**

1. South Korea : Rupiya
2. Russia : Ruble
3. Malaysia : Ringgit
4. Bangladesh : Taka

**Solution :**

The correct answer is **option 1** i.e. **South Korean : Rupiya**

Understanding	Application
In option 2, 3 and 4 2nd word is the currency of 1st word (Country).	But currency of South Korea is not Rupiya.  Hence, South Korean: Rupiya is the odd one.

**Question 64 :**

Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.

Frown : Displeasure



Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Laugh : Comedy
2. Madness : Illness
3. Smile : Ecstasy
4. Grief : Sorrow

Solution :

The correct answer is **option 3** i.e. **Smile : Ecstasy**

Understanding	Application
<p>Frown : Displeasure</p> <p>Frown is an expression of displeasure or disapproval.</p> <p>In other words, frown is a state of mind and displeasure is a feeling.</p>	<p>Similarly, Smile is an expression and ecstasy is a feeling.</p> <p>But in other word-pair, both the words express feeling.</p> <p>Hence, Smile : Ecstasy is the correct answer.</p>

Question 65 :

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

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. GESO
2. MZLY
3. IVHU
4. KXJW

Solution :

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

Understanding	Application
MZLY, IVHU, KXJW  In all these letter clusters, 1st letter comes just after 3rd letter in the English alphabet series, and the 2nd letter comes just after 4th letter in the English alphabet series.	  But in GESO, this is not happening. Hence, it is an odd one.

**Question 66 :**

If FLOWER is coded as 14 and DISTASTE is coded as 18, then how will BUREAUCRAT be coded as?

**Difficulty : Moderate**

**Average Time : 53 Seconds**

**Options :**

1. 18
2. 22
3. 28
4. 20

**Solution :**

The correct answer is **option 2** i.e. **22**

Understanding	Application
---------------	-------------

Code = (Total no. of letters in the word + 1) × 2	
FLOWER has 6 letters: Code = (6 + 1) × 2 = 14	Similarly, BUREAUCRAT has 10 letters: Code = (10 + 1) × 2 = 22
DISTASTE has 8 letters: Code = (8 + 1) × 2 = 18	

**Question 67 :**

P is the father of Q and R is the son of S. T is the brother of P. Q is the sister of R. How is S related to T?

Difficulty : Moderate

Average Time : 52 Seconds

**Options :**

1. Brother-in-law
2. Brother
3. Sister-in-law
4. Daughter

**Solution :**

The correct answer is **option 3** i.e. **Sister-in-law**

Understanding	Application
<p>The following family tree diagram can be drawn from the given information:</p> <pre> graph LR     S --- P     P --- T     P --- Q     Q --- R         </pre>	<p>Thus, we can see that S is the sister-in-law of T.</p>



**Question 68 :**

Select the option that is related to the third letter cluster in the same way as the second letter cluster is related to the first letter cluster. DKFI : FMHK :: BLGP : ?

Difficulty : Moderate

Average Time : 57 Seconds

**Options :**

1. DNER
2. CKHO
3. DNIR
4. ZNEN

**Solution :**

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

DKFI : FMHK

D + 2 = F

K + 2 = M

F + 2 = H

I + 2 = K

Similarly for BLGP,

B + 2 = D

L + 2 = N

G + 2 = I

P + 2 = R

Hence, **DNIR** is the correct answer.

**Question 69 :**

Select the most appropriate word to fill in the blank. A number of Indian goods face a \_\_\_\_\_ competition from Chinese goods in terms of prices and looks.

Difficulty : Moderate

Average Time : 49 Seconds

**Options :**

**Bold**

2. Powerless

3. Fierce

4. Angry

**Solution :**

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

Concept/Grammar rules	Application
The sentence implies that a powerful competition is faced by Indian goods from Chinese goods.	<p><b>'Fierce'</b> meaning <b>'powerful and destructive'</b> is the appropriate fit for the above-given blank.</p> <p>Ex: The proposal has faced <b>fierce</b> opposition.</p> <p><b>Hence, the chosen option is correct.</b></p>

**Question 70 :**

Identify the SYNONYM of the given word: INARTICULATE

Difficulty : Moderate

Average Time : 55 Seconds

**Options :**

1. Eloquent

2. Fluent

3. Inevitable

4. Incoherent

**Solution :**

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

Word meaning	Usage	Synonyms	Antonyms
<p>Inarticulate means “<b>not expressed in words</b>”.</p> <p>Incoherent means not logical or internally consistent.</p> <p>Hence, these two words are synonyms.</p>	<p>E.g. He did not speak, but he made an <b>inarticulate</b> noise between a grunt and a sniff.</p>	<p>Incoherent</p> <p>Blurred</p> <p>Dumb</p> <p>Faltering</p>	<p>Articulate</p> <p>Communicative</p>
<p><b>Meaning of other words:</b></p> <p><b>Eloquent:</b> fluent or persuasive in speaking or writing.</p> <p><b>Fluent:</b> able to express oneself easily and articulately.</p> <p><b>Inevitable:</b> certain to happen; unavoidable.</p>			

**Question 71 :**

Given below are four jumbled sentences. Select the option that gives their correct order. A. And 844 million don't have access to clean water close to home, according to the latest report by WaterAid. B. Around 4 billion people in the world live in physically water-scarce areas. C. It is because globally we use six times as much water today as we did 100 years ago. D. The world's water crisis is getting worse.

Difficulty : Moderate

Average Time : 94 Seconds

**Options :**

1. CADB
2. BDCA

DACB

4. DCBA

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

Concept/Grammar rules	Application
<p>The sentence D is the first sentence of the passage as it introduces the subject i.e. <b>'world's water crises.'</b></p> <p><b>DC</b> is the mandatory pair as it gives the problem and the reason of water crisis.</p> <p><b>Sentence B</b> gives the number of people living in water-scarce areas. <b>'And'</b> in the sentence A further adds on the fact that 844 million don't have access to clean water close to home.</p> <p>Hence sentence B is 3rd.</p> <p>Therefore, sentence A becomes the last sentence.</p>	<p>Hence, the rearranged order is <b>option 4 i.e. DCBA.</b></p>

**Question 72 :**

Identify the ANTONYM of the given word: EXCEPTIONAL

Difficulty : Moderate

Average Time : 71 Seconds

**Options :**

1. Uncommon
2. Unthinkable
3. Unimagineable

Unremarkable

**Solution :**

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

Word meaning	Usage	Synonyms	Antonyms
<p><b>Exceptional:</b> much greater than usual, especially in skill, intelligence, quality, etc.</p> <p><b>Unremarkable</b> : unworthy or unlikely to be noticed.</p> <p>Hence, these two words are antonyms.</p>	<p>For E.g. His next move proved that his cunning was of an exceptional order.</p>	<p>Extraordinary</p> <p>Notable</p> <p>Noteworthy</p> <p>Odd</p> <p>Phenomenal</p>	<p>Standard</p> <p>Typical</p> <p>Unexceptional</p> <p>Unimportant</p> <p>Unremarkable</p>

**Meaning of other words:**

- **Uncommon:** out of the ordinary; unusual.
- **Unthinkable:** too unlikely or undesirable to be considered a possibility.
- **Unimaginable:** difficult or impossible to imagine or comprehend.

**Hence, the chosen option is correct.**

**Question 73 :**

Select the most appropriate meaning of the given idiom. Pull someone's leg.

**Difficulty :** Moderate

**Average Time :** 85 Seconds

**Options :**

1. Tell someone a secret

Deceive someone playfully

3. Get upset with someone
4. Trust Someone

**Solution :**

The correct answer is **option 2** i.e. **Deceive someone playfully.**

Idiom meaning	Usage
The idiom “ <b>pull someone’s leg</b> ” means “ <b>to make someone believe something that is not true as a joke : to trick or lie to someone in a playful way.</b> ”	Ex: I love pulling my sister's leg—it's almost too easy to annoy her.  <b>Hence, option 2 depicts the correct meaning.</b>

**Question 74 :**

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement'. She read the novel since she got up in the morning.

Difficulty : Moderate

Average Time : 66 Seconds

**Options :**

1. reads the novel
2. Has been reading that novel
3. has read the novel
4. No improvement

**Solution :**

The correct answer is **option 2** i.e. **Has been reading that novel.**

Concept	Usage
---------	-------

In the sentence, we can observe that ' <b>since</b> ' is used that implies that the work has started in the past and continued up till now. Hence, present perfect continuous tense must be used here. (has/have + been + V1 + ing)	Correct sentence:  She has been reading that novel since she got up in the morning.  <b>Hence, the chosen option is correct.</b>
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**Question 75 :**

Given below are four jumbled sentences. Select the option that gives their correct order. A. An estimated 70% of this plastic enters the sea sinks. B. This is a problem that stretches far beyond India. C. Eight million tonnes of plastic ends up in the world 's oceans every year, causing damage to the fragile ecosystem. D. And much of it is not biodegradable.

Difficulty : Moderate

Average Time : 84 Seconds

**Options :**

1. ADBC
2. CADB
3. CDBA
4. ABDC

**Solution :**

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

Concept/Grammar rules	Application
-----------------------	-------------

The first sentence always introduces a topic and is independent in its meaning.

The sentence C is the first sentence of the passage as it introduces the subject i.e.

**‘water pollution caused due to plastic’.**

‘AD’ is a mandatory pair because it mentions that the plastic which enters the sea is not biodegradable.

**Sentence 'B'** sounds as a conclusive line of the paragraph.

Hence, the rearranged order is **CADB.**

**Question 76 :**

Select the ANTONYM of the given word. Pardon

Difficulty : Moderate

Average Time : 64 Seconds

**Options :**

1. Kindness
2. Grace
3. Mercy
4. Punish

**Solution :**

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

Word meaning	Usage	Synonym	Antonym
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<p><b>Pardon:</b> forgive or excuse (a person, error, or offence).</p> <p><b>Punish:</b> inflict a penalty or sanction on someone for an offence.</p> <p><b>Hence, these two words are antonyms.</b></p>	<p>For E.g. I beg your pardon, miss, but will you allow me to make one remark!</p>	<p>absolution allowance amnesty clemency mercy</p>	<p>blame conviction Punish chastisement condemnation</p>
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Meaning of  
other  
words:-

**Kindness:**  
a kind act.

**Grace:**  
smoothness  
and  
elegance of  
movement.

**Mercy:**  
forgiveness  
shown  
towards  
someone  
whom it is  
within one's  
power to  
punish or  
harm.

**Hence, the chosen option is  
correct.**

**Question 77 :**

Select the correct passive form of the given sentence. Please show me my son's Mathematics notebook.

Difficulty : Moderate

Average Time : 87 Seconds

**Options :**

1. My son's Mathematics notebook was please shown to me.
2. My son may please be shown the Mathematics notebook.
3. You are requested to show me my son's Mathematics notebook.
4. I will please be shown my son's Mathematics notebook.

**Solution :**

The correct answer is **option 3** i.e. **You are requested to show me my son's Mathematics notebook.**

Concept	Usage
<p>The sentence given is an imperative sentence and showing the sense of request.</p> <p>The passive voice should have the structure 'You are requested to + verb + object'.</p>	<p><u>The passive voice would be:</u></p> <p>You are requested to show me my son's Mathematics book.</p> <p><b>Hence, the chosen option is correct.</b></p>

**Question 78 :**

Select the SYNONYM of the given word. INEPT

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

1. Clumsy
2. Strong
3. Capable
4. Fit

**Solution :**

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

Word meaning	Usage	Synonym	Antonym

<p><b>Inept:</b> generally incompetent</p> <p><b>Clumsy:</b> awkward in movement or in handling things.</p> <p>Hence, these two words are synonyms.</p>	<p>He is untrained, inept, but he will fill the place and draw the pay.</p>	<p>absolution allowance amnesty clemency mercy</p>	<p>able capable competent dexterous</p>
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**Question 79 :**

Select the correct active form of the given sentence. The crop was adversely affected by the inadequate rainfall.

Difficulty : Moderate

Average Time : 68 Seconds

**Options :**

1. The inadequate rainfall was adversely affecting the crop.
2. The adversely rainfall has affected the inadequate crop.
3. The inadequate crop adversely affected the rainfall.
4. The inadequate rainfall adversely affected the crop.

**Solution :**

The correct answer is **option 4** i.e., **The inadequate rainfall adversely affected the crop.**

Concept	Usage
---------	-------

<p>The sentence given is in passive form.</p> <p>Structure is '<b>was + V3</b>' that means the active voice would have been in past indefinite form.</p>	<p>Hence, the correct active voice:</p> <p>The inadequate rainfall adversely affected the crop.</p> <p><b>Hence, the chosen option is correct.</b></p>
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### Question 80 :

In the sentence identify the segment which contains the grammatical error. Torrential rains and winds of up to 170 km per hour swept away roads, homes, and bridges and knocking down power and communication lines.

Difficulty : Moderate

Average Time : 69 Seconds

### Options :

1. Knocking down
2. Homes and bridges
3. Swept away roads
4. Winds of up to

### Solution :

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

Concept	Usage
---------	-------

<p>There is concept of parallelism in the sentence.</p> <p>First verb used i.e. 'swept away' is in past indefinite form and next i.e. 'knocking down' must also be in past indefinite form.</p>	<p>Hence, 'knocking down' must be replaced with 'knocked down' and the correct sentence would be:</p> <p>Torrential rains and winds of up to 170 km per hour swept away roads, homes, and bridges and knocked down power and communication lines.</p> <p><b>Hence, the chosen option is correct.</b></p>
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**Question 81 :**

Select the wrongly spelt word.

Difficulty : Moderate

Average Time : 68 Seconds

**Options :**

1. Exite
2. Exclaim
3. Exchange
4. Exercise

**Solution :**

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

Correct spelling and meaning	Usage
------------------------------	-------

The word in option 1 i.e. Exite is wrongly spelt and the correct meaning is ' <b>Excite</b> ' with means ' <b>to make someone have strong feelings of happiness and enthusiasm</b> '.	He should therefore smile at the futile attempt to excite his jealousy.  <b>Hence, the chosen option is correct.</b>
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### Question 82 :

Select the word which means the same as the group of words given. A person who draws or produces maps.

Difficulty : Moderate

Average Time : 58 Seconds

### Options :

1. Choreographer
2. Cartographer
3. Lexicographer
4. Calligrapher

### Solution :

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

Word meaning	Meaning of the other words
--------------	----------------------------

**Cartographer:** a person who draws or produces maps.

Cartography is the study and practice of making maps.

**Lexicographer:** a person who compiles dictionaries.

**Choreographer:** a person who composes the sequence of steps and moves for a performance of dance.

**Calligrapher:** a person who is skilled at the art of calligraphy (producing beautiful writing, often with a special pen or brush).

**Hence, the chosen option is correct.**

### Question 83 :

Select the wrongly spelt word.

Difficulty : Moderate

Average Time : 62 Seconds

### Options :

1. **Conscience**
2. Commission
3. Comparable
4. Committee

### Solution :

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

Correct spelling and meaning	Usage
------------------------------	-------



<p>The word in option 1 i.e. Conscience is wrongly spelt and the correct meaning is '<b>Conscience</b>' with means '<b>the inner sense of what is right or wrong in one's conduct or motives</b>'.</p>	<p>We like to imagine literature as the still, small voice of human conscience.</p> <p><b>Hence, the chosen option is correct.</b></p>
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**Question 84 :**

Select the most appropriate meaning of the given idiom. Actions speak louder than words.

Difficulty : Moderate

Average Time : 58 Seconds

**Options :**

1. What you do is more important than what you say.
2. Do something without planning.
3. Look for solutions in the wrong place.
4. Take up a task that you cannot finish.

**Solution :**

The correct answer is **option 1, i.e. What you do is more important than what you say.**

Idiom meaning	Usage
<p>The idiom "<b>actions speak louder than words</b>" means "<b>what someone actually does means more than what they say they will do.</b>"</p> <p>Hence, option 1 correct.</p>	<p>Julie always says she'll donate to the school, and she never does, so I doubt she will this year. Actions speak louder than words, after all.</p> <p><b>Hence, the chosen option is correct.</b></p>

**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. Eager to control the South Atlantic, the British Navy had tasked Admiral Byron (1)\_\_\_\_\_ settling an island off the South American coast (2)\_\_\_\_\_ ships could resupply, and then finding an alternative (3)\_\_\_\_\_ to the East Indies. After rounding the tip of South America, Admiral Byron confronted the world's (4)\_\_\_\_\_ body of water: the endless Pacific Ocean. After a month of empty blue horizon, a tiny island (5)\_\_\_\_\_. Byron joyously described the island's "beautiful appearance – surrounded by a beach of the finest white sand – and covered with tall trees."

**Question 85 :**

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

**Difficulty : Moderate****Average Time : 99 Seconds****Options :**

1. stood up
2. came out
3. appeared
4. showed

**Solution :**

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

Word meaning	Application
The sentence implies that a tiny island became visible after a month of blue horizon.	<b>'Appear'</b> meaning <b>'come into sight; become visible or noticeable, especially without apparent cause'</b> is the apt fit for the blank.  <b>Hence, the chosen option is correct.</b>

**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. Eager to control the South Atlantic, the British Navy had tasked Admiral Byron (1)\_\_\_\_\_ settling an island off the South American coast (2)\_\_\_\_\_ ships could resupply, and then finding an alternative (3)\_\_\_\_\_ to the East Indies. After rounding the tip of South America, Admiral Byron confronted the world's (4)\_\_\_\_\_

body of water: the endless Pacific Ocean. After a month of empty blue horizon, a tiny island (5)\_\_\_\_\_. Byron joyously described the island's "beautiful appearance – surrounded by a beach of the finest white sand – and covered with tall trees."

**Question 86 :**

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

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

1. largest
2. more larger
3. larger
4. large

**Solution :**

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

Concept/Grammar rules	Application
Superlative form of the adjective will be used here.	The superlative form of the adjective 'large' i.e. ' <b>largest</b> ' is required for the blank.  <b>Hence, the chosen option is correct.</b>

**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. Eager to control the South Atlantic, the British Navy had tasked Admiral Byron (1)\_\_\_\_\_ settling an island off the South American coast (2)\_\_\_\_\_ ships could resupply, and then finding an alternative (3)\_\_\_\_\_ to the East Indies. After rounding the tip of South America, Admiral Byron confronted the world's (4)\_\_\_\_\_ body of water: the endless Pacific Ocean. After a month of empty blue horizon, a tiny island (5)\_\_\_\_\_. Byron joyously described the island's "beautiful appearance – surrounded by a beach of the finest white sand – and covered with tall trees."

**Question 87 :**

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

Difficulty : Moderate

Average Time : 84 Seconds

Options :

1. path
2. road
3. route
4. means

Solution :

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

Concept/Grammar rules	Application
The British Navy had asked Admiral Byron to find an alternative way to East Indies.	<b>'Route'</b> meaning a <b>way or course taken in getting from a starting point to a destination</b> is the apt fit for the blank.  <b>Hence, option 3 is the correct answer.</b>

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. Eager to control the South Atlantic, the British Navy had tasked Admiral Byron (1)\_\_\_\_\_ settling an island off the South American coast (2)\_\_\_\_\_ ships could resupply, and then finding an alternative (3)\_\_\_\_\_ to the East Indies. After rounding the tip of South America, Admiral Byron confronted the world's (4)\_\_\_\_\_ body of water: the endless Pacific Ocean. After a month of empty blue horizon, a tiny island (5)\_\_\_\_\_. Byron joyously described the island's "beautiful appearance – surrounded by a beach of the finest white sand – and covered with tall trees."

Question 88 :

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

Difficulty : Moderate

Average Time : 87 Seconds

**Options :**

1. there
2. where
3. then
4. whenever

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

Concept/Grammar rules	Application
An adverb having the meaning ' <b>to what place or position</b> ' is required in the blank.	' <b>Where</b> ' meaning ' <b>at, in, or to which (used after reference to a place or situation)</b> ' is the correct answer.  <b>Hence, option 2 is the correct answer.</b>

**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. Eager to control the South Atlantic, the British Navy had tasked Admiral Byron (1)\_\_\_\_\_ settling an island off the South American coast (2)\_\_\_\_\_ ships could resupply, and then finding an alternative (3)\_\_\_\_\_ to the East Indies. After rounding the tip of South America, Admiral Byron confronted the world's (4)\_\_\_\_\_ body of water: the endless Pacific Ocean. After a month of empty blue horizon, a tiny island (5)\_\_\_\_\_. Byron joyously described the island's "beautiful appearance – surrounded by a beach of the finest white sand – and covered with tall trees."

**Question 89 :**

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

Difficulty : Moderate

Average Time : 88 Seconds

**Options :**

1. with
2. for
3. of
4. from

**Solution :**

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

Concept/Grammar rules	Application
We use the preposition ' <b>with</b> ' after the verb ' <b>tasked</b> '. <b>Usage of preposition with:</b> We use with to mean ' <b>because of</b> ' or ' <b>as a result of</b> '. This is especially common in speaking: With all this work, I'd better stay in tonight. I couldn't sleep with the noise of the traffic.	Therefore, ' <b>with</b> ' should fill in the blank. <b>Hence, option 1 is correct.</b>

**Question 90 :**

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No improvement'. If I have money , I purchase this house.

Difficulty : Moderate

Average Time : 70 Seconds

**Options :**

1. I purchased
2. I will purchase
3. I have purchased
4. No improvement

**Solution :**

The correct answer is **option 2 i.e. I will purchase.**

Concept/Grammar rules	Application
<p>The sentence is an example of first conditional sentences.</p> <p>The first conditional has the present simple after 'if', then the future simple in the other clause:</p> <p>if + simple present, ... will + verb.</p> <p>Moreover, the sentence is an example of first conditional sentences.</p> <p>The first conditional has the present simple after 'if', then the future simple in the other clause:</p> <p>if + present simple, ... will + infinitive</p> <p>It's used to talk about things which might happen in the future.</p>	<p><u>The correct sentence:</u></p> <p>If I have money, I will purchase this house.</p> <p><b>Hence, the chosen option is correct.</b></p>

**Question 91 :**

In the sentence identify the segment which contains the grammatical error. She lost a big order from a known showroom in case of her own carelessness.

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

1. She lost a big order
2. her own carelessness

from a known showroom

4. in case of

**Solution :**

The correct answer is **option 4, i.e. in case of.**

Concept	Application
<p>The phrase '<b>in case</b>' means '<b>as a provision against something happening or being true</b>' .</p> <p>The sentence requires a conjunction which is used to introduce a clause expressing an explanation or reason.</p> <p>Some usages of "<b>In case of</b>":</p> <p>" <b>in case of</b> " is used to say what we should do if or when something happens, especially in official notes. ...</p> <p>" <b>in case of</b> " is a preposition we use with a noun to mean if or when something happens.</p>	<p>Hence, '<b>due to</b>' must be used in place of '<b>in case of</b>'</p> <p><b>Hence, option 4 is the correct answer.</b></p>

**Question 92 :**

Select the most appropriate word to fill in the blank. Many items made of ivory were \_\_\_\_\_ from a dealer in antiques by the custom authorities at the Delhi airport.

Difficulty : Moderate

Average Time : 83 Seconds

Options :



appropriated

2. confiscated

3. annexed

4. confiscated

**Solution :**

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

Concept	Application	Meaning of the other words
The sentence implies that the custom authorities seized many items made of ivory.	<p><b>'Confiscate'</b> means <b>'take or seize (someone's property) with authority'</b>.</p> <p><b>This word fits best in the sentence.</b></p>	<p><b>Appropriated:</b> devote (money or assets) to a special purpose.</p> <p><b>Annexed:</b> add as an extra or subordinate part, especially to a document.</p> <p><b>Hijacked:</b> to take control of an aircraft or other vehicle during a journey, especially using violence.</p> <p><b>Hence, the chosen option is correct.</b></p>

**Question 93 :**

Select the word which means the same as the group of words given. A cylindrical container bulging out in the middle, traditionally made of wooden staves for keeping oil, beer etc.

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. bale
2. barrel
3. bushin
4. bin

Solution :

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

Appropriate one word	Meaning of the other words
<p>A barrel is a large wooden container with a flat top and bottom and curving sides that are wider in the middle.</p> <p><b>Hence, it is the appropriate one word for the given phrase.</b></p>	<p><b>Bin:</b> a container for waste.</p> <p><b>Bale:</b> a large amount of something such as hay, paper, wool, or cloth that has been tied tightly.</p> <p><b>Bushel:</b> A bushel is an imperial and US customary unit of volume based upon an earlier measure of dry capacity.</p> <p><b>Hence, the chosen option is correct.</b></p>

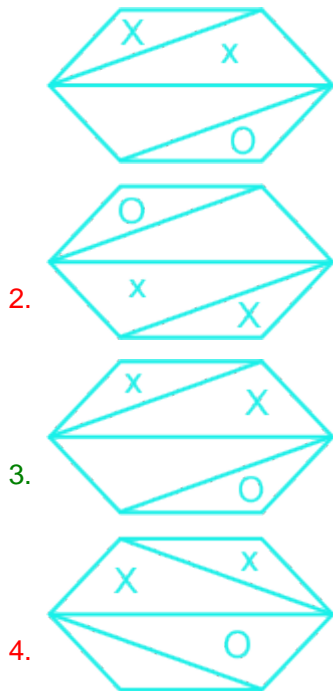
**Question 94 :**

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

Difficulty : Moderate

Average Time : 70 Seconds

Options :

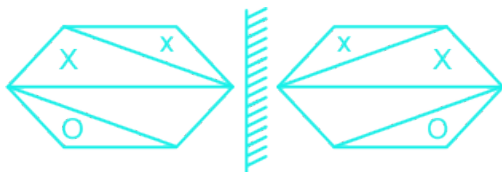


**Solution :**

The correct answer is **option 3**

### Understanding

The mirror image of the given figure along the mirror is shown below:



**Note:** Since the mirror is placed vertically beside the question figure, the image will be formed by inverting the question figure horizontally about the mirror.

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

Hence, option 3 is correct.

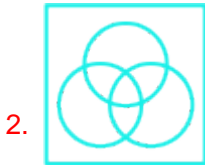
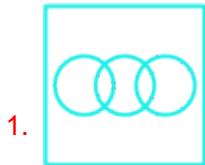
**Question 95 :**

Select the Venn diagram that best illustrates the relationship between the following classes. Graduates, Educated, Rich

**Difficulty : Moderate**

**Average Time : 79 Seconds**

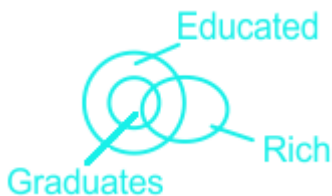
**Options :**



**Solution :**

The correct answer is **Option 4**

All Graduates must be Educated and some of the graduates as well as Educated are Rich.



So, the correct diagram is **Option 4**.

**Question 96 :**

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

Difficulty : Moderate

Average Time : 62 Seconds

Options :

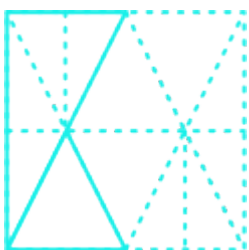
- 1.
- 2.
- 3.
- 4.



**Solution :**

The correct answer is **Option 2**.

The question figure is embedded in option figure 2 as shown below:



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

**Question 97 :**

The sequence of folding a piece of square paper and the manner in which the folded paper has been cut is shown. How will the paper appear when unfolded?

Difficulty : Moderate

Average Time : 69 Seconds

Options :

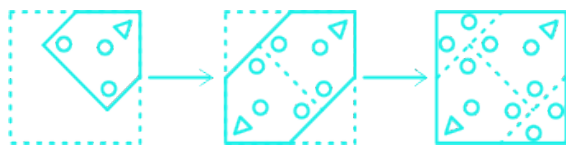
- 1.
- 2.
- 3.
- 4.

**Solution :**

The correct answer is **option 1**.

### Understanding

After unfolding, the paper will appear as follows:



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

**Question 98 :**

How many triangles are there in the following figure?

Difficulty : Moderate

Average Time : 69 Seconds

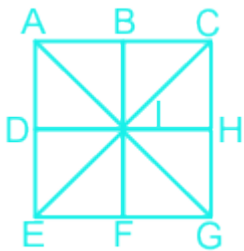
Options :

1. 12
2. 16
3. 14
4. 18

Solution :

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

### Understanding



In the figure, the triangles formed are: ACG, CGE, GEA, EAC, ACI, CGI, GEI, AEI, ABI, BCI, CHI, GHI, GFI, EFI, DEI, ADI.

Total **16 triangles**.

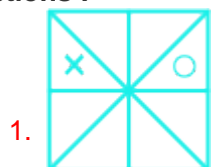
Question 99 :

Select the figure that will come next in the following figure series.

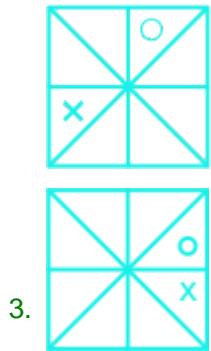
Difficulty : Moderate

Average Time : 48 Seconds

Options :



2.



3.

4. None of these

**Solution :**

The correct answer is **option 3**

- X is rotating in a clockwise direction in each step in the following given manner: +1, +2, +3, +4, +5
- O is rotating in an anti - clockwise direction in each step in the following given manner: +2, +2, +2

Therefore, the next figure that will come in the series is that shown in option 3.

**Question 100 :**

The rotated positions of a dice are given below. Which number will be at the top if '3' is at the bottom?

**Difficulty : Moderate**

**Average Time : 63 Seconds**

**Options :**

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

**Solution :**

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

Understanding	Application
---------------	-------------



Observing 1st and 2nd  
dice:

2 is common and four  
adjacent faces of 2  
have: 1, 4, 5, 6

Hence, the only  
remaining number  
'3' will be opposite to  
'2'

## Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2019-06-04 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 General Awareness, 25 questions were asked from Quantitative Aptitude, 25 questions were asked from Logical Reasoning and 25 questions were asked from English Language
4. 44 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. Science - 1
2. GK Misc - 24

### Quantitative Aptitude

1. Simplification - 1
2. Average - 1
3. Percentage - 1
4. Data Interpretation - 4
5. Time And Work - 1
6. Interest - 1
7. Ratios And Proportion - 1
8. Geometry - 3



- Trigonometry - 2
- 10. Mensuration - 2
- 11. Algebra - 4
- 12. Profit And Loss - 4

## Logical Reasoning

- 1. Coding Decoding - 3
- 2. Analogy - 5
- 3. Classification - 5
- 4. Missing Characters - 1
- 5. Blood Relations - 1
- 6. Syllogism - 1
- 7. Venn Diagrams - 1
- 8. Dictionary Based - 1
- 9. Figure Based - 3
- 10. Paper-cutting, Folding, Punching - 1
- 11. Mathematical Reasoning - 2
- 12. Cubes And Dice - 1

## English Language

- 1. Cloze Test - 25

# 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.