

# Rrb Ntpc CBT - 1 Previous Year Question Paper Overview

Here, you can solve all the questions asked in Rrb Ntpc CBT - 1 Previous Year Question Paper on 2016-04-03 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 Rrb Ntpc CBT - 1 exam. There are 100 questions in the exam and 90 minutes are provided for the Rrb Ntpc CBT - 1 exam. The Cutoff of the exam was 68 marks hence you should try to score at least 78 marks.

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

## Comprehension :

Comprehension Study the following diagram and answer aquestions based on it. The diagram represents the likes of children in a society.

## Question 1 :

How many children who like lion, also like the tiger?

Difficulty : Moderate

Average Time : 48 Seconds

## Options :

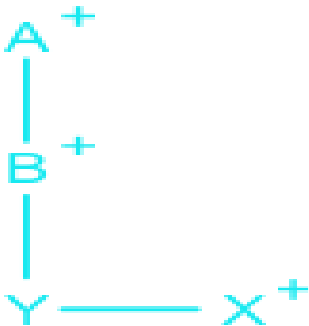
1. 5
2. 15
3. 35
4. 40

## Solution :

Correct Answer is option 4 i.e. 40

Concept	Application
---------	-------------

Given Venn Diagram:



Children who like lion, also like the tiger = **Children in shaded portion (Common area of circle and triangle)**  
 $= 35 + 5 = 40$

**Comprehension :**

Comprehension Study the following diagram and answer aquestions based on it. The diagram represents the likes of children in a society.

**Question 2 :**

The difference between children who like lepoard to those who like tiger is

Difficulty : Moderate

Average Time : 102 Seconds

**Options :**

1. 50
2. 35
3. 30
4. 5

**Solution :**

Correct Answer is option 2 i.e. 35

Concept	Application
---------	-------------

Given Venn Diagram:



From the Venn diagram:

Children who like leopard =  
Represented inside rectangle =  $30 + 35 + 20 + 35 = 120$

Children who like tiger =  
Represented inside triangle =  $35 + 5 + 45 = 85$

Hence,

Difference =  $120 - 85 = 35$

**Comprehension :**

Comprehension Study the following diagram and answer questions based on it. The diagram represents the likes of children in a society.

**Question 3 :**

How many children like both lion and leopard?

Difficulty : Moderate

Average Time : 116 Seconds

**Options :**

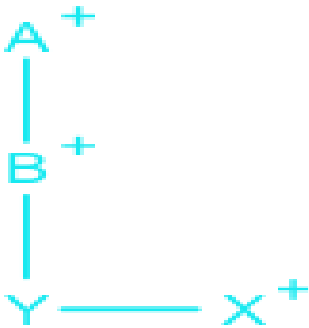
1. 35
2. 55
3. 90
4. 95

**Solution :**

Correct Answer is option 3 i.e. 90

Concept	Application
---------	-------------

Given Venn Diagram:



Children like both lion and leopard = **Children in shaded portion (Common area of circle and rectangle) =  $20 + 35 + 35 = 90$**

**Comprehension :**

Comprehension The bar chart represents percentage marks scored by four students U, V, W and X in History and Geography. Consider the bar chart and answer questions based on it.

**Question 4 :**

What is the average percentage marks obtained in History by all students?

Difficulty : Moderate

Average Time : 99 Seconds

**Options :**

- 1. 78%
- 2. 75%
- 3. 72.5%
- 4. 70%

**Solution :**

Correct Answer is option 3 i.e. 72.5%

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

Extract data from the bar graph.

Total marks obtained in History =  $75 + 63 + 80 + 72 = 290$

Average percentage marks =  $[290/400] \times 100 = 72.5\%$

**Comprehension :**

Comprehension The bar chart represents percentage marks scored by four students U, V, W and X in History and Geography. Consider the bar chart and answer questions based on it.

**Question 5 :**

What is the percentage difference in the total marks obtained in Geography and History?

Difficulty : Moderate

Average Time : 99 Seconds

**Options :**

1. 7.58%
2. 7%
3. 5.5%
4. 5%

**Solution :**

Correct Answer is option 3 i.e. 5.5%

Understanding	Application
Extract data from the bar graph.	Total marks obtained in Geography = $80 + 87 + 70 + 75 = 312$ Percentage = $[312/400] \times 100 = 78\%$
	Total marks obtained in History = $75 + 63 + 80 + 72 = 290$ Percentage = $[290/400] \times 100 = 72.5\%$

Hence, difference =  $78 - 72.5 = 5.5\%$

**Comprehension :**

Comprehension The bar chart represents percentage marks scored by four students U, V, W and X in History and Geography. Consider the bar chart and answer questions based on it.

**Question 6 :**

Who scored the highest percentage in both the subjects combined?

Difficulty : Moderate

Average Time : 142 Seconds

**Options :**

1. Both U and W
2. V
3. W
4. U

**Solution :**

Correct Answer is option 4 i.e. U

Understanding	Application	Calculation
U scored 75 & 80 in History and Geography	Percentage Score = 77.5%	$[(75 + 80)/200] \times 100$ $155/2$ $77.5$
V scored 63 & 87 in History and Geography	Percentage Score = 75%	$[(63 + 87)/200] \times 100$ $150/2$ $75$

W scored 80 & 70 in History and Geography	Percentage Score = 75%	$[(80 + 70)/200] \times 100$  $150/2$  75
X scored 72 & 75 in History and Geography	Percentage Score = 73.5	$[(72 + 75)/200] \times 100$  $147/2$  73.5
	Hence, U scored the highest percentage in both the subjects combined	

**Comprehension :**

Comprehension Consider the following information and answer questions based on it. Five pickles-mango, lime, tomato, gooseberry and garlic are kept in five jars, in a row, in a random order, from left to right. 1. Gooseberry is not on either extremes. 2. There is one jar between mango and garlic. 3. Tomato is placed on the left side of lime. 4. The second jar from the left contains garlic.

**Question 7 :**

The middle jar contains:

Difficulty : Moderate

Average Time : 313 Seconds

**Options :**

1. Mango
2. Tomato
3. Gooseberry
4. Lime

**Solution :**

Correct Answer is option 3 i.e. Gooseberry

**Application**

Five pickles - mango, lime, tomato, gooseberry and garlic are kept in five jars.

1. The second jar from the left contains garlic.

	Garlic			
--	--------	--	--	--

2. There is one jar between mango and garlic. (Hence mango will be on the right of Garlic)

	Garlic		Mango	
--	--------	--	-------	--

3. Gooseberry is not on either extreme. (Hence it will be in middle of Garlic and Mango.)

	Garlic	Gooseberry	Mango	
--	--------	------------	-------	--

4. Tomato is placed on the left side of lime. (Hence Lime will be on right end and Tomato at left end)

Tomato	Garlic	Gooseberry	Mango	Lime
--------	--------	------------	-------	------

Hence, The middle jar contains Gooseberry.

**Comprehension :**

Comprehension Consider the following information and answer questions based on it. Five pickles-mango, lime, tomato, gooseberry and garlic are kept in five jars, in a row, in a random order, from left to right. 1. Gooseberry is not on either extremes. 2. There is one jar between mango and garlic. 3. Tomato is placed on the left side of lime. 4. The second jar from the left contains garlic.

**Question 8 :**





Lime is \_\_\_\_\_ jar from left.

Difficulty : Moderate

Average Time : 328 Seconds

Options :

1. Fifth
2. Fourth
3. Third
4. First

Solution :

Correct Answer is option 1 i.e. Fifth.

Application

Five pickles - mango, lime, tomato, gooseberry and garlic are kept in five jars.

1. The second jar from the left contains garlic.

	Garlic			
--	--------	--	--	--

2. There is one jar between mango and garlic. (Hence mango will be on the right of Garlic)

	Garlic		Mango	
--	--------	--	-------	--

3. Gooseberry is not on either extreme. (Hence it will be in middle of Garlic and Mango)

	Garlic	Gooseberry	Mango	
--	--------	------------	-------	--

4. Tomato is placed on the left side of lime. (Hence Lime will be on right end and Tomato at left end)

Tomato	Garlic	Gooseberry	Mango	Lime
--------	--------	------------	-------	------

Hence, Lime is in the Fifth jar from left.

### Comprehension :

Comprehension Consider the following information and answer questions based on it. Five pickles-mango, lime, tomato, gooseberry and garlic are kept in five jars, in a row, in a random order, from left to right. 1. Gooseberry is not on either extremes. 2. There is one jar between mango and garlic. 3. Tomato is placed on the left side of lime. 4. The second jar from the left contains garlic.

### Question 9 :

There are two jars between which of the following:



Difficulty : Moderate

Average Time : 330 Seconds

Options :

1. Lime and Gooseberry
2. Gooseberry and Tomato
3. Mango and Lime
4. Tomato and Mango

Solution :

Correct Answer is option 4 i.e. Tomato and Mango.

Application



Five pickles - mango, lime, tomato, gooseberry and garlic are kept in five jars.

1. The second jar from the left contains garlic.

	Garlic			
--	--------	--	--	--

2. There is one jar between mango and garlic. (Hence mango will be on the right of Garlic)

	Garlic		Mango	
--	--------	--	-------	--

3. Gooseberry is not on either extreme. (Hence it will be in middle of Garlic and Mango)

	Garlic	Gooseberry	Mango	
--	--------	------------	-------	--

4. Tomato is placed on the left side of lime. (Hence Lime will be on right end and Tomato at left end)

Tomato	Garlic	Gooseberry	Mango	Lime
--------	--------	------------	-------	------

Hence, There are two jars between Tomato and Mango.

**Question 10 :**

A bank agrees to lend a loan to Arvind of Rs. 2,38,75,697 which falls short by 17% for starting his business. How much more loan would he need?

**Difficulty : Moderate****Average Time : 319 Seconds****Options :**

1. 4890203

4375303

3. 5700108

4. 5125533

**Solution :**

Correct Answer is option 1 i.e. 4890203

Understanding	Application
Approved amount = Rs. 2,38,75,697  Suppose total required loan = Rs. x	Hence, $x \times 0.17 = x - 23875697$ $0.83x = 23875697$ $x = 2387569700/83$ $x = 28765900$
	Hence, Amount of money needed more $= 28765900 - 23875697$ $= \text{Rs. } 4890203$

**Question 11 :**

What is the gravitational force exerted on a mass called?

Difficulty : Moderate

Average Time : 142 Seconds

**Options :**

1. Stress
2. Inertia
3. Weight
4. Work

**Solution :**

Correct Answer is option 3 i.e. Weight

- The gravitational force exerted on an object near the earth's surface is called the object's weight.
- Mass is considered a measure of an object's inertia, and its weight is the force exerted on the object in a gravitational field.
- On the surface of the Earth, the two forces are related by the acceleration due to gravity.

**Question 12 :**

The sum of two numbers is 437 and their product is 21982. Find the numbers.

Difficulty : Moderate

Average Time : 74 Seconds

**Options :**

1. 399 and 38
2. 295 and 142
3. 58 and 379
4. 323 and 114

**Solution :**

Correct Answer is option 3 i.e. 58 and 379

Understanding	Application
Suppose the numbers are x and y.	So, $x + y = 437$ and $xy = 21982$

Solving the equation will be difficult.

We can find the answer by using options.

Here,

$$399 \times 38 = 15162$$

$$295 \times 142 = 41890$$

$$58 \times 379 = 21982$$

$$323 \times 114 = 36822$$

Hence, option 3 is correct.

**Question 13 :**

Find the difference between the place value and face value of the digit 9 in the 229301?

Difficulty : Moderate

Average Time : 153 Seconds

**Options :**

1. 9292
2. 8991
3. 0
4. 220

**Solution :**

Correct Answer is option 2 i.e. 8991

Understanding	Application
Place value states the position of a digit in a given number, whereas face value describes the value of the digit.	229301 In this number: Place value of 9 = 9000 Face value of 9 = 9 Hence, Difference = $9000 - 9 = 8991$

**Question 14 :**



Jane won a lottery and gets  $\frac{1}{3}$ rd of the winning amount and donates Rs.6000 which is  $\frac{1}{6}$ th, find how much the lottery was worth.

Difficulty : Moderate

Average Time : 116 Seconds

Options :

1. 36000
2. 18000
3. 54000
4. 108000

Solution :

Correct Answer is option 4 i.e. 108000

Understanding	Application
Suppose the lottery was worth Rs. X	Since he gets $\frac{1}{3}$ <sup>rd</sup> of winning amount. Amount of money he gets = Rs. $\frac{x}{3}$
He donates Rs. 6000 which is $\frac{1}{6}$ <sup>th</sup> of received amount.	Hence, $(\frac{x}{3})/6 = 6000$ $x = 18 \times 6000$ $x = 108000$ Hence, lottery was worth Rs. 108000

Question 15 :

What was recently discovered hidden under ice in Antartica?

Difficulty : Moderate

Average Time : 139 Seconds

Options :

1. A massive mountain range
2. A lost Kingdom



A massive canyon system and lake

#### 4. A huge Dinosaur Skeleton

**Solution :**

Correct Answer is option 3 i.e. A massive canyon system and lake

- Scientists have found evidence pointing to what looks like the world's largest canyon, hidden under ice in the Antarctic.
- The landscape indicated by the satellite data suggests the canyon system in its entirety is approximately 1,100 kilometres in length (683 miles) and is as deep as 1 kilometre (0.6 miles) below sea level in places.

**Question 16 :**

How many litres of water can be stored in a tank of 1m length, 1/2 m breadth, and 1/2 m tall?

**Difficulty :** Moderate

**Average Time :** 74 Seconds

**Options :**

1. 25,000
2. 250
3. 25
4. 2,500

**Solution :**

Correct Answer is option 2 i.e. 250

Understanding	Application
Length = 1 m Breadth = 1/2 m Height = 1/2 m	Hence, Capacity of tank = $1 \times 1/2 \times 1/2$ = 1/4 cubic meter



1 cubic meter = 1000 litres	So, $1/4$ cubic meter = $1/4 \times 1000$ = 250 litre
	Hence, 250 litres of water can be stored.

**Question 17 :**

If INSECT = @&amp;\*!#\$ and OR = %?, then CISTERN = \_\_\_\_\_

Difficulty : Moderate

Average Time : 155 Seconds

**Options :**

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

**Solution :**

Correct Answer is option 3 i.e. #@\*\$!?!&amp;

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

INSECT = @&\*!#\$  
And  
OR = %?  
Here, each word is represented by a symbol.

Then for CISTERN:  
C --- #  
I --- @  
S --- \*  
T --- \$  
E --- !  
R --- ?  
N --- &  
Hence, Code is #@\*\$!?!&

### Question 18 :

Four pairs of words are given. Find the odd one out.

Difficulty : Moderate

Average Time : 140 Seconds

### Options :

1. Ear : Hearing
2. Tongue : Taste
3. Mouth : Speech
4. Light : Vision

### Solution :

Correct Answer is option 4 i.e. Light : Vision

Understanding

Application

Logic:  
(Body part) : Usage

Ear is for hearing.  
Tongue is for taste.  
Mouth is for speech.  
But Light : Vision does not belong to this group hence odd one.

**Question 19 :**

Select the alternative that shows a similar relationship as the given pair- Truthful : Honest

**Difficulty : Moderate****Average Time : 107 Seconds****Options :**

1. Notwithstanding : Nevertheless
2. Including : Excluding
3. Winning : Losing
4. Procuring : Disposing

**Solution :**

Correct Answer is option 1 i.e. Notwithstanding : Nevertheless

Understanding	Application
Truthful : Honest Honesty and truthfulness are not the same thing. Being honest means not telling lies. Being truthful means actively making known all the full truth of a matter.	Similarly, Notwithstanding and Nevertheless have same meanings i.e. in spite of; without being opposed or prevented by. Hence, option 1 is correct. Other options have pair of words with opposite meanings.

**Question 20 :**



If  $x$  is an even number, what is the consecutive odd number?

Difficulty : Moderate

Average Time : 115 Seconds

Options :

1.  $x-1$
2.  $x+1$
3.  $x+2$
4.  $x-2$

Solution :

Correct Answer is option 2 i.e.  $x + 1$

Application

Given:

$x$  is an even number.

Any number that can be exactly divided by 2 is called as an even number.

So every alternate number starting with 0 will be even number and other numbers are odd numbers.

Hence,  $(x + 1)$  will be consecutive odd number.

Question 21 :

Solve:  $1 + \tan^2 = ?$

Difficulty : Moderate

Average Time : 88 Seconds

Options :

1.  $\cos^2$
2.  $\sec^2$
3.  $\tan^2$
4. 2

**Solution :**

Correct Answer is option 2 i.e.  $\text{Sec}^2$

Understanding	Application
Formula: Tan = Sin/Cos $\text{Cos}^2 + \text{Sin}^2 = 1$	$1 + \tan^2$ $= 1 + \text{Sin}^2/\text{Cos}^2$ $= (\text{Cos}^2 + \text{Sin}^2)/\text{Cos}^2$ $= 1/\text{Cos}^2$ $= \text{Sec}^2$

**Question 22 :**

Who has never been a Vice President of India?

Difficulty : Moderate

Average Time : 136 Seconds

**Options :**

1. Mohammad Hamid Ansari
2. A P J Abdul Kalam
3. Ramaswamy Venkataraman
4. Sahnkar Dayal Sharma

**Solution :**

Correct Answer is option 2 i.e. A P J Abdul Kalam

- A P J Abdul Kalam was an aerospace scientist who served as the 11th President of India from 2002 to 2007. He was born and raised in Rameswaram, Tamil Nadu and studied physics and aerospace engineering.
- He has never been a Vice President of India.

- Mohammad Hamid Ansari: Vice President of India (2007–2017)
- Ramaswamy Venkataraman: 7th Vice President of India (1984 – 1987)
- Shankar Dayal Sharma: 8th Vice President of India (1987 – 1992)

**Question 23 :**

A statement followed by some conclusions are given below. Statement: The price of pulses has increased steeply. Conclusions: I. People cannot buy pulses. II. Pulses have become a rare commodity. Find which of the given conclusions logically follow from the given statement.

Difficulty : Moderate

Average Time : 104 Seconds

**Options :**

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

**Solution :**

Correct Answer is option 4 i.e. Neither I nor II follows.

Understanding

Application

**Statement:** The price of pulses has increased steeply.

**Conclusions:**

I. People cannot buy pulses. **(Not follows as People who can afford high price of pulses can buy).**

II. Pulses have become a rare commodity. **(Not follows as there could be other reasons of high prices also like high demand, high production cost etc.)**

Hence, Neither I nor II follows.

**Question 24 :**

What is the opposite of Dharma?

**Difficulty :** Moderate

**Average Time :** 117 Seconds

**Options :**

1. Adharma
2. Karma
3. Moksha
4. Maya

**Solution :**

Correct Answer is option 1 i.e. Adharma

Understanding



- Adharma is the Sanskrit antonym of dharma. It means "that which is not in accord with the dharma".
- Connotations include discord, disharmony, unnaturalness, wrongness, evil, immorality, wickedness, and vice.
- Dharma tell people the right way of living. Adharma is the antonym of Dharma. It refers to all actions which are not according to the Dharma.

### Question 25 :

An assertion (A) and a reson (R) are given below. Assertion(A): Leaves are green in colour. Reason(R): Chlorophyll, a green pigment is presint in leaves. Choose the correct option.

Difficulty : Moderate

Average Time : 89 Seconds

### Options :

1. Both A and R are true and R is the correct explanation of A
2. Both A and R are true, but R is not the correct explanation of A
3. A is true, but R is false
4. A is false, but R is true

### Solution :

Correct Answer is option 1 i.e. Both A and R are true and R is the correct explanation of A.

Understanding	Application
<b>Assertion (A):</b> Leaves are green in colour. <b>Reason (R):</b> Chlorophyll, a green pigment is present in leaves.	A green leaf is green because of the presence of a pigment known as chlorophyll, which is inside an organelle called a chloroplast.  Hence, A & R are true. And R is the correct explanation of A.

### Question 26 :

Looking at a photo, Anand said, "This man is the eldest son of my father's mother-in-law". How is Anand's mother related to this man?

Difficulty : Moderate

Average Time : 118 Seconds

Options :

1. Mother
2. Daughter
3. Maternal Aunt
4. Sister

Solution :

Correct Answer is option 4 i.e. Sister

Understanding	Application
Looking at a photo, Anand said, "This man is the eldest son of my father's mother-in-law".	<p>Here,</p> <p>Father's mother-in-law means Mother's mother (Z).</p> <p>And son of Mother's mother will be brother of the mother.</p> <p>Hence, Anand's mother will be sister of this man in the photo.</p>

Question 27 :

1.08 tonne = ? kg

Difficulty : Moderate

Average Time : 120 Seconds

Options :



10800

2. 108

3. 1080

4. 1.08

**Solution :**

Correct Answer is option 3 i.e. 1080

1 tonne = 1000 kg

Then,

1.8 tonne = 1080 kg

The tonne is a non-SI metric unit of mass. It is commonly referred to as a metric ton in the United States.

**Question 28 :**

Name the inter-governmental organization to promote international co-operation?

Difficulty : Moderate

Average Time : 67 Seconds

**Options :**

1. NATO

2. UN

3. WHO

4. IGO

**Solution :**

Correct Answer is option 2 i.e. UN

<b>What is UN?</b>	<ul style="list-style-type: none"> <li>• The United Nations is an intergovernmental organization that aims to maintain international peace and security, develop friendly relations among nations, achieve international cooperation, and be a center for harmonizing the actions of nations.</li> <li>• Secretary general: António Guterres</li> <li>• Headquarters: New York, United States</li> <li>• Founded: 24 October 1945</li> <li>• There were 51 Founding Members in 1945.</li> </ul>
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**Question 29 :**

Yash sells vegetables at 40 per kg and incurs a loss of 10%. If the total loss incurred is 144, what is the weight of vegetables sold?(Rounded off)

**Difficulty : Moderate**

**Average Time : 97 Seconds**

**Options :**

1. 36 kg
2. 32.40 kg
3. 35 kg
4. 39.2 kg

**Solution :**

Correct Answer is option 2 i.e. 32.40 kg

Understanding	Application	Calculation
Yash sells vegetables at 40 per kg and incurs a loss of 10%.	$SP = CP \times [1 - \text{loss}/100]$ So, $CP = \text{Rs. } 400/9$	$40 = CP \times [1 - 0.1]$ $CP = 40/0.9$ $CP = 400/9$

Loss = CP – SP	So,	$400/9 - 40$
	Loss in 1 kg = Rs. 40/9	40/9
Total loss = Rs. 144	So,	$144 \times 9/40$
	Weight of vegetable sold = 32.4 kg	32.4

**Question 30 :**

Who is called India's Child Surgeon?

Difficulty : Moderate

Average Time : 225 Seconds

**Options :**

1. Akrit Pran Jaswal
2. Tathagat Avtar Tulsi
3. Nischal Narayanam
4. Sudhma Verma

**Solution :**

Correct Answer is option 1 i.e. Akrit Pran Jaswal

<b>Akrit Pran Jaswal:</b>	<ul style="list-style-type: none"> <li>• Akrit Pran Jaswal, a young child, successfully conducted a surgery just at the age of 7.</li> <li>• On November 19, 2000, Akrit successfully performed a surgery on an 8-year-old girl who was older than this young surgeon himself.</li> <li>• He became the youngest student to gain admission into a university at the age of 11, where he began to pursue a degree in science.</li> <li>• Currently he's studying Bioengineering at IIT Kanpur.</li> </ul>
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**Question 31 :**

Which signs should be interchanged if the equation below needs to be true?  $2 \div 16 - 2 + 6 \times 1 = 0$

Difficulty : Moderate

Average Time : 95 Seconds

Options :

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

Solution :

Correct Answer is **option 3** i.e.  $-$  and  $\div$ 

Understanding	Application
$2 \div 16 - 2 + 6 \times 1 = 0$ We need to check each option.	Option 1: $\times$ and $-$ $2 \div 16 \times 2 + 6 - 1 = 21/4 \neq 0$ Option 2: $-$ and $+$ $2 \div 16 + 2 - 6 \times 1 = -31/8 \neq 0$ Option 1: $-$ and $\div$ $2 - 16 \div 2 + 6 \times 1 = -6 + 6 = 0$ Option 1: $+$ and $\times$ $2 \div 16 - 2 + 6 \times 1 = 33/8 \neq 0$ Hence, option 3 is correct.

Question 32 :

What plant has the scientific name Solanum Tuberosum?

Difficulty : Moderate

Average Time : 137 Seconds

Options :

1. Potato
2. Tomato

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Pumpkin

4. Onion

**Solution :**

Correct Answer is option 1 i.e. Potato

Solanum Tuberosum:	<ul style="list-style-type: none"><li>• Solanum Tuberosum is the scientific name of Potato.</li><li>• The potato is a root vegetable native to the America.</li><li>• A raw potato is 79% water, 17% carbohydrates (88% is starch), 2% protein, and contains negligible fat.</li></ul>
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**Question 33 :**

+91 is the country calling code for which nation?

**Difficulty : Moderate**

**Average Time : 76 Seconds**

**Options :**

1. Canada
2. U.S.A
3. India
4. China

**Solution :**

Correct Answer is option 3 i.e. India

- Country calling codes or country dial-in codes are telephone number prefixes for reaching telephone subscribers in the networks of the member countries or regions of the International Telecommunication Union (ITU).
- +91 is the code for INDIA.
- The prefixes enable international direct dialing (IDD), and are also referred to as international subscriber dialing (ISD) codes.

**Question 34 :**

A politician distributed 285 kg of sugar among the people of a village counting 1487. Find out how much sugar does each person get?

Difficulty : Moderate

Average Time : 75 Seconds

**Options :**

1. 1.91 kg
2. 191 kg
3. 0.191 kg
4. 19.1 kg

**Solution :**

Correct Answer is option 3 i.e. 0.191 kg

Understanding	Application	Calculation
Total amount of Sugar = 285 kg Total People = 1487	So, Amount of sugar each person get = 0.191 kg	$285/1487$ 0.191

**Question 35 :**

A sum borrowed at 6% p.a. earns an interest which is 1/3rd of its principal in x years. Find x.

Difficulty : Moderate

Average Time : 126 Seconds

**Options :**





50/9

2. 38/9

3. 45/7

4. 23/4

**Solution :**

Correct Answer is option 1 i.e. 50/9

Understanding	Application
Given: R = 6% T = x years Principal = P SI = P/3	Hence, $P/3 = [P \times 6 \times x]/100$ $x = 100/18 = 50/9$ years

**Question 36 :**

What does PNR stand for?

Difficulty : Moderate

Average Time : 115 Seconds

**Options :**

1. Public Number in Railways
2. Passenger Name Record
3. Passenger Number Reservation
4. Priority Number in Reservation

**Solution :**

Correct Answer is option 2 i.e. Passenger Name Record.

What is PNR?

- PNR stands for Passenger Name Record.
- In travel industries, a PNR is a record in the database of a computer reservation system that consists of the personal information for a passenger and also contains the itinerary for the passenger, or a group of passengers travelling together.

**Question 37 :**

When did Sikkim become a state of India?

**Difficulty : Moderate**

**Average Time : 79 Seconds**

**Options :**

1. 1975
2. 1973
3. 1972
4. 1950

**Solution :**

Correct Answer is option 1 i.e. 1975

- On 16 May 1975, Sikkim became the 22nd state of the Indian Union, and the monarchy was abolished.
- To enable the incorporation of the new state, the Indian Parliament amended the Indian Constitution.
- It is for this cause that this day is celebrated as the Sikkim Day.
- After independence, Sikkim remained an independent country, until it merged with India in 1975 after a decisive referendum.

**Question 38 :**

If the mathematical operator '+' means 'x', '÷' means '-', '-' means '+', and 'x' means '÷', find the value of  $1 \times 2 + 6 - 2 \div 7$

**Difficulty : Moderate**

**Average Time : 85 Seconds**

**Options :**

2

2. -2

3. 3

4. -1

**Solution :**Correct Answer is **option 2** i.e. **-2**

Understanding	Application
Given: '+' means 'x', '÷' means '—' '—' means '+' and 'x' means '÷'	$1 \times 2 + 6 - 2 \div 7$ Interchanging the sign as given: $1 \div 2 \times 6 + 2 - 7$ $= 3 + 2 - 7$ $= -2$

**Question 39 :**

What is the official language in Bhutan?

**Difficulty : Moderate****Average Time : 124 Seconds****Options :**

1. English

2. Hindi

3. Dzongkha

4. Khmer

**Solution :**

Correct Answer is option 3 i.e. Dzongkha



- **Dzongkha** was declared the national language of **Bhutan** in 1971.
- The word Dzongkha means the language (Kha) spoken in the Dzong.
- Dzongkha study is mandatory in all schools, and the language is the lingua franca in the districts to the south and east where it is not the mother tongue.
- Khmer is the language of the Khmer people and the official language of **Cambodia**.

**Question 40 :**

Where is mosque, Adhai din ka Jhonpra located?

Difficulty : Moderate

Average Time : 81 Seconds

**Options :**

1. Agra
2. Ajmer
3. Ahmedabad
4. Mt. Abu

**Solution :**

Correct Answer is option 2 i.e. Ajmer

Adhai din ka Jhonpra:

- Adhai Din Ka Jhonpra is a large and imposing structure in the city of Ajmer in Rajasthan, India.
- It is one of the oldest mosques in India, and the oldest surviving monument in Ajmer.
- It is said to be built within two and a half days by the order of Mohammad Ghori.

**Question 41 :**

What is an interstellar cloud of dust, hydrogen, helium and other ionized gases called?

Difficulty : Moderate

Average Time : 84 Seconds

Options :

1. Galaxy
2. Supernova
3. Nebula
4. Black Hole

Solution :

Correct Answer is option 3 i.e. Nebula

- **Nebula:** A nebula is a giant cloud of dust and gas in space. Some nebulae come from the gas and dust thrown out by the explosion of a dying star, such as a supernova. Other nebulae are regions where new stars are beginning to form.
- **Supernova:** A supernova is a powerful and luminous stellar explosion. This transient astronomical event occurs during the last evolutionary stages of a massive star.
- **Black Hole:** A black hole is a region of spacetime where gravity is so strong that nothing—no particles or even electromagnetic radiation such as light—can escape from it.

Question 42 :

Read the following and answer the question based on it. Proteins are used by the body for energy, metabolism, gene growth and maintenance. 10 to 35 percent of the daily calorie intake should ideally consist of proteins. They are found in all cells of the body. Hair and nail are made up of a protein called keratin, having sulphur bonds. Curlier hair has more sulphur links. Too much intake of protein can sometimes lead to body weight. Proteins \_\_\_\_\_

Difficulty : Moderate

Average Time : 107 Seconds

Options :

1. Are not used by the body for any of its functions.
2. Are required by the body in adequate quantities.
3. Makes hair shiny, lengthy and black.
4. Do not cause weight gain.

Solution :

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Correct Answer is option 2 i.e. Are required by the body in adequate quantities.

It is mentioned in the passage that 10 to 35 percent of the daily calorie intake should ideally consist of proteins and they are used by the body for energy, metabolism, gene growth and maintenance.

Hence, option 2 i.e. 'Proteins are required by the body in adequate quantities' is the correct choice here.

**Question 43 :**

If by selling 20 cycles Vinay incurs a loss equal to the selling price of 2 cycles, find his loss percentage?

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

1. 10%
2. 11%
3. (40/3)%
4. (100/11)%

**Solution :**

Correct Answer is option 4 i.e. (100/11)%

Understanding	Application	Calculation
By selling 20 cycles Vinay incurs a loss equal to the selling price of 2 cycles.	$CP - SP = \text{Loss}$ So, $20CP - 20SP = 2SP$ $20CP = 22SP$ $CP/SP = 22/20$	
$\text{Loss \%} = [(CP - SP)/CP] \times 100$	So, $\text{Loss} = (100/11)\%$	$[(22 - 20)/22] \times 100$ 100/11

**Question 44 :**

The area of a rectangle is 42 sq.cm and its length is 75 cm. Find its perimeter.

**Difficulty : Moderate****Average Time : 176 Seconds****Options :**

1. 14 cm
2. 21 cm
3. 26 cm
4. 24 cm

**Solution :**

Correct Answer is option 3 i.e. 26 cm

Understanding	Application	Calculation
Area of rectangle = 42 sq.cm Length = 7 cm	Area = Length $\times$ Breadth So, Breadth = 6 cm	$42/7 = 6$
Perimeter = 2 $\times$ [Length + Breadth]	Hence, Perimeter = 26 cm	$2 \times [6 + 7]$ 26

**Question 45 :**

Find  $(x + y)^2 - (x - y)^2$

**Difficulty : Moderate****Average Time : 168 Seconds****Options :**

1.  $2x^2y^2$
2.  $4xy$
3.  $2x^2+2y^2$
4.  $x^2-y^2+2xy$

**Solution :**Correct Answer is option 2 i.e.  $4xy$ 

Understanding	Application
$(x + y)^2 = x^2 + y^2 + 2xy$	$(x + y)^2 - (x - y)^2$
And	Applying the formulas:
$(x - y)^2 = x^2 + y^2 - 2xy$	$x^2 + y^2 + 2xy - x^2 - y^2 + 2xy$
	$4xy$

**Question 46 :**

What is India's famous comic series started by Anant Pai called?

**Difficulty :** Moderate**Average Time :** 127 Seconds**Options :**

1. Raj Comics
2. Amar Chitra Katha
3. Tinkle
4. Chandamama

**Solution :**

Correct Answer is option 2 i.e. Amar Chitra Katha.

- Amar Chitra Katha, is an Indian publisher of graphic novels based on biographies, religious figures and cultural stories.
- The company was founded in 1967 by Anant Pai.
- The comic series was started by Anant Pai in an attempt to teach Indian children about their cultural heritage.

**Question 47 :**Find  $\sin(90^\circ - )$ **Difficulty :** Moderate**Average Time :** 70 Seconds



**Options :**

1.  $\cos 90^\circ$
2.  $1/2$
3. 1
4.  $\cos$

**Solution :**

Correct Answer is option 4 i.e.  $\cos$

Understanding	Application
Formula: $\sin(A - B) = \sin A \cos B - \cos A \sin B$	Applying the formula: $\sin(90 - ) = \sin 90 \cos - \cos 90 \sin$ $\sin(90 - ) = 1 \times \cos - 0 \times \sin$ $\sin(90 - ) = \cos$

**Question 48 :**

What is "Binary Electronics Sequence Calculator" (BESK), created in 1953?

Difficulty : Moderate

Average Time : 117 Seconds

**Options :**

1. Electronics Computer
2. Analogous Computer
3. Digital Computer
4. A Banker's Calculator

**Solution :**

Correct Answer is option 1 i.e. Electronic computer

- BESK "Binary Electronic Sequence Calculator" was Sweden's first electronic computer, using vacuum tubes instead of relays.
- It was developed by Swedish Board for Computing Machinery and for a short time it was the fastest computer in the world.
- The computer was completed in 1953 and in use until 1966.

**Question 49 :**

A man walks at a certain speed and reaches his destination which is 6 km in 1 hr 40 minutes. If he runs the same distance in 1 hour 20 minutes what is the difference in speed?

**Difficulty : Moderate**

**Average Time : 79 Seconds**

**Options :**

1. 1 km/hr
2. 0.9 km/hr
3. 1.5 km/hr
4. 1.9 km/hr

**Solution :**

Correct Answer is option 2 i.e. 0.9 km/hr

Understanding	Application	Calculation
Distance = 6 km and Time = 1 hr 40 min = 100 min = 5/3 hours	Speed = Distance/Time So, Speed = 3.6 km/hr	6/(5/3) 18/5 3.6
New time = 1 hour 20 minutes = 80 min = 4/3 hours	So, New speed = 4.5 km/hr	6/(4/3) 18/4 4.5

Hence,	4.5 – 3.6
Difference of speed = 0.9 km/hr	0.9

**Question 50 :**

If GUITAR = HTJSBQ, then VIOLIN = \_\_\_\_\_

Difficulty : Moderate

Average Time : 250 Seconds

**Options :**

1. WHPKHM
2. WHPKJM
3. WHKPHM
4. WHKPJM

**Solution :**

Correct Answer is option 2 i.e. WHPKJM

Concept	Application
GUITAR = HTJSBQ	Similarly,
Here,	For VIOLIN:
$G + 1 = H$	$V + 1 = W$
$U - 1 = T$	$I - 1 = H$
$I + 1 = J$	$O + 1 = P$
$T - 1 = S$	$L - 1 = K$
$A + 1 = B$	$I + 1 = J$
$R - 1 = Q$	$N - 1 = M$
	Hence, WHPKJM is the answer.

**Question 51 :**

The mean of the marks scored by 12 students of a class is 67.4. If the mean of another class consisting of 15 students is 72.3, find their combined mean?

**Difficulty : Moderate**

**Average Time : 164 Seconds**

**Options :**

- 1. 70.12
- 2. 69.85
- 3. 71.23
- 4. 68.94

**Solution :**

Correct Answer is option 1 i.e. 70.12

Understanding	Application	Calculation
The mean of the marks scored by 12 students of a class is 67.4	So, Total marks = Mean × total students = 808.8	12 × 67.4 808.8
Mean of another class of 15 students is 72.3.	So, Total marks = 1084.5	15 × 72.3 1084.5
Combined mean = [Total marks of both classes]/[Total students in both classes]	So, Combined mean = 70.12	[808.8 + 1084.5]/[12 + 15] 1893.3/27 70.12

**Question 52 :**

Eggs sold by a shopkeeper over a week is given in the table below. Eggs sold in dozens Day Sales in dozen Sunday 12 Monday 8 Tuesday 11 Wednesday 5 Thursday 9 Friday 10 Saturday 10 If the price of one egg was Rs.2.50, how much more did he earn on Friday than on Monday?



Difficulty : Moderate

Average Time : 242 Seconds

Options :

1. 25 rupees
2. 2.50 rupees
3. 60.00 rupees
4. 3.25 rupees

Solution :

Correct Answer is option 3 i.e. Rs. 60

Understanding	Application	Calculation
Sale on Friday = 10 dozen Sale of Monday = 8 dozen Price of one egg was Rs. 2.50	So, Difference of earning on Friday and Monday = Rs. 60	$2.5 \times [10 - 8] \times 12$ $2.5 \times 24$ 60

Question 53 :

Carl Sagan was:

Difficulty : Moderate

Average Time : 142 Seconds

Options :

1. An American astronomer
2. British Physicist
3. French Astronaut
4. American President

Solution :

Correct Answer is option 1 i.e. An American astronomer.

<p>Carl Sagan:</p>	<ul style="list-style-type: none"> <li>• He was an American astronomer, planetary scientist.</li> <li>• He is best known as a science popularizer and communicator.</li> <li>• Sagan helped NASA with U.S. space missions to Venus, Mars, and Jupiter. Particularly, his discovery of the high surface temperatures of the planet Venus is highly regarded.</li> <li>• He also worked on understanding the atmospheres of Venus and Jupiter and seasonal changes on Mars.</li> </ul>
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**Question 54 :**

I take a book from library containing 378 pages to be returned in a week's time. If I can read 14 pages an hour for three hours daily, for how long should it be renewed so that the book can be fully read?

Difficulty : Moderate

Average Time : 99 Seconds

**Options :**

1. 1 day
2. 3 days
3. 4 days
4. 2 days

**Solution :**

Correct Answer is option 4 i.e. 2 days

Understanding	Application	Calculation
<p>Given, I can read 14 pages an hour for three hours daily.</p> <p>Total pages = 378</p>	<p>So,</p> <p>Time in which complete book can be read = 9</p>	<p><math>378 / (14 \times 3)</math></p> <p>9</p>

Since the book was issued for 1 week.	So, Remaining days = 2 days For 2 days, the book should be renewed.	$9 - 7 = 2$
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**Question 55 :**

Which was the host city of the first modern summer Olympic games held in 1896?

Difficulty : Moderate

Average Time : 177 Seconds

**Options :**

1. Athens
2. Paris
3. London
4. Amsterdam

**Solution :**

Correct Answer is option 1 i.e. Athens

Summer Olympic games 1896:	<ul style="list-style-type: none"><li>• The 1896 Summer Olympics, officially known as the Games of the Olympiad, was an international multi-sport event which was celebrated in Athens, Greece, from 6 to 15 April 1896.</li><li>• It was the first Olympic Games held in the Modern era.</li><li>• About 100,000 people attended for the opening of the games.</li><li>• The athletes competed in 43 events covering athletics (track and field), cycling, swimming, gymnastics, weightlifting, wrestling, fencing, shooting, and tennis.</li></ul>
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**Question 56 :**

What is Oneirology, the study of?

Difficulty : Moderate

Average Time : 90 Seconds

Options :

1. Gods
2. Dreams
3. Sleep
4. Colour

Solution :

Correct Answer is option 2 i.e. Dreams

**Oneirology:**

- Oneirology is the scientific study of dreams.
- Current research seeks correlations between dreaming and current knowledge about the functions of the brain, as well as understanding of how the brain works during dreaming as pertains to memory formation and mental disorders.

Question 57 :

What is  $C_6H_6$ ?

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. Hydro Carbon
2. Hydro Chloric Acid
3. Benzene
4. Toluene

Solution :

Correct Answer is option 3 i.e. Benzene



- $C_6H_6$  is the molecular formula of Benzene which is an organic chemical compound.
- The benzene molecule is composed of six carbon atoms joined in a ring with one hydrogen atom attached to each.
- As it contains only carbon and hydrogen atoms, benzene is classed as a hydrocarbon.

**Question 58 :**

In 1999 who was the Prime Minister of Pakistan who was overthrown by a Military coup led by General Pervez Musharraf?

Difficulty : Moderate

Average Time : 75 Seconds

**Options :**

1. Zulfikar Ali Bhutto
2. Zia ul-Haq
3. Nawaz Sharif
4. Yusuf Raza Gilani

**Solution :**

Correct Answer is option 3 i.e. Nawaz Sharif

- Nawaz Sharif is a Pakistani businessman and politician who served as the prime minister of Pakistan for three non-consecutive terms.
- Pervez Musharraf, Pakistani military officer who took power in a coup in 1999. He served as president of Pakistan from 2001 to 2008.
- The 1999 military takeover in Pakistan was a bloodless coup initiated by the military staff working under Chairman of the Joint Chiefs of Staff Committee General Pervez Musharraf seized the control of the civilian government of publicly elected Prime Minister Nawaz Sharif on 12 October 1999.

**Question 59 :**

In which century did Portuguese merchants first land in Goa?



Difficulty : Moderate

Average Time : 82 Seconds

Options :

1. 14<sup>th</sup>
2. 15<sup>th</sup>
3. 16<sup>th</sup>
4. 17<sup>th</sup>

Solution :

Correct Answer is **option 3** i.e. **16<sup>th</sup>**

- Portuguese merchants first land in Goa in the 16th Century.
- The Portuguese conquest of Goa occurred when the governor of Portuguese India Afonso de Albuquerque captured the city in 1510.
- Portuguese conquered Goa from Adil Shah of Bijapur and his Ottoman empire.

Question 60 :

LIGO, Laser Interferometer Observatory was recently in the news. Why?

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. Discovery of water in Mars
2. Discovery of a diamond-filled star
3. Detection of Gravitational waves
4. Proving Big Bang theory as wrong

Solution :

Correct Answer is option 3 i.e. Detection of Gravitational waves

**What is LIGO?**

- The Laser Interferometer Gravitational-Wave Observatory (LIGO) is a large-scale physics experiment and observatory to detect cosmic gravitational waves and to develop gravitational-wave observations as an astronomical tool.
- Two large observatories were built in the United States with the aim of detecting gravitational waves by laser interferometry.
- In 2017, the Nobel Prize in Physics was awarded to Rainer Weiss, Kip Thorne and Barry C. Barish "for decisive contributions to the LIGO detector and the observation of gravitational waves."

**Question 61 :**

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

**Difficulty :** Moderate

**Average Time :** 98 Seconds

**Options :**

1. ENNI
2. NEO
3. EPPI
4. REETH

**Solution :**

Correct Answer is option 3 i.e. EPPI

Concept	Application
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Rearranging the letters  
of these words:

ENNI --- NINE

NEO ---- ONE

EPPI ---- PIPE

REETH --- THREE

Here,

NINE, ONE & THREE all are numbers  
hence forming a group.

While PIPE is different from this group.

**Question 62 :**

In computers, what does Yosemite, Mavericks, Mountain Lion, Lion, Snow Leopard, Leopard, Tiger, Panther, Jaguar, Puma and Cheetah stand for?

Difficulty : Moderate

Average Time : 119 Seconds

**Options :**

1. Versions of Mac OS X
2. Types of Storage Services
3. Macintosh Clones
4. PowerBooks

**Solution :**

Correct Answer is option 1 i.e. Versions of Mac OS X

All these are the version of Mac OS X.

- OS X 10.5 Leopard (Chablis)
- OS X 10.6 Snow Leopard.
- OS X 10.7 Lion (Barolo)
- OS X 10.8 Mountain Lion (Zinfandel)
- OS X 10.9 Mavericks (Cabernet)
- OS X 10.10: Yosemite (Syrah)
- OS X 10.11: El Capitan (Gala)
- macOS 10.12: Sierra (Fuji)

**Question 63 :**



What is Shigmo?

Difficulty : Moderate

Average Time : 98 Seconds

Options :

1. A Goan spring Festival
2. The tallest peak in Nilgiris
3. The type of Rangoli
4. One of the Names of Lord Shiva

Solution :

Correct Answer is option 1 i.e. A Goan Spring Festival

- Shigmo is a spring festival celebrated in the Indian state of Goa, where it is one of the major festivals of the Hindu community.
- It is also celebrated by Konkani diaspora and Indian festival of Holi is part of it.
- There are two variants of Shigmo festival: Dhakto Shigmo ("small Shigmo") and Vhadlo Shigmo ("big Shigmo").
- Dhakto Shigmo is generally celebrated by farmers, the labour class and the rural population, while Vhadlo Shigmo is of greater consequence and is celebrated by everyone together.

Question 64 :

Whose quote is "In practice os tolerance, one's enemy is the best teacher"?

Difficulty : Moderate

Average Time : 92 Seconds

Options :

1. Gautama Buddha
2. Mahatma Gandhi
3. Barack Obama
4. The Dalai Lama

Solution :



Correct Answer is option 4 i.e. The Dalai Lama

- The Dalai Lama said this quote: “In the practice of tolerance, one’s enemy is the best teacher.”
- The 14th Dalai Lama is the current Dalai Lama.
- Dalai Lamas are important monks of the Gelug school, the newest school of Tibetan Buddhism, which was formally headed by the Ganden Tripas.

**Question 65 :**

Andromeda is a:

**Difficulty : Moderate**

**Average Time : 71 Seconds**

**Options :**

1. Galaxy neighbouring the Milky way
2. Planet
3. Name of a black hole
4. Comet

**Solution :**

Correct Answer is option 1 i.e. Galaxy neighboring the Milky way

**Andromeda:**

- The Andromeda galaxy is the closest big galaxy to our Milky Way.
- Andromeda galaxy – also known as M31 – is the brightest galaxy you can see.
- The virial mass of the Andromeda Galaxy is of the same order of magnitude as that of the Milky Way, at 1 trillion solar masses.

**Question 66 :**

If Annual : One year and Quinquennial : \_\_\_\_\_

**Difficulty : Moderate**

**Average Time : 86 Seconds**

**Options :**

Five years

2. Ten years

3. Hundred years

4. Thousand years

**Solution :**

Correct Answer is option 1 i.e. Five years.

Understanding

Annual : One year

Annual means occurring or returning once a year.

Similarly, Quinquennial means occurring once every five years or over a period of five years.

Hence, Five years is the answer.

**Question 67 :**

What is a Limerick?

Difficulty : Moderate

Average Time : 81 Seconds

**Options :**

1. A type of Lime Stone

2. A form of poetry mostly in five lines

3. A type of Theatre Play

4. A type of Word game

**Solution :**

Correct Answer is option 2 i.e. A form of poetry mostly in five-lines

**Limerick:**

- A limerick is a humorous poem consisting of five lines.
- The first, second, and fifth lines must have seven to ten syllables while rhyming and having the same verbal rhythm.
- The third and fourth lines should only have five to seven syllables; they too must rhyme with each other and have the same rhythm.

**Question 68 :**

If  $ax+y = a^6$  and  $x > y$  by 2 find x.

Difficulty : Moderate

Average Time : 91 Seconds

**Options :**

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

**Solution :**

Correct Answer is option 4 i.e. 4

Understanding	Application
Given, $x > y$ by 2 or $x - y = 2$ And $a^{(x+y)} = a^6$	$a^{(x+y)} = a^6$ Comparing the power if a: $(x + y) = 6$





We have 2 conditions:

$$x - y = 2$$

and

$$(x + y) = 6$$

Solving both equations:

$$x = 4 \text{ \& } y = 2$$

Hence, option 4 is correct.

**Question 69 :**

What are Vivipara?

Difficulty : Moderate

Average Time : 165 Seconds

**Options :**

1. Vertebrates that are born live
2. Types of cactus
3. Type of algae
4. A mollusk

**Solution :**

Correct Answer is option 1 i.e. Vertebrates that are born live.

**Vivipara:**

- Among animals, viviparity is development of the embryo inside the body of the parent, eventually leading to live birth.
- This is opposed to oviparity which is a reproductive mode in which females lay developing eggs that complete their development and hatch externally from the mother.

**Question 70 :**

78 books, 114 crayons and 141 notebooks were distributed to school children equally. It was found that 6 were left undistributed in each. What was the total number of children?

Difficulty : Moderate

Average Time : 85 Seconds

**Options :**

9

2. 8

3. 13

4. 12

**Solution :**

Correct Answer is option 1 i.e. 9

Understanding	Application
78 books, 114 crayons and 141 notebooks were distributed to school children equally and 6 were left undistributed in each.	Hence, Number of items distributed: $78 - 6 = 72$ $114 - 6 = 108$ $141 - 6 = 135$
These numbers can be written as: $72 = 2 \times 2 \times 2 \times 3 \times 3$ $108 = 2 \times 2 \times 3 \times 3 \times 3$ $135 = 3 \times 3 \times 3 \times 5$	HCF of these numbers = $3 \times 3 = 9$ Hence, there are total 9 students.

**Question 71 :**

Seeta said, "Ram's only brother is the father of my son's father". How is Ram's brother related to seeta's son?

Difficulty : Moderate

Average Time : 157 Seconds

**Options :**

1. Father
2. Grandfather
3. Maternal Uncle

**Parental Uncle**

**Solution :**

Correct Answer is option 2 i.e. Grandfather

Understanding	Application
<p>Seeta said, "Ram's only brother is the father of my son's father".</p> <p>Suppose X is the Ram's only brother. Y is X's Son. Z is Seeta's Son.</p>	<p>Since Y is the father of Seeta's son, Y will be husband of Seeta.</p> <p>Hence, diagram can be as follows:</p> <p>Hence, Ram's brother X is Grandfather of Seeta's son Z.</p>

**Question 72 :**

The LCM and HCF of 2 numbers are 168 and 6 respectively. If one of the numbers is 24, find the other.

**Difficulty : Moderate**

**Average Time : 125 Seconds**

**Options :**

- 1. 36
- 2. 38
- 3. 40
- 4. 42

**Solution :**

Correct Answer is option 4 i.e. 42

Understanding	Application
Given: LCM = 168 & HCF = 6 1 <sup>st</sup> number = 24 Suppose 2 <sup>nd</sup> number = x Formula: Product of 2 numbers = LCM × HCF	So, $24 \times x = 168 \times 6$ $x = 168/4$ $x = 42$ Hence, 2 <sup>nd</sup> number = 42

**Question 73 :**

Find the interest on Rs.25000 at 12% p.a. compounded annually for 3 years.

Difficulty : Moderate

Average Time : 139 Seconds

**Options :**

1. 9,000
2. 9,833.40
3. 10,123.20
4. 10,678.90

**Solution :**

Correct Answer is option 3 i.e. 10,123.20

Understanding	Application
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<p><math>P = \text{Rs. } 25000</math></p> <p><math>R = 12\%</math></p> <p><math>T = 3</math></p>	<p>Cumulative Rate for 2 years:</p> <p><math>[12 + 12 + 12 \times 12 / 100]</math></p> <p><math>= 24 + 1.44 = 25.44\%</math></p> <p>Cumulative Rate for 3 years:</p> <p><math>[25.44 + 12 + 25.44 \times 12 / 100]</math></p> <p><math>= 37.44 + 3.0528 = 40.4928\%</math></p>
<p>Since rate of interest for 3 years is converted into cumulative rate, we will find interest with time = 1 year</p>	<p><math>R = 40.4928\%</math></p> <p>So,</p> <p>Interest = <math>25000 \times 40.4928 / 100</math></p> <p><math>= 10,123.20</math></p>

**Question 74 :**

If the circumference of a circle is 22 cm, find the area of the semicircle.

Difficulty : Moderate

Average Time : 159 Seconds

**Options :**

1. 38.5 sq.cm
2. 19.25 sq.cm
3. 44 sq.cm
4. 77 sq.cm

**Solution :**

Correct Answer is option 2 i.e. 19.25 sq.cm

Understanding	Application	Calculation
---------------	-------------	-------------

Circumference of circle = 22 cm	So, $2r = 22$ $r = 7/2$ cm	$2 \times 22/7 \times r = 22$ $r = 7/2$
Area of semicircle = $r^2/2$	$r^2/2$ $22/7 \times 7/2 \times 7/4$ 19.25 sq.cm.	$22/7 \times 7/2 \times 7/4$ $11 \times 7/4$ $77/4$ 19.25

**Question 75 :**Solve:  $109 \times 102 \div 103$ 

Difficulty : Moderate

Average Time : 197 Seconds

**Options :**

1.  $10^8$
2.  $10^6$
3.  $10^2$
4.  $10^5$

**Solution :**Correct Answer is option 1 i.e.  $10^8$ 

Application

$$10^9 \times 10^2 \div 10^3$$

Applying BODMAS:

$$10^9 \times 10^{2-3}$$

$$10^9 \times 10^{-1}$$

$$10^{9-1}$$

$$10^8$$

**Question 76 :**

Manju takes 16 days to complete a work. If she works with her friend Jenny they complete it in 12 days. How many days will it take for Jenny to complete the work alone?

**Difficulty : Moderate****Average Time : 106 Seconds****Options :**

1. 48
2. 32
3. 36
4. 24

**Solution :**

Correct Answer is option 1 i.e. 48

Understanding	Application
Manju alone can complete the work in 16 days and can complete it with Jenny in 12 days.	

Suppose Jenny can alone  
complete the work in 'x' days:

So,

$$1/16 + 1/x = 1/12$$

$$1/x = 1/12 - 1/16$$

$$1/x = 1/48$$

$$x = 48$$

Hence, Jenny will take 48  
days to complete the work.

**Question 77 :**

If GOING is 38253 and CASUAL is 409106, then LOGICAL is

Difficulty : Moderate

Average Time : 139 Seconds

**Options :**

1. 6034286
2. 6834206
3. 6032486
4. 6832406

**Solution :**

Correct Answer is option 4 i.e. 6832406

Concept	Application
---------	-------------



Every letter is represented by corresponding number.

GOING is 38253

Here,

G is coded as 3.

O is coded as 8.

I is coded as 2.

N is coded as 5.

G is coded as 3.

Similarly

CASUAL is 409106.

Taking the codes from given data for 'LOGICAL':

L --- 6

O --- 8

G --- 3

I --- 2

C --- 4

A --- 0

L --- 6

Hence, 6832406 is the answer.

**Question 78 :**

If DELHI is QRYUV, then BOMBAY is:

Difficulty : Moderate

Average Time : 175 Seconds

**Options :**

1. OBZNOL
2. OZBNOL
3. OZBONL
4. OBZONL

**Solution :**

Correct Answer is option 4 i.e. OBZONL

Concept	Application
---------	-------------

**Logic:**

Each letter is forwarded by  
13.

DELHI is QRYUV

$$D(4) + 13 = 17 (Q)$$

$$E(5) + 13 = 18 (R)$$

$$L(12) + 13 = 25 (Y)$$

$$H(8) + 13 = 21 (U)$$

$$I(9) + 13 = 22 (V)$$

Similarly for BOMBAY:

$$B(2) + 13 = 15 (O)$$

$$O(15) + 13 = 28 \text{ or } 2 (B)$$

$$Z(26) + 13 = 39 \text{ or } 13 (M)$$

$$B(2) + 13 = 15 (O)$$

$$A(1) + 13 = 14 (N)$$

$$Y(25) + 13 = 38 \text{ or } 12 (L)$$

Hence, OBZONL is the code.

**Question 79 :**

What is the rate of change of position of an object with respect to a frame of reference, which is a function of time called?

Difficulty : Moderate

Average Time : 161 Seconds

**Options :**

1. Mechanics
2. Vector
3. Velocity
4. Magnitude

**Solution :**

Correct Answer is option 3 i.e. Velocity

- The velocity of an object is the rate of change of its position with respect to a frame of reference, and is a function of time.
- Velocity is equivalent to a specification of an object's speed and direction of motion.
- Velocity is a physical vector quantity; both magnitude and direction are needed to define it.
- The scalar absolute value (magnitude) of velocity is called speed.
- It is measured in the SI (metric system) as metres per second (m/s)

**Question 80 :**

The famous camel trading event is a part of this annual fair.

**Difficulty :** Moderate

**Average Time :** 89 Seconds

**Options :**

1. Udaipur Mela
2. Thar Mela
3. Kumbh Mela
4. Pushkar Mela

**Solution :**

Correct Answer is option 4 i.e. Pushkar Mela

Pushkar Mela:

- It is an annual multi-day livestock fair and cultural fair held in the town of Pushkar.
- The fair starts with the Hindu calendar month of Kartik and ends on the Kartik Purnima, which typically overlaps with late October and early November.
- The Pushkar fair is one of India's largest camel, horse and cattle fairs.
- Apart from the trading of livestock, it is an important pilgrimage season for Hindus to the Pushkar lake.
- The Pushkar fair alone attracts over 200,000 visitors.

**Question 81 :**

Manu sold a dozen watches for Rs.1454.64 per watch and made a profit of 16%. Find the cost price of the watches?

**Difficulty : Moderate**

**Average Time : 103 Seconds**

**Options :**

1. 1254.00
2. 1362.36
3. 15048.00
4. 16348.32

**Solution :**

Correct Answer is option 3 i.e. 15048.00

Understanding	Application	Calculation
---------------	-------------	-------------

<p>Given:</p> <p>SP = Rs. 1454.64</p> <p>Profit = 16%</p>	<p><math>SP = CP \times [1 + \text{Profit}/100]</math></p> <p>CP of 1 watch = Rs. 1254</p>	<p><math>1454.64 = CP \times [1 + 16/100]</math></p> <p><math>1454.64 = 1.16CP</math></p> <p>CP = 1254</p>
<p>1 dozen = 12 pieces</p>	<p>Hence,</p> <p>CP of 1 dozen watches = Rs. 15048</p>	<p><math>1254 \times 12 = 15048</math></p>

### Question 82 :

Which among the following is the largest Freshwater Lake in India?

Difficulty : Moderate

Average Time : 182 Seconds

### Options :

1. Dal Lake
2. Thol Lake
3. Pushkar Lake
4. Wular Lake

### Solution :

Correct Answer is option 4 i.e. Wular Lake

<p>Wular Lake:</p>	<ul style="list-style-type: none"> <li>• Wular Lake is the largest fresh water lakes in India.</li> <li>• It is sited in Bandipora district in Jammu and Kashmir, India.</li> <li>• The lake basin was formed as a result of tectonic activity and is fed by the Jhelum River.</li> <li>• The lake's size varies seasonally from 12 to 100 square miles.</li> </ul>
--------------------	---



Other lakes:

- **Dal Lake:** Srinagar, Kashmir
- **Thol Lake:** Thol Lake is an artificial lake near Thol village in Kadi in Mehsana District in the Indian state of Gujarat.
- **Pushkar Lake:** Pushkar Lake or Pushkar Sarovar is located in the town of Pushkar in Ajmer district of the Rajasthan.

**Question 83 :**

What is the most abundant combustible gas?

Difficulty : Moderate

Average Time : 137 Seconds

**Options :**

1. Propane
2. Methane
3. Ethane
4. Butane

**Solution :**

Correct Answer is option 2 i.e. Methane

- Methane is most abundant combustible natural gas.
- Methane is gas that is found in small quantities in Earth's atmosphere.
- Methane is the simplest hydrocarbon, consisting of one carbon atom and four hydrogen atoms.
- Methane is a powerful greenhouse gas.
- Methane is flammable, and is used as a fuel worldwide. It is a principal component of natural gas.

**Question 84 :**

A small shop owner keeps inventory satisfying the following criteria- 1. Shampoo sachets that are priced between Rs.4 and Rs.10 per sachet. 2. Chocolates in the price range of Rs.1 and Rs.60 per piece. 3. Dry fruits priced more than Rs.125 per 100 grams. 4. Milk packets in the price range of Rs21 and Rs.29 per litre. What list among the following will definitely

NOT be found in his shop?

Difficulty : Moderate

Average Time : 97 Seconds

Options :

1. Shampoo A at Rs.4 per sachet, chocolate B at Rs.1.5 per piece and dry fruit C, at Rs.250 per 125 gram.
2. Shampoo P at Rs5 per sachet, milk packet Q at Rs.23 per litre and dry fruit R at Rs.150 per 100 gram.
3. Shampoo X at Rs.5 per sachet, chocolate Y at Rs.1 per piece and dry fruit Z at Rs.100 per 100 gram.
4. Shampoo L at Rs.4 per sachet, milk packet M at Rs.24.5 per packet, and chocolate N at Rs.35 per piece and dry fruit O at Rs.350 per 200 gram.

Solution :

Correct Answer is option 3 i.e. Shampoo X at Rs.5 per sachet, chocolate Y at Rs.1 per piece and dry fruit Z at Rs.100 per 100 gram.

Understanding	Application
<p><b>Inventory satisfying the following criteria:</b></p> <ol style="list-style-type: none"> <li>1. Shampoo sachets that are priced between Rs.4 and Rs.10 per sachet.</li> <li>2. Chocolates in the price range of Rs.1 and Rs.60 per piece.</li> <li>3. Dry fruits priced more than Rs.125 per 100 grams.</li> <li>4. Milk packets in the price range of Rs.21 and Rs.29 per litre.</li> </ol>	<p>Option 3:</p> <p>Shampoo X at Rs.5 per sachet, chocolate Y at Rs.1 per piece and dry fruit Z at Rs.100 per 100 gram.</p> <p>Here,</p> <p>Dry fruit Z at Rs. 100 per 100 gram is not available as Dry fruits priced more than Rs.125 per 100 grams are available only.</p> <p>Hence, option 3 is correct.</p>

Question 85 :

Find the missing (?) in the series HG, IJ, LK, MN, ?, .....



Difficulty : Moderate

Average Time : 178 Seconds

Options :

1. OP
2. PO
3. QP
4. PQ

Solution :

Correct Answer is option 2 i.e. PO

Application

HG, IJ, LK, MN, ?

First term:

$$H - 1 = G$$

Second term:

$$I + 1 = J$$

3<sup>rd</sup> term:

$$L - 1 = K$$

4<sup>th</sup> term:

$$M + 1 = N$$

Hence,

5<sup>th</sup> term will be PO as  $(P - 1 = O)$

Question 86 :

What does 'Bicameral Legislature' mean?

Difficulty : Moderate

Average Time : 115 Seconds

Options :





Legislators are divided into 4 separate assemblies

2. Legislators are grouped as 1 assembly

3. Legislators are divided into 2 separate assemblies

4. Legislators are divided into 8 separate assemblies

**Solution :**

Correct Answer is option 3 i.e. Legislators are divided into 2 separate assemblies

**Bicameral  
legislature:**

- A system of government in which the legislature comprises two houses or assemblies.
- Often, the members of the two chambers are elected or selected by different methods, which vary from country to country.
- As of 2015, fewer than half the world's national legislatures are bicameral.
- The modern bicameral system dates back to the beginnings of constitutional government in 17th-century England and to the later 18th century on the continent of Europe and in the United States.

**Question 87 :**

What does WLAN stand for?

**Difficulty : Moderate**

**Average Time : 99 Seconds**

**Options :**

1. Wireless Local Area Network
2. Wide Local Area Network
3. Wind Light Atmospheric Nature
4. Wireless Local Area Node

**Solution :**

Correct Answer is option 1 i.e. Wireless Local Area Network

**Wireless Local  
Area Network:**

- A wireless LAN is a wireless computer network that links two or more devices using wireless communication to form a local area network within a limited area such as a home, school, computer laboratory, campus, or office building.
- WLAN allows homes and businesses to create local networks without wiring the building with Ethernet.
- It also provides a way for small devices, such as smartphones and tablets, to connect to the network.

**Question 88 :**

Find the similarity in the following: Orange, Peach, Olive, Chrome

**Difficulty :** Moderate

**Average Time :** 92 Seconds

**Options :**

1. All of them are fruits.
2. All of them are names of seasons.
3. All of them are colours.
4. All of them are shades of orange.

**Solution :**

Correct Answer is option 3 i.e. All of them are colours.

Understanding

Orange, Peach, Olive, Chrome

Checking the options:

1. All of them are fruits. (No as Chrome is not a colour)
2. All of them are names of seasons. (No none of them is the name of a season)
3. All of them are colours. (Yes, all of them are colours)
4. All of them are shades of orange. (No)

Hence, option 3 is correct.

**Question 89 :**

What is the science or art of designing and accelerating projectiles so as to achieve a desired performance called?

Difficulty : Moderate

Average Time : 111 Seconds

**Options :**

1. Ballistics
2. Catapulting
3. Ejection
4. Rocket Science

**Solution :**

Correct Answer is option 1 i.e. Ballistics

**Ballistics:**

- Ballistics is the field of mechanics concerned with the launching, flight behavior and impact effects of projectiles, especially ranged weapon munitions such as bullets, unguided bombs, rockets etc.
- The science or art of designing and accelerating projectiles so as to achieve a desired performance.

<b>Catapulting:</b>	<ul style="list-style-type: none"> <li>To throw someone or something with great force.</li> </ul>
<b>Ejection:</b>	<ul style="list-style-type: none"> <li>The action of forcing or throwing something out.</li> </ul>

**Question 90 :**

A train having a length of 500 m passes through a tunnel of 1000 m in 1 minute. What is the speed of the train in Km/hr?

Difficulty : Moderate

Average Time : 127 Seconds

**Options :**

1. 75 Km/hr
2. 90 Km/hr
3. 87 Km/hr
4. 96 Km/hr

**Solution :**

Correct Answer is option 2 i.e. 90 Km/hr

Understanding	Application	Calculation
Length of train = 500 m Length of tunnel = 1000 m Time = 1 minute = 60 sec Suppose speed of train is x m/sec	Time = (Length of train + length of tunnel)/Speed $x = 25 \text{ m/sec}$	$60 = (500 + 1000)/x$ $60x = 1500$ $x = 25$
For converting m/sec to km/hr, we multiply by 18/5.	So, Speed of train = 90 km/hr	$25 \times 18/5 = 90$

**Question 91 :**



At what time did India Gain Independence of 15th August 1947?

Difficulty : Moderate

Average Time : 187 Seconds

Options :

1. Morning
2. Midevening
3. Midnight
4. Noon

Solution :

Correct Answer is option 3 i.e. Midnight.

- The Constituent Assembly, to who power was to be transferred, met to celebrate India's independence at 11pm on August 14, 1947.
- India gained its liberty and became a free country at midnight between August 14 and August 15, 1947.
- It was then that the free India's first prime minister Pandit Jawaharlal Nehru gave his famous "Tryst with Destiny" speech.

Question 92 :

Statements followed by some conclusions are given below. Statements: 1. Employees are well paid. 2. Rajan earns well. Conclusions: I. Rajan is an employee. II. Rajan is self-employed. Find which of the conclusions logically follows from the given statements.

Difficulty : Moderate

Average Time : 80 Seconds

Options :

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

Solution :

Correct Answer is option 4 i.e. Neither I nor II follows.

Understanding	Application
<p><b>Statements:</b></p> <ol style="list-style-type: none"><li>1. Employees are well paid.</li><li>2. Rajan earns well.</li></ol> <p><b>Conclusions:</b></p> <ol style="list-style-type: none"><li>I. Rajan is an employee.</li><li>II. Rajan is self-employed.</li></ol>	<p>In the sentence, it is mentioned that Employees are well paid and it does not mean those who are not employee (like businessman, self-employed person etc.) are not well paid.</p> <p>Sentence 2 says Rajan earns well: That means he might or might not be an employee. He might be business man or self-employed also.</p> <p>Hence, Neither conclusion I nor II follows.</p>

**Question 93 :**

Malgudi Days is based on the works of which Indian Writer?

Difficulty : Moderate

Average Time : 141 Seconds

**Options :**

1. Shankar Nag
2. R. k. Lakshman
3. R. k. Narayan
4. Girish Karnad

**Solution :**

Correct Answer is option 3 i.e. R.K. Narayan

## R.K. Narayan:

- He was an Indian writer known for his work set in the fictional South Indian town of Malgudi.
- The fictional town of Malgudi was first introduced in *Swami and Friends*.
- **Malgudi Days** is an Indian television series that started in 1986, and was filmed in both English (first 13 episodes) and Hindi (all 54 episodes), based on the works of R. K. Narayan.
- The series was directed by Kannada actor and director Shankar Nag.

### Question 94 :

Find the missing (?) in the series 50, 49.5, ?, 45.5, 42, 37.5, .....

Difficulty : Moderate

Average Time : 96 Seconds

### Options :

1. 49
2. 48
3. 47.5
4. 46

### Solution :

Correct Answer is option 2 i.e. 48

Understanding

Application



Logic:

50, 49.5, ?, 45.5, 42, 37.5

The terms of the series  
are decreasing by 0.5,  
1.5, 2.5 and so on.

Here,

$$50 - 0.5 = 49.5$$

$$49.5 - 1.5 = 48$$

$$48 - 2.5 = 45.5$$

$$45.5 - 3.5 = 42$$

$$42 - 4.5 = 37.5$$

Hence, missing term is 48

**Question 95 :**

Is Indian sport what does HIL stand for?

Difficulty : Moderate

Average Time : 121 Seconds

**Options :**

1. Himachal Indian Lions
2. Haryana Indus League
3. Hockey India League
4. Hyderabad India League

**Solution :**

Correct Answer is option 3 i.e. Hockey India League



**Hockey India League:**

- Hockey India League (HIL) is a professional field hockey league in India.
- The league is organized by Hockey India, the governing body for the sport in India.
- HIL consists of six teams, with the regular season lasting two months from January to February, with each team playing 10 games.
- The most recent champion of the Hockey India League is Kalinga Lancers, who won the tournament in 2017.

**Question 96 :**

X is the only daughter of Y's grandfather's only son. Y's grandfather has only one child. How is X related to Y?

**Difficulty : Moderate****Average Time : 97 Seconds****Options :**

1. Mother
2. Sister
3. Parental Aunt
4. Grandmother

**Solution :**

Correct Answer is option 2 i.e. Sister

Understanding

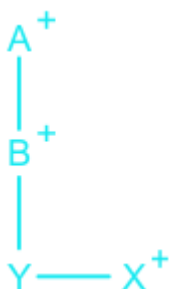
Application

X is the only daughter of Y's grandfather's only son. Y's grandfather has only one child.

Y's grandfather (let's say A) has only one child (B) that is son. That means B will be father of Y.

And daughter (X) of Y's father will be Y's sister.

Family tree will be as below:



Hence, X is sister of Y.

**Question 97 :**

How do Indians celebrate Holi?

Difficulty : Moderate

Average Time : 122 Seconds

**Options :**

1. By playing pranks on each other
2. By throwing coloured powder and water on each other
3. By Lighting Lamps
4. By setting pigeons free

**Solution :**

Correct Answer is option 2 i.e. By throwing coloured powder and water on each other



- Holi is a popular ancient Hindu festival, originating from the Indian subcontinent.
- Holi is popularly known as the Indian "festival of spring", the "festival of colours", or the "festival of love".
- The festival also celebrates the beginning of a good spring harvest season.
- Holi celebrations start on the night before Holi with a Holika Dahan where people gather, perform religious rituals in front of the bonfire.
- The next morning is celebrated as Rangwali Holi – a festival of colours, where people smear each other with colours and drench each other.

**Question 98 :**

The median of the following numbers arranged in ascending order is 2.5, if so find  $x$ ? 0, 0, 1, 1, 2, 2,  $x$ , 3, 3, 4, 5, 7

Difficulty : Moderate

Average Time : 100 Seconds

**Options :**

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

**Solution :**

Correct Answer is option 2 i.e. 3

Understanding

Application



Median: the middle number in a sorted, ascending or descending, list of numbers.

If total numbers are even:

Median =

$$\left[ \left( \frac{n}{2} \right)^{\text{th}} \text{ term} + \left( \frac{n}{2} + 1 \right)^{\text{th}} \text{ term} \right] / 2$$

Data in ascending order:

0, 0, 1, 1, 2, 2, x, 3, 3, 4, 5, 7

Here,

$$\text{Median} = \left[ \left( \frac{12}{2} \right)^{\text{th}} \text{ term} + \left( \frac{12}{2} + 1 \right)^{\text{th}} \text{ term} \right] / 2$$

$$2.5 = \left[ \left( 6^{\text{th}} \text{ term} + 7^{\text{th}} \text{ term} \right) / 2 \right]$$

$$2.5 = \left[ \left( 2 + x \right) / 2 \right]$$

$$5 = 2 + x$$

$$x = 3$$

**Question 99 :**

The Make In India Logo is made up of what?

**Difficulty : Moderate**

**Average Time : 141 Seconds**

**Options :**

1. Lion made of Cogs
2. Eagle made of Steel
3. Chakra Made of Cotton
4. Tiger Made of Khadi

**Solution :**

Correct Answer is option 1 i.e. Lion made of Cogs

**Make In India:**

- PM Narendra Modi launched the 'Make in India' campaign on 25<sup>th</sup> Sep 2014 to facilitate investment, foster innovation, enhance skill development, protect intellectual property & build best in class manufacturing infrastructure.
- Ministry: Ministry of Finance
- India jumped to 63rd place out of 190 countries in the world Banks' 2019 Ease of Doing Business Index from 130th in 2016.
- The logo is the silhouette of a lion on the prowl, made entirely of cogs, symbolising manufacturing, strength and national pride.

**Comprehension :**

Comprehension Study the following diagram and answer aquestions based on it. The diagram represents the likes of children in a society.

**Question 100 :**

Solve  $(12/13) \times (285/96) \div (171/169) = ?$

Difficulty : Moderate

Average Time : 105 Seconds

**Options :**

1. 11/3
2. 65/24
3. 7/8
4. 11/24

**Solution :**

Correct Answer is option 2 i.e. 65/24

Application

$$12/13 \times 285/96 \div 171/169$$

$$12/13 \times [285 \times 169]/[96 \times 171]$$

$$[285 \times 13]/[8 \times 171]$$

$$[15 \times 13]/[8 \times 9]$$

$$[5 \times 13]/[8 \times 3]$$

$$65/24$$

## Rrb Ntpc CBT - 1 Previous Year Question Paper Analysis

The analysis of Rrb Ntpc CBT - 1 Previous Year Question Paper held on 2016-04-03 in the Afternoon exam is as follows:

1. 100 questions were moderate.
2. The safe score is 68 marks.
3. 100 questions were asked from CBT -1 and 100 questions were asked from CBT -1
4. 52 questions should have been skipped if you were short of time.

## Rrb Ntpc CBT - 1 Previous Year Question Paper Topic Wise Weightage

CBT -1

## Rrb Ntpc CBT - 1 Previous Year Question Paper Tips and Tricks



1. Try to solve Rrb Ntpc CBT - 1 Previous Year Question Paper without taking any help from the solutions.
2. Rrb Ntpc CBT - 1 Previous Year Question Paper require proper usage of concept so firstly read the question thoroughly and then use the right concept.
3. In case you're not able to solve the question in less than 30 seconds in the exam then you should skip the question and move to the next question.

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[Answer Key](#)  
[Important Days](#)

## Further Guidance on Rrb Ntpc CBT - 1 Previous Year Question Paper

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Neetu Mam is primarily passionate for the English language and teaching from the last 20 years however for the Rrb Ntpc CBT - 1 Previous Year Question Paper. She has guided her team to provide the best explanation for the question.