



# Rrb Ntpc CBT - 2 Previous Year Question Paper Overview

Here, you can solve all the questions asked in Rrb Ntpc CBT - 2 Previous Year Question Paper on 2022-05-13 in the Morning 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 - 2 exam. There are 120 questions in the exam and 90 minutes are provided for the Rrb Ntpc CBT - 2 exam. The Cutoff of the exam was 78 marks hence you should try to score at least 88 marks.

## Rrb Ntpc CBT - 2 Previous Year Question Paper : Questions and Solutions

### Question 1 :

Which is the correct ascending order of the given numbers ?

Difficulty : Moderate

Average Time : 41 Seconds

### Options :

1.  $3/10$  ,  $4/15$  ,  $1/3$
2.  $4/15$  ,  $1/3$  ,  $3/10$
3.  $1/3$  ,  $3/10$  ,  $4/15$
4.  $4/15$  ,  $3/10$  ,  $1/3$

### Solution :

The correct answer is **option 4** i.e.  $4/15$  ,  $3/10$  ,  $1/3$

Converting the given fractions into percentage,

$$1/3 = 33.33\%$$

$$4/15 = 26.67\%$$

$$3/10 = 30.00\%$$

$$4/15 > 3/10 > 1/3$$

### Question 2 :

Study the following table carefully and answer the questions given below : Raw Cotton Procurement prices of a spinning Mill . The prices in 2006 - 2007 is approximately what percent of prices in 1999- 2000 ?



Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 132
2. 158
3. 144
4. 150

Solution :

The correct answer is **option 3** i.e. **144**

To find the required percentage :  $151/105$

1.438 or 143.8% or 144%

Question 3 :

Study the following table carefully and answer the questions given below : Raw Cotton Procurement prices of a spinning Mill . Which is the average yearly increase in raw cotton procurement prices for the Spinning Mill from 1999 to 2007 ?

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. 7.32
2. 7.05
3. 6.25
4. 6.52

Solution :

The correct answer is **option 3** i.e. **6.25**

Raw cotton procurement price in 1999 = 105

Raw cotton procurement price in 2007 = 151

Increase in percentage =  $(151 - 105)/105$

43.8%

Average increase =  $43.8/7 = 6.25\%$

Question 4 :

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Study the following table carefully and answer the questions given below : Raw Cotton Procurement prices of a spinning Mill . What is the maximum increase in procurement prices in any two consecutive years ( in percentage ) ?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1.  $12 \frac{1}{9}\%$
2.  $11 \frac{1}{9}\%$
3. 12%
4. 11%

Solution :

The correct answer is **option 2** i.e.  $11 \frac{1}{9}\%$

By observing the table you can see that the maximum percentage increase is from 2003-2004 to 2004-2005

$$(130 - 117)/117 = 11.11\% \text{ or } 11 \frac{1}{9}\%$$

Question 5 :

Study the following table carefully and answer the questions given below : Raw Cotton Procurement prices of a spinning Mill . The absolute price increase of which two years is the same?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 2003 - 2004 and 2004 - 2005
2. 2001 - 2002 and 2003 - 2004
3. 2002 - 2002 and 2002 - 2003
4. 2000 - 2001 and 2001 - 2002

Solution :

The correct answer is **option 2** i.e. **2001 - 2002 and 2003 - 2004**

By observing the given table, we can clearly see that the difference in 2001 - 2002 and 2003 - 2004 is the same i.e. 2 units.

Question 6 :

16 men built a model in 35 days . How many days would it take for 25 men ?



Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 22.2
2. 22.1
3. 22
4. 22.4

Solution :

The correct answer is **option 4** i.e. **22.4**

The number of days taken by 16 men = 35 days

The number of days taken by 1 man =  $35 \times 16$

The number of days taken by 25 men =  $35 \times 16/25$

22.4 days

Question 7 :

Amrit is twice as good a painter as Kushal and together they finish a piece of work in 6 days. In how many days will Kushal alone finish the work?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 10
2. 12
3. 24
4. 18

Solution :

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

Let the number of days taken by Kushal be '2x' then the number of days taken by Amrit will be 'x'

$$1/2x + 1/x = 1/6$$

$$3/2x = 1/6$$



$$x = 9$$

Number of days taken by Kushal will be 18.

**Question 8 :**

The difference between the selling price of an article at a profit of 8% and 12% is Rs3. The ratio of two selling prices is :

Difficulty : Moderate

Average Time : 46 Seconds

**Options :**

1. 27:28
2. 27:29
3. 29:31
4. 27:31

**Solution :**

The correct answer is **option 1** i.e. **27:28**

Let the cost price be  $100x$  then after applying the 12% profit it would be  $112x$  and after applying the 8% profit it would be  $108x$

$$112x/108x = 28 : 27 \text{ or } 27 : 28$$

**Question 9 :**

Two school vans start from a house at an interval of 8 minutes and travel at a speed of 25km/hr. With how much speed (km/hr) should a woman coming from the opposite direction towards the house travel, to meet the vans at an interval of 4 minutes?

Difficulty : Moderate

Average Time : 51 Seconds

**Options :**

1. 25
2. 27
3. 26
4. 24

**Solution :**

The correct answer is **option 1** i.e. **25**



The first van travels for 8 minutes after that the second van starts travelling, So the distance between the two vans will be the distance covered by the first van in the 8 minutes.

$$25 \times (8/60) = 10/3 \text{ km}$$

Distance = Speed  $\times$  Time

Let the speed of the woman be 'x'

$$\text{Relative speed of van} = 25 + x$$

$$10/3 = (25 + x)(4/60)$$

$$25 + x = 50$$

$$x = 25$$

**Question 10 :**

What is 15% of 82?

Difficulty : Moderate

Average Time : 51 Seconds

**Options :**

1. 12
2. 12.3
3. 12.75
4. 12.5

**Solution :**

The correct answer is **option 2** i.e. **12.3**

$$15\% \text{ of } 82$$

$$15/100 \times 82$$

$$12.3$$

**Question 11 :**

A container has two holes. The 1st hole alone empties the container in 15 minutes and 2nd hole alone empties the container in 10 minutes. If water leaks out at a constant rate, how long ( in minutes ) does it take if both the holes together empty the container?

Difficulty : Moderate

Average Time : 44 Seconds

**Options :**

1. 6
2. 1/6
3. 1/7
4. 7

**Solution :**

The correct answer is **option 1** i.e. **6**

$$\text{lcm}(10, 15) = 30 \text{ units}$$

$$\text{Efficiency of 1st hole} = 30/10 = 3 \text{ units}$$

$$\text{Efficiency of 2nd hole} = 30/15 = 2 \text{ units}$$

$$\text{Total efficiency} = 3 + 2 = 5 \text{ units}$$

$$30/5 = 6 \text{ minutes}$$

**Question 12 :**

Correct expression of  $1.\overline{427}$  ( the bar indicates repeating decimal )

**Difficulty : Moderate****Average Time : 55 Seconds****Options :**

1. 1427/1000
2. 157/110
3. 1427/10000
4. 157/111

**Solution :**

The correct answer is **option 2** i.e. **157/110**

$$\text{Let } x = 1.427272727\dots$$

$$10x = 14.272727\dots$$

$$1000x = 1427.27272727\dots$$

$$1000x - 10x = 1413$$



$$990x = 1413$$

$$x = 157/110$$

**Question 13 :**

Krishlay traveled equal distances at speeds of 10km/hr, 30km/hr, and 2km/hr and took a total time of 38 minutes. Find the total distance in km

**Difficulty : Moderate****Average Time : 44 Seconds****Options :**

1. 2

2. 3

3. 1

4. 4

**Solution :**

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

Let he cover 'x' km in every section of the travel.

$$\text{Time} = \text{Distance}/\text{Speed}$$

$$x/10 + x/30 + x/2 = 38/60$$

$$(6x + 2x + 30x)/60 = 38/60$$

$$38x = 38$$

$$x = 1\text{km}$$

Total distance = 3km

**Question 14 :**

Fill in the blank. 11, 10, \_\_\_\_\_, 100, 1001, 1000, 10001 ...

**Difficulty : Moderate****Average Time : 42 Seconds****Options :**

1. 110





101

3. 100

4. 111

**Solution :**The correct answer is **option 2** i.e. **101**.**Understanding**

Given series: 11, 10, \_\_\_\_\_, 100, 1001, 1000, 10001 ...

The logic used here is:

$$11 - 1 = 10$$

$$10 \times 10 + 1 = 101$$

$$101 - 1 = 100$$

$$100 \times 10 + 1 = 1001$$

$$1001 - 1 = 1000$$

$$1000 \times 10 + 1 = 10001$$

The next term in the series is **101**.**Hence, option 2 is the correct answer.****Question 15 :**

Mr. Dev sold a bus for Rs 2210 with a loss of 15%. At what price should the bus be sold to get a profit of 15%?

**Difficulty : Moderate****Average Time : 55 Seconds****Options :**

1. Rs2980

2. Rs3000

3. Rs2790

4. Rs2990

**Solution :**



The correct answer is **option 4** i.e. **Rs.2990**

Let the cost price be  $100x$

$$85x = 2210$$

$$x = 2210/85$$

The new selling price :  $115x = 115 \times (2210/85)$

Rs.2990

**Question 16 :**

Mr. Vinod borrowed Rs 9000 at 5% p.a compound interest. The compound interest compounded annually for 2 years is :

Difficulty : Moderate

Average Time : 43 Seconds

**Options :**

1. Rs922.5
2. Rs9921.5
3. Rs921.5
4. Rs9922.5

**Solution :**

The correct answer is **option 1** i.e. **Rs.922.5**

$$\text{Amount} = P(1 + r/100)^t$$

Where P is principal, r is the rate of interest and t is the time period.

$$9000(1 + 5/100)^2$$

$$9922.5$$

$$\text{Interest} = 9922.5 - 9000 = 922.5$$

**Question 17 :**

Compute:  $4992 \div 624 - 10$

Difficulty : Moderate

Average Time : 42 Seconds

**Options :**

1.  $2469 \div 307$



-2

3. 2

4.  $2496 \div 307$

**Solution :**

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

**Understanding**

Given Equation:  $4992 \div 624 - 10$

$= 8 - 10$

$= -2$

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

**Question 18 :**

Find the fourth proportional to 2, 4, and 8.

Difficulty : Moderate

Average Time : 42 Seconds

**Options :**

1. 15

2. 14

3. 16

4. 18

**Solution :**

The correct answer is **option 3** i.e. 16

Product of extremes = Product of middle terms. Let the fourth proportional be x

$$2x = 4 \times 8$$

$$x = 16$$

**Question 19 :**

If  $\cot x = 5/12$ , the  $\sin x + 1/\cot x + \sec x = ?$



Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. 173/13
2. 77/13
3. 75/13
4. 17/13

Solution :

The correct answer is **option 2** i.e. **77/13**

Cot x is the ratio of base to the perpendicular.

Hypotenuse = 13

$\sin x + \frac{1}{\cot x} + \sec x$

$\sin x + \tan x + \sec x$

$\frac{12}{13} + \frac{12}{5} + \frac{13}{5}$

$(60 + 156 + 169)/65$

$\frac{385}{65}$

$\frac{77}{13}$

Question 20 :

In a class test, a student scored 9 marks out of 25 marks. The student's marks expressed as a percentage is :

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 30
2. 36
3. 35
4. 25

Solution :



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

Required percentage :  $9/25 \times 100$

$$9 \times 4 = 36$$

**Question 21 :**

Simplify :  $(2.25)^{1/2}$

**Difficulty : Moderate**

**Average Time : 33 Seconds**

**Options :**

1. 1.5
2. 15
3. 1.6
4.  $2/3$

**Solution :**

The correct answer is **option 1** i.e. **1.5**

$$(2.25)^{0.5}$$

$$(225/100)^{0.5}$$

$$15/10 = 1.5$$

**Question 22 :**

Find out the two signs to be interchanged for making the following equation correct:  $5 + 3 \times 8 - 12 \div 4 = 3$

**Difficulty : Moderate**

**Average Time : 37 Seconds**

**Options :**

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

**Solution :**

The correct answer is **option 3** i.e. **- and  $\div$ .**

**Understanding**

Given Equation:  $5 + 3 \times 8 - 12 \div 4 = 3$

Check all the options:

**Option 1: + and -**

After replacement the equation becomes;

$$= 5 - 3 \times 8 + 12 \div 4$$

= -16 is not equal to 3.

Hence, **option 1** is not the correct answer.

**Option 2: + and  $\div$** 

After replacement the equation becomes;

$$= 5 \div 3 \times 8 - 12 + 4$$

= 5.33 is not equal to 3.

Hence, **option 2** is not the correct answer.

**Option 3: - and  $\div$** 

After replacement the equation becomes;

$$= 5 + 3 \times 8 \div 12 - 4$$

= 3 is equal to 3.

Hence, **option 3** is the correct answer.

**Option 4: - and  $\times$** 

After replacement the equation becomes;

$$= 5 + 3 - 8 \times 12 \div 4$$

= -16 is not equal to 8.

Hence, **option 4** is not the correct answer.

**Question 23 :**

Mr . Sathya invested money in FD. How will he get on maturity, if Rs 14,500 is invested at 20% per annum



compound interest for 6 months, compounded quarterly?

Difficulty : Moderate

Average Time : 96 Seconds

Options :

1. Rs15,986.25
2. Rs15,986.5
3. Rs15,986.35
4. Rs15,986

Solution :

The correct answer is **option 1** i.e. **Rs.15,986.25**

$$\text{Amount} = P(1 + r/100)^t$$

$$14500(1 + 5/100)^2$$

$$15986.25$$

Question 24 :

What is the surface area (in sq. cm) of a sphere with a radius 3.5cm?

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. 154/7
2. 154
3. 54
4. 54/7

Solution :

The correct answer is **option 2** i.e. **154**

$$\text{The surface area of a sphere} = 4r^2$$

$$4 \times 22/7 \times (7/2)^2$$

$$154\text{cm}^2$$

Question 25 :



Simplify :  $3x(x + 4) - x(x - 2)$

Difficulty : Moderate

Average Time : 38 Seconds

Options :

1.  $2x^2 + 14x$
2.  $4x^2 - 14x$
3.  $4x^2 + 14x$
4.  $2x^2 - 14x$

Solution :

The correct answer is **option 1** i.e.  $2x^2 + 14x$

$$3x(x + 4) - x(x - 2)$$

$$3x^2 + 12x - x^2 + 2x$$

$$2x^2 + 14x$$

Question 26 :

A woman invests Rs 200 at the start of each year at 5% compound interest per annum. How much will her investment be at the end of the 2nd year?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 431
2. 430.5
3. 435
4. 430

Solution :

The correct answer is **option 2** i.e. 430.5

For the first year, the principal is 200

$$\text{Principal} = (200 \times 5 \times 1)/100$$

10





Principal for the second year =  $210 + 200 = 410$

$(410 \times 5 \times 1)/100$

Rs.430.5

**Question 27 :**

Mr. Vishal buys a toy for Rs.50 and sells it for Rs 75. Find the gain percent.

Difficulty : Moderate

Average Time : 43 Seconds

**Options :**

1. 50%
2. 55%
3. 45%
4. 60%

**Solution :**

The correct answer is **option 1** i.e. **50%**

Cost price(CP) = 50

Selling price(SP) = 75

Gain Percentage =  $(75 - 50)/50$

50%

**Question 28 :**

Study the following information and answer the questions given below : In a class of 100 students, 63 likes apples and 76 likes oranges. How many students like apple only?

Difficulty : Moderate

Average Time : 42 Seconds

**Options :**

1. 24
2. 37
3. 76
4. 39

**Solution :**

The correct answer is **option 1** i.e. **24**.

**Understanding**

Formula used:

$$n(A \cup B) = n(A) + n(B) - n(A \cap B)$$

$$n(A \cup B) = 100$$

$$n(A) = \text{Students who likes apple} = 63$$

$$n(B) = \text{Students who like oranges} = 76$$

$$n(A \cap B) = 63 + 76 - 100 = 39$$

$$\text{Students who like apple only} = 63 - 39 = 24$$

**Question 29 :**

Study the following information and answer the questions given below : In a class of 100 students, 63 likes apples and 76 likes oranges. How many of them like both apple and orange?

**Difficulty : Moderate**

**Average Time : 55 Seconds**

**Options :**

1. 5
2. 39
3. 40
4. 50

**Solution :**

The correct answer is **option 2** i.e. **39**.

**Understanding**



No. of Students who like only apples, Only oranges are  $63 + 76 = 139$ .

The total no. of students in a class is 100.

No. of Students like both apple and orange is  
= (No. of Students who like only apples  
and oranges) - (Total no. of students in a  
class).

No. of Students like both apple and orange is  
=  $139 - 100$ .

No. of Students like both apple and orange is  
= 39.

**Question 30 :**

The volume( in cu. cm) of a right circular cylinder with a radius 7cm and height 2cm is :

**Difficulty : Moderate****Average Time : 58 Seconds****Options :**

1. 308
2. 308/21
3. 308/7
4. 310

**Solution :**

The correct answer is **option 1** i.e. **308**

Volume of cylinder =  $r^2h$

$$(22/7) \times 7 \times 7 \times 2$$

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

**Question 31 :**

A shopkeeper cheats to the extent of 22% two times while buying fruits, by using tampered weights. His total gain in percentage is :

**Difficulty : Moderate****Average Time : 43 Seconds**

**Options :**

1. 48.5
2. 48.84
3. 48.25
4. 48.75

**Solution :**

The correct answer is **option 2** i.e. **48.84**

There is two consecutive percentage increase of 22%

$$22 + 22 + 22 \times 22/100$$

$$22 + 22 + 4.84$$

$$48.84$$

**Question 32 :**

The median of the data 7, 21, 2, 17, 3, 13, 7, 4, 9, 7, 9 is :

**Difficulty : Moderate**

**Average Time : 36 Seconds**

**Options :**

1. 4
2. 17
3. 7
4. 9

**Solution :**

The correct answer is **option 3** i.e. **7**

By arranging the given numbers in ascending order

$$2, 3, 4, 7, 7, 7, 9, 9, 13, 17, 21$$

The middlemost term is 7 i.e. median.

**Question 33 :**

If '+' means '÷', '-' means 'x', '÷' means '+' and 'x' means '-' then  $36 \times 12 + 4 \div 6 + 2 - 3 = ?$

**Difficulty : Moderate****Average Time : 40 Seconds****Options :**

1. 1
2. 39
3. 40
4. 42

**Solution :**The correct answer is **option 4** i.e. **42**.**Understanding**Given Equation:  $36 \times 12 + 4 \div 6 + 2 - 3 = ?$ 

Given conditions:

'+' means ' $\div$ ', '-' means ' $\times$ ', ' $\div$ ' means '+' and ' $\times$ ' means '-'

After replacement the equation becomes;

$$= 36 - 12 \div 4 + 6 \div 2 \times 3$$

$$= 42$$

Hence, **option 4** is not the correct answer.**Question 34 :**

Bhanu takes a total of 6 hours 50 minutes in walking a distance and running back to the same place where he started. He could walk both ways in 8 hours 30 minutes. The time taken by her to run both ways is :

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

1. 5 hours 35 min
2. 5 hours 15 min
3. 5 hours 10 min
4. 5 hours 45 min

**Solution :**

The correct answer is **option 3** i.e. **5 hours 10 min**

Let the time taken to walk in one way be 'w' and the time taken to run in one way be 'r'.

$$w + r = 6 \text{ hour } 50 \text{ minutes}$$

$$w + w = 8 \text{ hour } 30 \text{ minutes}$$

By solving two equations

$$r = 2 \text{ hours } 35 \text{ minutes \& } w = 4 \text{ hours } 15 \text{ minutes}$$

Time taken to run both ways will be =  $2 \times 2$  hours 35 minutes

4 hours 70 minutes or 5 hours 10 minutes

**Question 35 :**

Two numbers are in ratio 8 : 9 and their HCF is 6. Their LCM is :

**Difficulty : Moderate**

**Average Time : 56 Seconds**

**Options :**

1. 432
2. 54
3. 48
4. 423

**Solution :**

The correct answer is **Option 1** i.e. **432**

Let the two numbers be 8k and 9k

HCF of the two numbers is 6 so the numbers will be 48 and 54 respectively.

Product of two numbers = product of HCF and LCM

$$48 \times 54 = 6 \times \text{lcm}$$

$$\text{lcm} = 432$$

**Question 36 :**

What number comes next in the series? 1, 2, 3, 5, 8, \_\_\_\_\_



Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 11
2. 13
3. 10
4. 15

Solution :

The correct answer is **option 2** i.e. **13**.

### Understanding

Given series: 1, 2, 3, 5, 8, \_\_\_\_\_

The logic used here is:

$$1 + 2 = 3$$

$$2 + 3 = 5$$

$$3 + 5 = 8$$

$$5 + 8 = 13$$

The next term in the series is **13**.

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

Question 37 :

Complete the following series . C - 3, E - 5, G - 7, I - 9, \_\_\_\_\_

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. K - 11, M - 13
2. J - 10, K - 11
3. J - 11, L - 13
4. K - 11, N - 13

Solution :

The correct answer is **option 1** i.e. **K - 11, M - 13**.

### Understanding

Given series: C - 3, E - 5, G - 7, I - 9,

The logic used here is:

Positional value of C = 3

$$C + 2 = 5 = E$$

Positional value of E = 5

$$E + 2 = 7 = G$$

Positional value of G = 7

$$G + 2 = 9 = I$$

Positional value of I = 9

$$I + 2 = 11 = K$$

Positional value of K = 11

$$K + 2 = 13 = M$$

Positional value of M = 13

The next term in the series is **K - 11, M - 13**.

**Hence, option 1 is the correct answer.**

### Question 38 :

A question and two statements labelled (I) (II) are given. You have to decide Which statement(s) is/are sufficient to answer the question. Question: Among four friends - Arjun, Pavan, Neeraj and Sunil, who is the heaviest? Statements: I.

Arjun and Pavan are of the same weight. II. Pavan weighs more than Neeraj, but less than Sunil. Select the right option.

**Difficulty : Moderate**

**Average Time : 85 Seconds**

### Options :

1. Statement I alone is sufficient
2. Both the statements together are needed .



Statement II alone is sufficient

4. Either I or II alone are sufficient

**Solution :**

The correct answer is **option 2** i.e. **Both the statements together are needed.**

**Understanding**

From statement 1 Arjun = Pavan

From statement 2 Sunil > Pavan > Neeraj

From combining both statements,

Sunil > Arjun = Pavan > Neeraj

From both the statements Sunil is the heaviest.

So, both statements are needed for the answer.

**Question 39 :**

If '+' means '÷', '-' means 'x', '÷' means '+' and 'x' means '-' then  $36 \times 12 + 4 \div 6 + 2 - 3 = ?$

**Difficulty : Moderate**

**Average Time : 60 Seconds**

**Options :**

1. 1
2. 39
3. 40
4. 42

**Solution :**

The correct answer is **option 4** i.e. **42.**

**Understanding**

Given Equation:  $36 \times 12 + 4 \div 6 + 2 - 3 = ?$

Given conditions:

'+' means ' $\div$ ', '-' means ' $\times$ ', ' $\div$ ' means '+' and  
' $\times$ ' means '-'

After replacement the equation becomes;

$$= 36 - 12 \div 4 + 6 \div 2 \times 3$$

$$= 42$$

Hence, **option 4** is not the correct answer.

**Question 40 :**

What set of alphabets come next? QPO, SRQ, UTS, WVU, \_\_\_\_\_

Difficulty : Moderate

Average Time : 50 Seconds

**Options :**

1. YXW
2. XYW
3. VWX
4. ZXW

**Solution :**

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

Understanding

Given series: QPO, SRQ, UTS, WVU,  
\_\_\_\_\_

The logic used here is:

QPO, SRQ

$Q + 2 = S$

$P + 2 = R$

$O + 2 = Q$

Similarly;

WVU, \_\_\_\_\_

$W + 2 = Y$

$V + 2 = X$

$U + 2 = W$

The next term in the series is **YXW**.

**Hence, option 1 is the correct answer.**

**Question 41 :**

Below are the given statements followed by some conclusions. Find which of the given conclusions logically follows (s) from the given statements. Statement:  $P > Q$   $C = B = M > D$  Conclusions: I.  $M > Q$  II.  $D < Q$  III.  $M = Q$  IV.  $C < D$

Difficulty : Moderate

Average Time : 67 Seconds

**Options :**

1. Only either I or III is true
2. Only I is true
3. None is true
4. Only either II or IV is true

**Solution :**

The correct answer is **option 1** i.e. **Only either I or III is true.**

Understanding

Given statement:  $P > Q$   $C = B = M > D$

Conclusion:

I.  $M > Q$  **False** ( $M = B = C = Q$ , so  $M = Q$ )

II.  $D < Q$  **False** (Opposite signs so no relation)

III.  $M = Q$  **False** ( $M = B = C = Q$ , so  $M = Q$ )

IV.  $C < D$  **False** (Opposite signs so no relation)

**But the conclusion I and III form a complementary pair. So, either I or III is true.**

**Question 42 :**

Study the following information and answer the questions given below : In a class of 100 students, 63 likes apples and 76 likes oranges. How many of them like both apple and orange?

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. 5
2. 39
3. 40
4. 50

Solution :

The correct answer is **option 2** i.e. **39**.

Understanding



No. of Students who like only apples, Only oranges are  $63 + 76 = 139$ .

The total no. of students in a class is 100.

No. of Students like both apple and orange is  
= (No. of Students who like only apples  
and oranges) - (Total no. of students in a  
class).

No. of Students like both apple and orange is  
=  $139 - 100$ .

No. of Students like both apple and orange is  
= 39.

**Question 43 :**

Study the following information and answer the questions given below : In a class of 100 students, 63 likes apples and 76 likes oranges. How many students like apple only?

**Difficulty : Moderate****Average Time : 60 Seconds****Options :**

1. 24
2. 37
3. 76
4. 39

**Solution :**

The correct answer is **option 1** i.e. 24.

**Understanding**



Formula used:

$$n(A \cup B) = n(A) + n(B) - n(A \cap B)$$

$$n(A \cup B) = 100$$

$$n(A) = \text{Students who likes apple} = 63$$

$$n(B) = \text{Students who like oranges} = 76$$

$$n(A \cap B) = 63 + 76 - 100 = 39$$

$$\text{Students who like apple only} = 63 - 39 = 24$$

**Question 44 :**

Find out the two signs to be interchanged for making the following equation correct:  $5 + 3 \times 8 - 12 \div 4 = 3$

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

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

**Solution :**

The correct answer is **option 3** i.e. - and  $\div$ .

**Understanding**

Given Equation:  $5 + 3 \times 8 - 12 \div 4 = 3$

Check all the options:

**Option 1: + and -**

After replacement the equation becomes;

$$= 5 - 3 \times 8 + 12 \div 4$$

$$= -16 \text{ is not equal to } 3.$$

Hence, **option 1** is not the correct answer.

**Option 2: + and ÷**

After replacement the equation becomes;

$$= 5 \div 3 \times 8 - 12 + 4$$

$$= 5.33 \text{ is not equal to } 3.$$

Hence, **option 2** is not the correct answer.

**Option 3: - and ÷**

After replacement the equation becomes;

$$= 5 + 3 \times 8 \div 12 - 4$$

$$= 3 \text{ is equal to } 3.$$

Hence, **option 3** is the correct answer.

**Option 4: - and ×**

After replacement the equation becomes;

$$= 5 + 3 - 8 \times 12 \div 4$$

$$= -16 \text{ is not equal to } 8.$$

Hence, **option 4** is not the correct answer.

**Question 45 :**

Select the combination of two numbers so that letters arranged accordingly will form a meaningful English word. V A  
R S T E 1 2 3 4 5 6

Difficulty : Moderate

Average Time : 101 Seconds

**Options :**

1. 231645

2. 452316

3. 425316

4. 213654

**Solution :**

The correct answer is **option 2** i.e. **452316**.

### Understanding

You need to arrange the numbers in such a manner that the letters at their corresponding places will form a meaningful word.

So, the correct arrangement is 452316.

And the word is STARVE.

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

### Question 46 :

Read the statement given below and answer the questions that follow: (i) There are five friends. (ii) They are standing in a row facing north. (iii) Jai is to the immediate right of the Ashok. (iv) Pranesh is the only one between Bala and Subash. (v) Subash is between Jai and Pranesh. Who is standing next to each other?

Difficulty : Moderate

Average Time : 62 Seconds

### Options :

1. Subash and Bala
2. Jai and Subash
3. Ashok and Subash
4. Ashok and Pranesh

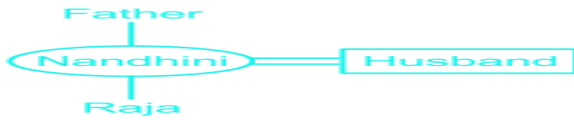
### Solution :

The correct answer is **option 2** i.e. **Jai and Subash**.

### Understanding



According to the question, the arrangement is as follows:



From the above arrangement, Jai and Subash are standing next to each other.

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

**Question 47 :**

Read the statement given below and answer the questions that follow: (i) There are five friends. (ii) They are standing in a row facing north. (iii) Jai is to the immediate right of the Ashok. (iv) Pranesh is the only one between Bala and Subash. (v) Subash is between Jai and Pranesh. Who is standing to the right of Pranesh?

Difficulty : Moderate

Average Time : 70 Seconds

**Options :**

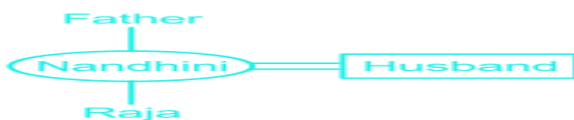
1. Jai
2. Bala
3. Subash
4. Ashok

**Solution :**

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

**Understanding**

According to the question, the arrangement is as follows:



From the above arrangement, Bala is standing to the right of Pranesh.

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

**Question 48 :**

Read the statement given below and answer the questions that follow: (i) There are five friends. (ii) They are standing in a row facing north. (iii) Jai is to the immediate right of the Ashok. (iv) Pranesh is the only one between Bala and Subash. (v) Subash is between Jai and Pranesh. Who is in the middle?

Difficulty : Moderate

Average Time : 64 Seconds

**Options :**

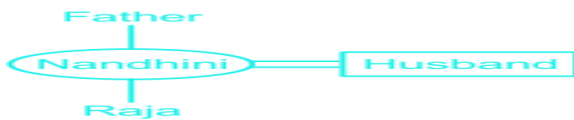
1. Pranesh
2. Subash
3. Jai
4. Ashok

**Solution :**

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

**Understanding**

According to the question, the arrangement is as follows:



From the above arrangement, Subash is in the middle.

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

**Question 49 :**

Blood Pressure: Cholesterol: \_\_\_\_\_: \_\_\_\_\_.

Difficulty : Moderate

Average Time : 49 Seconds

**Options :**

1. Chlorophyll: Plant
2. Haemoglobin: Blood
3. Diabetic: Carbohydrates

**Blood Sugar: Blood Urea****Solution :**

The correct answer is **option 3** i.e. **Diabetic: Carbohydrates**.

Understanding	Application
<p>The logic used here is:</p> <p>Blood Pressure: Cholesterol</p> <p>Cholesterol is a type of fat that can build up inside the arteries. Over time, the cholesterol can harden to form a stiff plaque, which can damage arteries, by making them stiff and narrow and inhibiting blood flow.</p>	<p>Similarly,</p> <p><b>Diabetic: Carbohydrates</b></p> <p><b>All the carbohydrates one eat and drink are broken down into glucose. Consuming simple carbohydrates can cause blood glucose levels to rise quickly in those with diabetes.</b></p> <p>Hence, <b>option 3</b> is the correct answer.</p>

**Question 50 :**

Below are the given statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statements. Statement: Adversity makes the man wise. Conclusions: I. The poor are wise. II. Men learn from bitter experiences.

**Difficulty : Moderate****Average Time : 85 Seconds****Options :**

1. Only conclusion I follows.
2. Either conclusion I or II follows.

Only conclusion II follows.

4. Neither conclusion I nor II follows.

**Solution :**

The correct answer is **option 3** i.e. **Only conclusion II follows.**

Understanding
From Statement I: As in the statement, nothing is mentioned about poor being wise. Hence, I do not follow.  Adversity means hard or bitter experiences. So, conclusion II follows. As man learns from his bitter experiences only.

**Question 51 :**

Heat: Cold:: \_\_\_\_\_ : \_\_\_\_\_

Difficulty : Moderate

Average Time : 52 Seconds

**Options :**

1. Large: Big
2. Thin: Thick
3. Tall: High
4. Male: Child

**Solution :**

The correct answer is **option 2** i.e. **Thin: Thick.**

Understanding	Application
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The logic used here is: Heat: Cold Heat and cold are opposite to each other.	Similarly, <b>Thin: Thick</b> <b>Thick and thin are opposite to each other.</b> Hence, <b>option 2</b> is the correct answer.
--	--

**Question 52 :**Compute:  $4992 \div 624 - 10$ 

Difficulty : Moderate

Average Time : 53 Seconds

**Options :**

1.  $2469 \div 307$
2. -2
3. 2
4.  $2496 \div 307$

**Solution :**The correct answer is **option 2** i.e. -2.**Understanding**Given Equation:  $4992 \div 624 - 10$ 

$$= 8 - 10$$

$$= -2$$

Hence, **option 2** is the correct answer.**Question 53 :**

Fill in the blank. 11, 10, \_\_\_\_\_, 100, 1001, 1000, 10001 ...

Difficulty : Moderate

Average Time : 42 Seconds

**Options :**

110

2. 101

3. 100

4. 111

**Solution :**The correct answer is **option 2** i.e. **101**.**Understanding**

Given series: 11, 10, \_\_\_\_\_, 100, 1001, 1000, 10001 ...

The logic used here is:

$$11 - 1 = 10$$

$$10 \times 10 + 1 = 101$$

$$101 - 1 = 100$$

$$100 \times 10 + 1 = 1001$$

$$1001 - 1 = 1000$$

$$1000 \times 10 + 1 = 10001$$

The next term in the series is **101**.**Hence, option 2 is the correct answer.****Question 54 :**

Below are the given statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statements. Statements: Some Editors are Actors. All the Actors are writers. Conclusion: I. Some Editors are Writers. II. No Actor is Editor.

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

1. Neither Conclusion I nor II follows.

2. Only Conclusion I follow

Only Conclusion II follow

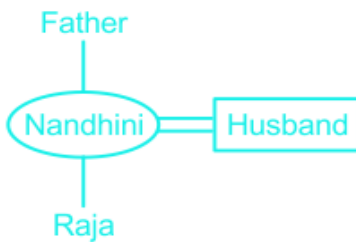
4. Either Conclusion I or II follows.

**Solution :**

The correct answer is **option 2** i.e. **Only Conclusion I follow.**

**Understanding**

The least possible Venn diagram is shown below:



**Conclusions:**

- I. Some Editors are Writers: **True**
- II. No Actor is Editor: **False (Both statements are positive, so no negative conclusion can be drawn)**

**Question 55 :**

If White is called Black, Black is called Red, Red is called Yellow, Yellow is called Green, Green is called Blue, Blue is called Violet and Violet is called Orange, what would be the colour of human blood?

**Difficulty : Moderate**

**Average Time : 68 Seconds**

**Options :**

- 1. Green
- 2. Black
- 3. Red
- 4. Yellow

**Solution :**

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

Understanding	Application
The logic used here is: White --> Black Black --> Red Red --> Yellow Yellow --> Green Green --> Blue Blue --> Violet Violet --> Orange	Similarly, <b>The Colour of human blood is Red, but it is given that Red is called Yellow (Red --&gt; Yellow).</b> Hence, <b>option 4</b> is the correct answer.

**Question 56 :**

If A is the brother of the son of B's son, how is A related to B?

**Difficulty :** Moderate

**Average Time :** 64 Seconds

**Options :**

1. Grandson
2. Brother
3. Son
4. Father

**Solution :**

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

Understanding	Application
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<p>In the diagram shown;</p> <p>Square shows males, the circle shows females, vertical lines show generations, a single horizontal line shows brothers or sisters and double lines show a couple.</p>	<p>Thus considering the figure, A is the grandson of B.</p> <p>Considering all the four options the most appropriate is option 1.</p>
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**Question 57 :**

If in a certain code TEACHER is written as VGCEJGT, how would STUDENT be written in the same code?

**Difficulty : Moderate**

**Average Time : 64 Seconds**

**Options :**

1. UWVFGPV
2. UWVGFVP
3. UVWFGPV
4. UVWFPGV

**Solution :**

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

<b>Understanding</b>	<b>Application</b>
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The logic used here is: TEACHER is written as VGCEJGT T + 2 = V E + 2 = G A + 2 = C C + 2 = E H + 2 = J E + 2 = G R + 2 = T	Similarly, <b>Code for the word STUDENT:</b> S + 2 = U T + 2 = V U + 2 = W D + 2 = F E + 2 = G N + 2 = P T + 2 = V Hence, <b>option 3</b> is the correct answer.
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**Question 58 :**The value of  $(0.3)^2 \div 100 = ?$ 

Difficulty : Moderate

Average Time : 66 Seconds

**Options :**

1. 0.09
2. 0.0009
3. 0.009
4. 0.9

**Solution :**The correct answer is **option 2** i.e. **0.0009**.**Understanding**

Given Equation:  $(0.3)^2 \div 100 = ?$

$$= 0.09 \div 100$$

$$= 0.0009$$

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

**Question 59 :**

If A stands for 'add' 'B' stands for 'subtract', C stands for 'divide' and D stands for 'multiply', then what is the value of (7D3) B6A5(20C20)?

Difficulty : Moderate

Average Time : 47 Seconds

**Options :**

1. 0

2. 10

3. 22

4. 20

**Solution :**

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

**Understanding**

Given Equation:  $(7 D 3) B 6 A 5(20 C 20)$

$$A = +$$

$$B = -$$

$$C = \div$$

$$D = \times$$

$$= (7 \times 3) - 6 + 5(20 \div 20)$$

$$= 20$$

Hence, **option 4** is the correct answer.

**Question 60 :**

A question and two statements labelled (I) (II) are given. You have to decide Which statement(s) is/are sufficient to answer

the question. Question: On which day of the week will Vimal celebrate his birthday ? Statements: I It is in Feb and the 21st of February is a Tuesday. II It is on the last day of the month. Select the right option.

**Difficulty : Moderate**

**Average Time : 62 Seconds**

**Options :**

1. Both the statements together are sufficient
2. Statements II alone is sufficient
3. Data insufficient
4. Statement I alone is sufficient

**Solution :**

The correct answer is **option 3** i.e. **Data insufficient**.

#### Understanding

From statement 1 It is mentioned that Vimal's birthday is in February month, But there is no information about the day of the week of Vimal's birthday.

From statement 2 It is the last day of the month but didn't mention the year (leap year consists of 29 days in February and normal year have 28 days)

From combining both statements - Last day of the month of February but not mentioned about the year.

So Data given in statement 1 and statement 2 is insufficient.

**Question 61 :**

A family consists of a grandmother, father, mother, and their four sons with their respective wives. Further, each son has a daughter and two sons. How many females are there in all?

**Difficulty : Moderate**

**Average Time : 71 Seconds**

**Options :**

- 12
- 2. 14
- 3. 9
- 4. 10

**Solution :**

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

Understanding	Application
<p>In the diagram shown;</p> <p>Square shows males, the circle shows females, vertical lines show generations, a single horizontal line shows brothers or sisters and double lines show a couple.</p>	<p>Thus considering the figure, there are 10 females in all.</p> <p>Considering all the four options the most appropriate is option 4.</p>

**Question 62 :**

If ROSE is coded as 6821, CHAIR is coded as 73456, what will be the code for SEARCH?

**Difficulty : Moderate**

**Average Time : 62 Seconds**

**Options :**

- 1. 216473
- 2. 217463
- 3. 214763
- 4. 214673

**Solution :**

The correct answer is **option 4** i.e. **214673**.

Understanding	Application
The logic used here is: ROSE is coded as 6821, CHAIR is coded as 73456  R 6 O 8 S 2 E 1 C 7 H 3 A 4 I 5 R 6	Similarly,  <b>Code for the word SEARCH:</b>  <b>S 2</b> <b>E 1</b> <b>A 4</b> <b>R 6</b> <b>C 7</b> <b>H 3</b>  Hence, <b>option 4</b> is the correct answer.

**Question 63 :**

Eyes: Tears:: \_\_\_\_\_: \_\_\_\_\_

Difficulty : Moderate

Average Time : 65 Seconds

**Options :**

1. Sea: Water
2. Volcano: Lava
3. Heart: Artery
4. Hunger: Bread

**Solution :**

The correct answer is **option 2** i.e. **Volcano: Lava**.

Understanding	Application
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<p>The logic used here is:</p> <p>Eyes: Tears</p> <p>Tears flow from the eyes.</p>	<p>Similarly,</p> <p><b>Volcano: Lava</b></p> <p><b>Lava flows out of a volcano.</b></p> <p>Hence, <b>option 2</b> is the correct answer.</p>
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**Question 64 :**

Below are the given statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statements. Statements: Some Pearls are green. Some gems are ornaments. Conclusions: I. Some gems are pearls. II. Some ornaments are gems.

Difficulty : Moderate

Average Time : 69 Seconds

**Options :**

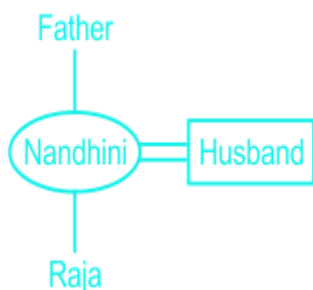
1. Only Conclusion I follow.
2. Either Conclusion I or II follows.
3. Neither Conclusion I nor II follows.
4. Only Conclusion II follow.

**Solution :**

The correct answer is **option 4** i.e. **Only Conclusion II follow.**

**Understanding**

The least possible Venn diagram is shown below:



**Conclusions:**

I. Some gems are pearls: **False (No relation)**

II. Some ornaments are gems: **True**

**Question 65 :**

Fill in the blank. U, O, I, \_\_\_\_, A

Difficulty : Moderate

Average Time : 58 Seconds

**Options :**

1. S

2. G

3. B

4. E

**Solution :**

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

**Understanding**

Given series: U, O, I, \_\_\_\_, A

The logic used here is:

The vowels in English Alphabet have been written in reverse order.

U, O, I, **E**, A

The next term in the series is **E**.

**Hence, option 4 is the correct answer.**

**Question 66 :**

Choose the word that is related to the third word in the same way as the second word is related to the first word. Boon: Bane:: Appear:?

Difficulty : Moderate

Average Time : 57 Seconds

**Options :**



Cover

2. Disappear

3. Backspace

4. Delete

**Solution :**

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

Understanding	Application
The logic used here is: Boon: Bane Boon and bane are opposite.	Similarly, <b>Appear:?</b> <b>Appear and disappear are opposite to each other.</b> Hence, <b>option 2</b> is the correct answer.

**Question 67 :**

What number comes next in the series? 1, 2, 3, 5, 8, \_\_\_\_\_

Difficulty : Moderate

Average Time : 51 Seconds

**Options :**

1. 11

2. 13

3. 10

4. 15

**Solution :**

The correct answer is **option 2** i.e. **13**.

Understanding

Given series: 1, 2, 3, 5, 8, \_\_\_\_\_

The logic used here is:

$$1 + 2 = 2$$

$$2 + 3 = 5$$

$$5 + 3 = 8$$

$$8 + 5 = 13$$

The next term in the series is **13**.

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

### Question 68 :

Sparrow: Seed:: Silkworm:?

Difficulty : Moderate

Average Time : 45 Seconds

### Options :

1. Maple
2. Pine
3. Mulberry
4. Silk

### Solution :

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

Understanding	Application
The logic used here is: Sparrow: Seed Sparrow eats seed.	Similarly, <b>Silkworm:?</b> <b>Silkworm eats Mulberry.</b> Hence, <b>option 3</b> is the correct answer.

### Question 69 :

Water: Ocean:: Snow:?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Mountain
2. Glacier
3. Hail
4. Peaks

Solution :

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

Understanding	Application
The logic used here is: Water: Ocean The ocean is a moving body of water.	Similarly, <b>Snow:?</b> <b>A glacier is a moving body of snow.</b> Hence, <b>option 2</b> is the correct answer.

Question 70 :

Raja's mother is the only daughter of Nandhini's father. How is Nandini's husband related to Raja?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Father
2. Son
3. Uncle
4. GrandFATHER

Solution :

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

Understanding	Application
<p>In the diagram shown;</p> <p>Square shows males, the circle shows females, vertical lines show generations, a single horizontal line shows brothers or sisters and double lines show a couple.</p>	<p>Thus considering the figure, Nandini's husband is the father of Raja.</p> <p>Considering all the four options the most appropriate is option 1.</p>

**Question 71 :**

As per the Constitution of India , the retirement age of the supreme Court Judges is :

Difficulty : Moderate

Average Time : 62 Seconds

**Options :**

1. 60years
2. 62years
3. 65 years
4. 55 years

**Solution :**

The correct answer is **option 3** i.e. **65 years**.

- According to the Indian Constitution, the supreme court judges retire upon attaining the age of **65 years**.
- The Supreme Court of India comprises of the Chief Justice and 30 other judges appointed by the President of India.
- The Supreme court of India came into being on **28 January, 1950**.

**Question 72 :**



The Arjuna Awardee for 2016 in the discipline of football was :

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Subrata Paul
2. Deepak Kumar Mondal
3. Soumyajit Ghosh
4. Sunil Chhetri

Solution :

The correct answer is **option 1** i.e. **Subrata Paul**.

- **Subrata Paul**, an Indian professional footballer received the Arjuna Award for 2016 in the field of football. He is currently playing as a goal-keeper for East Bengal on loan, in the Indian Super League.
- The **Arjuna Award** is the **second highest sporting honour in India** after Khel Ratna Award. The award is named after Arjuna, a character from the Sanskrit epic, Mahabharata.

Question 73 :

Which one of the following is a fairly good conductor of electricity ?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Mica
2. Bakelite
3. Graphite
4. Dry air

Solution :

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

- **Graphite** is a good conductor of heat and electricity due to the presence of free electrons in its framework.
- This takes place when each carbon atom is bonded to the three other carbon atoms. However, in diamonds, the four outer electrons on each carbon atom are included in covalent bonding. Hence, there are no delocalized electrons.

Question 74 :

Which of the following forts was called the ' Troy of the East ' by the British ?



Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Golconda Fort
2. Gingee Fort
3. Agra Fort
4. Amer Fort

Solution :

The correct answer is **option 2** i.e. **Gingee Fort**.

- The **Gingee Fort** was known as the "**Troy of the East**" by the Britishers.
- The Gingee Fort is one of the surviving forts situated in Villupuram district in the state of Tamil Nadu.
- It was originally built by Ananta Kon of the Konar dynasty around 1190 A.D and later fortified by Krishna Konar. The fort was built as a strategic place of fending off any invading armies.

Question 75 :

The Appointments Committee of the Cabinet extended the tenure of \_\_\_\_\_ , as chairman , Railway Board , by two years with effect from 1st August 2016.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. S . K . Roy
2. Arunendra Kumar
3. Deepak Gupta
4. A.K . Mittal

Solution :

The correct answer is **option 4** i.e. **A.K . Mittal**.

- **A.K Mittal** was appointed as the chairman for a tenure of 2 years with effect from 1 August 2016, by the Cabinet Appointments Committee.
- A.K Mittal is an Indian judge. He has also served as the chief justice of Madhya Pradesh High court and Meghalaya High court and the former judge of Punjab and Haryana high court.

Question 76 :

India's first Auto Bio -CNG Plant was inaugurated at Pune in Aug 2016 by the Union Ministers , \_\_\_\_\_ .



Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Arun Jaitley and Nitin Gadkari
2. Nitin Gadkari and Manohar Parrikar
3. Suresh Prabhu and Nitin Gadkari
4. Manohar Parrikar and Venkaiah Naidu

Solution :

The correct answer is **option 2** i.e. **Nitin Gadkari and Manohar Parrikar**.

- **Nitin Gadkari and Manohar Parrikar** inaugurated India's first Auto Bio-CNG Plant in Pune on August 2016.
- At present, Suresh Prabhu is serving as the Indian emissary to the G20 and G7 while Nitin Gadkari is the current minister for Road Transport and Highways in the Government of India.

Question 77 :

'E1 Nino' refers to a temperature anomaly in the \_\_\_\_\_ ocean .

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Indian
2. Pacific
3. Southern
4. Atlantic

Solution :

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

- The **El Nino, meaning Christ Child in Spanish**, refers to a warming of the ocean surface in the central and eastern tropical **Pacific Ocean**.
- During El Nino, trade winds weaken and warm water is pushed back east, towards the west coast of the Americas.
- The warmer water cause the Pacific jet stream to move south of its neutral position. Due to this shift, areas in the northern U.S and Canada are dryer and warmer than usual.

Question 78 :

The ratio of the height of image to the height of object is known as :



Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Lateral inversion
2. Mirror formula
3. First law of reflection
4. Linear magnification

Solution :

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

- **Linear magnification** refers to the ratio of image length to object length measured in planes that are perpendicular to the optical axis.
- Image magnification refers to the proportional increase in the dimensions of a radiographed object and is relative to the actual dimensions of that object.
- In optics, the size of an image is relative to the size of the object creating it.

Question 79 :

The UNESCO World Heritage Site , Rani - ki- Vav is located at \_\_\_\_\_ .

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Shimla , Himachal Pradesh
2. Patan , Gujarat
3. Konark , Odisha
4. Jodhpur , Rajasthan

Solution :

The correct answer is **option 2** i.e. **Patan, Gujarat**.

- **Rani-ki-Vav** is a stepwell situated in the town of **Patan** in the state of **Gujarat**.
- It is located on the banks of Saraswati river and its construction is attributed to Udayamati, daughter of Khengara of Saurashtra, queen and spouse of the 11th century Chaulukya king Bhima I.





Rani-ki-Viv has been listed as one of the UNESCO's World Heritage Sites since 2014.

**Question 80 :**

The President of the Indian Olympic Association , N Ramachandran , was awarded the Olympic Order for his outstanding services to \_\_\_\_\_ .

**Difficulty : Moderate****Average Time : 55 Seconds****Options :**

1. Athletics
2. The Olympic movement
3. Hockey
4. Football

**Solution :**

The correct answer is **option 2** i.e. **The Olympic movement**.

- **N Ramachandran**, the President of the Indian Olympic Committee was awarded the Olympic Order for his outstanding services to the **Olympic movement**.
- The Olympic Order is the highest declaration of the Olympic Movement and is awarded for its exceptionally and distinguished contributions to the Olympic Movement, i.e, recognition of efforts worthy of merit in the cause of sport.

**Question 81 :**

With reference to computing , an 'Applet ' is \_\_\_\_\_ .

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

1. A Java application
2. Computer virus
3. A firewall
4. A cookie

**Solution :**

The correct answer is **option 1** i.e. **A Java application**.

- The applet is used as a search engine. It is a small software program that supports a larger application program.
- In the past, the term applet was often associated with the **Java programming language**.

The applet can also run in HTML. Java applets are used to add small, interactive components or enhancements to a web page.

### Question 82 :

The Harappan Civilization flourished around 2500 BC in what we call today \_\_\_\_\_

Difficulty : Moderate

Average Time : 52 Seconds

### Options :

1. Pakistan and Afghanistan
2. Western India and Pakistan
3. Afghanistan and Western India
4. India and China

### Solution :

The correct answer is **option 2** i.e. **Western India and Pakistan**.

- The Harrapan Civilization flourished around 2,500 BC, in the western region of South Asia, i.e **present Pakistan and Western India**.
- The civilization was first identified in 1921 at Harappa, Punjab region and then in 1922 at Mohenjodaro, near the Indus river in the Sindh region.
- It is the earliest known urban culture of the Indian subcontinent and is among the world's three earliest civilizations, the other two being the Mesopotamia and Egypt.

### Question 83 :

\_\_\_\_\_ won the best actress award at the Indian Film Festival of Melbourne 2016 .

Difficulty : Moderate

Average Time : 59 Seconds

### Options :

1. Deepika Padukone
2. Sonam Kapoor
3. Rituparna Sengupta
4. Radhika Apte

### Solution :

The correct answer is **option 2** i.e. **Sonam Kapoor**.



**Sonam Kapoor** won the best actress award at the Indian Film Festival of Melbourne 2016 for her exceptional performance in Neerja Bhanot's biopic "Neerja."

- The theme of the 2016 Indian Film Festival was "Women Empowerment".

### Question 84 :

Python is :

Difficulty : Moderate

Average Time : 44 Seconds

### Options :

1. a programming language
2. an operating system
3. an application program
4. a compiler

### Solution :

The correct answer is **option 1** i.e. a **programming language**.

- Python is an interpreted high-level **programming language** which emphasizes code readability with its use of significant indentation.
- Python's language constructs as well as its object oriented approach aims to help programmers write clear, logical code for small and large-scale projects.
- It is often described as a "batteries included" language due to its comprehensive standard library.

### Question 85 :

\_\_\_\_\_ was a cargo vessel flagged off by the Mister of Shipping in Ganga at Varanasi on 12th August 2016 .

Difficulty : Moderate

Average Time : 55 Seconds

### Options :

1. MV Joy Basudev
2. MV Vishva Uday
3. MV Jindal Kamakshi
4. MSC India

### Solution :

The correct answer is **option 1** i.e. **MV Joy Basudev**.



**MV Joy Basudev**, a cargo vessel from Aghoreshwar Bhagwan, Ram Gaht was flagged off by the Minister of Shipping Shri Nitin Gadkari in Ganga, Varanasi on 12 August, 2016.

- MV Joy Basudev has a capacity of 1400 tonnes containing newly assembled Maruti Suzuki car and building materials in Varanasi was on its way to Haldia. The transport system facilitated the jobs of lakhs of people in Uttar Pradesh and enabled 11 state power stations to obtain timely supplies of coal.

**Question 86 :**

Which of the following is NOT true in regard to Goods and Services Tax ( GST ) ?

Difficulty : Moderate

Average Time : 59 Seconds

**Options :**

1. It will replace luxury tax
2. It is a direct tax
3. It will replace multiple taxes on a product or services
4. It is an indirect tax

**Solution :**

The correct answer is **option 2** i.e. **It is a direct tax.**

- **GST (Goods and Services Tax) is an indirect tax** which was introduced to replace a host of other indirect taxes such as value added tax, service tax, purchase tax, excise duty and so on.
- GST is levied on the supply of certain goods and services in India and is also the only tax which is applicable all over India.

**Question 87 :**

\_\_\_\_\_ lake is suspected to have developed due to impact of a large meteorite on Deccan Basaltic rocks of Cretaceous age .

Difficulty : Moderate

Average Time : 60 Seconds

**Options :**

1. Lonar
2. Venna
3. Rankala
4. Ambazari

**Solution :**



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

- The **Lonar lake**, a crater lake is located at Lonar in Buldhana district, Maharashtra.
- It was created by a meteorite collision impact during the Pleistocene epoch. It is one of the four known hyper velocity impact craters in basaltic rock anywhere on earth.

**Question 88 :**

Who among the following was awarded the Ashok Chakra (posthumous) by President Pranab Mukherjee on the eve of Independence Day 2016 ?

Difficulty : Moderate

Average Time : 49 Seconds

**Options :**

1. Lt . Col. Niranjan Ek
2. Neeraj Kumar Singh
3. Lt. Navdeep Singh
4. Havildar Hangpan Dada

**Solution :**

The correct answer is **option 4** i.e. **Havildar Hangpan Dada**.

- **Havildar Hangpan Dada** was posthumously awarded the Ashok Chakra, which is India's highest award for gallantry during peacetime, on the eve of the 70th Independence Day 2016 by President Pranab Mukherjee.
- Dada was a member of the Assam Regiment of the 35th Division of the Rashtriya Rifles.

**Question 89 :**

The Commercial and marketing arm of ISRO is :

Difficulty : Moderate

Average Time : 49 Seconds

**Options :**

1. Antrix Corporation Limited
2. ISRO Satellite Corporation
3. ISRO Marketing Corporation Limited
4. Space Applications Centre

**Solution :**

The correct answer is **option 1** i.e. **Antrix Corporation Limited**.



The commercial and marketing arm of ISRO is **Antrix Corporation Limited**.

- The Antrix Corporation Limited is an Indian government owned company incorporated in September 1992 commercially exploiting space products of ISRO, providing technical consultancy services and transferring technologies to industry.

### Question 90 :

According to the survey conducted by IRCTC in 2016 , which of the following stations was NOT in the list of top 10 ranking for the cleanest stations in India .

Difficulty : Moderate

Average Time : 54 Seconds

### Options :

1. GANDHIDHAM - Western Railway
2. BEAS - Northern Railway
3. PARTAPGARH - Northern Railway
4. NASIKROAD - Central Railway

### Solution :

The correct answer is **option 3** i.e. **PARTAPGARH - Northern Railway**.

- According to the survey conducted by IRCTC in 2016, **PARTAPGARH-Northern Railway station** was not in the list of top 10 ranking for the cleanest stations in India.
- Among the following, Beas in Punjab, Gandhidham from Gujarat and Vasco-da-Gama of Goa were the cleanest serially and respectively.

### Question 91 :

Cadaver refers to :

Difficulty : Moderate

Average Time : 52 Seconds

### Options :

1. a clinically alive human being
2. a dead human body used for anatomy
3. a live human being used for trial
4. resurrected human body

### Solution :

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The correct answer is **option 2** i.e. **a dead human body used for anatomy.**

- **Cadaver** refers to a **dead human body** used by medical students, physicians and other scientists to study anatomy, identify diseases, determine the causes of death and to provide tissue to repair a defect in a living human being.
- Students in medical school study and dissect cadavers as a part of their education.

**Question 92 :**

State Bank of India recently launched 'SBI Exclusif' . It is a \_\_\_\_\_ product .

Difficulty : Moderate

Average Time : 57 Seconds

**Options :**

1. **Wealth Management**
2. Loan
3. Mutual Fund
4. Insurance

**Solution :**

The correct answer is **option 1** i.e. **Wealth Management.**

- The State Bank of India launched its **wealth management service** SBI Exclusif in the national capital, which was one of a kind to be introduced by a public sector bank.
- It had earlier launched this service in Bengaluru, on a pilot basis. The plan was to gradually cover around 37 centres across India till March 2017.
- The SBI Exclusif will be open to customers with a wealth base of Rs.30 lakh, which may be relaxed to Rs.10-15 lakh if the bank feels that the customer has the potential for scaling up wealth.

**Question 93 :**

The National Song of India , ' Vande Mataram ' was composed in \_\_\_\_\_ language .

Difficulty : Moderate

Average Time : 61 Seconds

**Options :**

1. Pali
2. Urdu
3. Hindi
4. **Sanskrit**

**Solution :**



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

- The National song "Vande Mataram" which was composed by Bankim Chandra Chatterjee in the 1870's, was composed in **Sanskrit language**.
- The song was first sung by Rabindranath Tagore in the 1896 session of the Indian National Congress
- Chatterjee included the song Vande Mataram in his 1882 Bengali novel, Anandamath.

**Question 94 :**

Find the incorrect statement in regard to food .

Difficulty : Moderate

Average Time : 49 Seconds

**Options :**

1. It is an inorganic substance
2. It undergoes chemical reactions
3. It is an organic substance
4. It provides energy

**Solution :**

The correct answer is **option 1** i.e. **It is an inorganic substance** .

- Food is an **inorganic substance**.
- Food is any substance that provides or supply the body with dietary help. It is typical of plant, animal or fungal origin and contains essential nutrients like sugar, fats, proteins, vitamins or minerals.

**Question 95 :**

Who among the following has served as the Finance Minister of India ?

Difficulty : Moderate

Average Time : 51 Seconds

**Options :**

1. Pranab Mukherjee
2. K.R Narayanan
3. Shankar Dayal Sharma
4. Neelam Sanjiva Reddy

**Solution :**

The correct answer is **option 1** i.e. **Pranab Mukherjee**.





**Pranab Mukherjee** has served as the Finance Minister of India from 2009 to 2012.

- He has also served as the 13th President of India from 2012 until 2017. He was awarded with India's highest civilian honour, Bharat Ratna in 2019, by his successor as President, Ram Nath Kovind.

**Question 96 :**

In Feb 2016, \_\_\_\_\_ was added as India's 49th Tiger Reserve .

Difficulty : Moderate

Average Time : 49 Seconds

**Options :**

1. Pakke Tiger Reserve , Arunachal Pradesh
2. Rajaji Tiger Reserve , Uttarakhand
3. Bor Tiger Reserve, Maharashtra
4. Orang Tiger Reserve , Assam

**Solution :**

The correct answer is **option 4** i.e. **Orang Tiger Reserve , Assam.**

- In 2016, the **Orang Tiger Reserve** was added as India's 49th Tiger Reserve. The Orang Tiger Reserve is a national park in India situated in the state of Assam.
- It was established as a sanctuary in 1985 and on 13 April 1999, it was designated as a national park. It harbours various animals such as Indian rhinoceros, pygmy hog, Asian elephant, wild buffalo and Bengal tiger.

**Question 97 :**

\_\_\_\_\_ assumed office of the Lieutenant Governor of Puducherry on 29thMay2016.

Difficulty : Moderate

Average Time : 57 Seconds

**Options :**

1. Prof.Jagdish Mukhi
2. Shri . Najeed Jung
3. Shri . Farooq Khan
4. Dr. Kiran Bedi

**Solution :**

The correct answer is option 4 i.e. **Dr. Kiran Bedi.**

- **Dr. Kiran Bedi**, former IPS officer assumes charge as the 23rd Lieutenant Governor of Puducherry on 29 May,



2016.

- Bedi is the fourth woman Lt. Governor of the Union Territory, a post which was under the additional charge of Lt. Governor of Andaman and Nicobar island for nearly two years.

**Question 98 :**

Seismologists DO NOT predict where major earthquakes are likely to occur based on \_\_\_\_\_ .

Difficulty : Moderate

Average Time : 51 Seconds

**Options :**

1. the movement of the plates in the earth
2. the location of fault zones .
3. the positions of planets
4. the history of earthquakes in the region

**Solution :**

The correct answer is **option 3** i.e. **the positions of planets**

- Seismologists do not predict where major earthquakes are likely to occur based on the **positions of planets**.
- Seismologists are earth scientists that are specialized in geophysics, who study the genesis and the propagation of seismic waves in geological materials.
- These geological materials can range from a laboratory sample to the earth as a whole, from its surface to its core.

**Question 99 :**

Freedom fighters Bhagat Singh , Rajguru and Sukdev were hanged for the murder of :

Difficulty : Moderate

Average Time : 60 Seconds

**Options :**

1. J.P Saunders
2. Reginald Dyer
3. John Simon
4. James A . Scott

**Solution :**

The correct answer is **option 1** i.e. **J.P Saunders**.

- Freedom fighters Bhagat Singh , Rajguru and Sukdev who believed in the ideology of making some noise to wake



up the Britishers were hanged for the murder of **J.P Saunders**.

- March 23 is celebrated as Shaheed Diwas or or Martyr's Day in India.

**Question 100 :**

Bending of light at the boundary between two media is the effect of \_\_\_\_\_.

Difficulty : Moderate

Average Time : 50 Seconds

**Options :**

1. Scattering
2. Reflection
3. Refraction
4. Diffusion

**Solution :**

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

- **Refraction** refers to the change in direction of a wave passing from one medium to another caused by its change in speed.
- For instance, waves travel faster in deep water than in shallow water. A light ray also refracts whenever it travels at an angle into a medium of different refractive index.

**Question 101 :**

Nita Ambani become the first Indian woman to join the \_\_\_\_\_ as an Individual Member .

Difficulty : Moderate

Average Time : 50 Seconds

**Options :**

1. International Olympic Committee
2. International Paralympic Committee
3. International Federation of Association of Football (FIFA)
4. Indian Olympic Association

**Solution :**

The correct answer is **option 1** i.e. **International Olympic Committee**.

- **Nita Ambani** became the first woman to join the **International Olympic Committee in 2016**.
- The International Olympic Committee is a non governmental organization which is responsible for organizing the



Summer and the Winter Olympic Games.

- The IOC is also responsible for the promotion of Olympic values and is regarded as the supreme authority of the Olympic movement.

**Question 102 :**

The Marine Gondwana Fossil Park is located in :

Difficulty : Moderate

Average Time : 55 Seconds

**Options :**

1. Chhattisgarh
2. Rajasthan
3. Tamil Nadu
4. Gujarat

**Solution :**

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

- The Marine Fossil Park is situated in the state of **Chhattisgarh**.
- The park is a unique exposure of fossiliferous marine Permian rocks of Talchir formation, belonging to Gondwana supergroup.
- The state of Chhattisgarh is rich in forests, wildlife, minerals and archaeological mountains.

**Question 103 :**

The presence of free \_\_\_\_\_ in a substance makes it a conductor of electricity .

Difficulty : Moderate

Average Time : 49 Seconds

**Options :**

1. positrons
2. protons
3. electrons
4. neutrons

**Solution :**

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



The presence of free **electrons** in a substance makes it a conductor of electricity.

- The electron is a subatomic particle whose electric charge is negative one elementary charge. It belongs to the first generation of the lepton particle family.
- Electrons play a significant role in numerous physical phenomena such as electricity, chemistry, magnetism and thermal conductivity and also participate in gravitational, electromagnetic and weak interactions.

### Question 104 :

Which one of the following Indian States does NOT contain a portion of the Thar Desert ?

Difficulty : Moderate

Average Time : 54 Seconds

### Options :

1. Gujarat
2. Haryana
3. Himachal Pradesh
4. Punjab

### Solution :

The correct answer is **option 3** i.e. **Himachal Pradesh**.

- The Thar desert, also known as the 'Great Indian Desert' is a large arid desert region situated in the northwestern part of the Indian sub-continent which forms a natural boundary between India and Pakistan.
- The Thar desert in Rajasthan stretches the states of Gujarat, Punjab and Haryana and the Pakistani province of Sindh. However, it does not stretch towards the state of **Himachal Pradesh**.

### Question 105 :

Which one of the following books were written by Dr. Abdul Kalam ?

Difficulty : Moderate

Average Time : 53 Seconds

### Options :

1. Rebooting India
2. Imagining India
3. Untouchable
4. The Life Tree

### Solution :

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



**The Life Tree** is a collection of poems authored by **Dr. Abdul Kalam in 2005**,

- In this book, the author takes us into his world, full of simplicity and beauty, understanding and compassion.
- The Life Tree is an intimate introduction to Kalam the man, his life and his inspirational thoughts.

**Question 106 :**

\_\_\_\_\_ is a new programme ,launched in 2016by the Minister of science and Technology to empower farmers .

**Difficulty : Moderate**

**Average Time : 53 Seconds**

**Options :**

1. National Crop Insurance Scheme
2. Biotech - KISAN
3. KISAN Technology
4. Rashtriya Krishi Vikas Yojana

**Solution :**

The correct answer is **option 2** i.e. **Biotech - KISAN**.

- The **Biotech-KISAN**, introduced in 2016 is an initiative that empowers farmers, especially women farmers with an aim to understand the problems of water, soil, seed and market faced by the farmers and provide simple solutions to them.

**Question 107 :**

The Slogan of World Environment Day 2016 was :

**Difficulty : Moderate**

**Average Time : 46 Seconds**

**Options :**

1. Raise Your Voice , Not The Sea Level
2. Go Wild For Life
3. On Earth , One Family
4. A Tree for Peace

**Solution :**

The correct answer is **option 2** i.e. **Go Wild For Life**.

- The slogan or the theme of 2016 World Environment Day is "**Go Wild for Life**."
- The World Environment Day is celebrated annually on 5 June as a principle vehicle for encouraging awareness and

action for the protection of the environment.

**Question 108 :**

Blood Pressure: Cholesterol: \_\_\_\_\_: \_\_\_\_\_.

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

1. Chlorophyll: Plant
2. Haemoglobin: Blood
3. Diabetic: Carbohydrates
4. Blood Sugar: Blood Urea

**Solution :**

The correct answer is **option 3** i.e. **Diabetic: Carbohydrates**.

Understanding	Application
The logic used here is:  Blood Pressure: Cholesterol  Cholesterol is a type of fat that can build up inside the arteries. Over time, the cholesterol can harden to form a stiff plaque, which can damage arteries, by making them stiff and narrow and inhibiting blood flow.	Similarly,  <b>Diabetic: Carbohydrates</b>  <b>All the carbohydrates one eat and drink are broken down into glucose. Consuming simple carbohydrates can cause blood glucose levels to rise quickly in those with diabetes.</b>  Hence, <b>option 3</b> is the correct answer.

**Question 109 :**

Which of the following sports persons is NOT correctly matched with their respective discipline ?

Difficulty : Moderate

Average Time : 70 Seconds

**Options :**

1. Jai Rai : Shooting
2. Deepal Karmakar : Gymnastics
3. P.VSindhu : Badminton
4. Sakshi Malik : Boxing

**Solution :**

The correct answer is **option 4** i.e. **Sakshi Malik : Boxing**.

- **Sakshi Malik** is an Indian **freestyle wrestler**.
- She has won the bronze medal at the 2016 Summer Olympics in the 58 kg category, becoming the first Indian female wrestler to win a medal at the Olympics.
- She is also a part of the JSW Sports Excellence Program, along with fellow female wrestlers like Vinesh Phogat, Babita Kumari and Geeta Phogat.

**Question 110 :**

'Manikarna' is the original name of which one of the following freedom fighter ?

Difficulty : Moderate

Average Time : 56 Seconds

**Options :**

1. Madan Kama
2. Kittur Chennamma
3. Sarojini Naidu
4. Rani Lakshmbai

**Solution :**

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

- **Rani Lakshmi Bai**, the Indian freedom fighter, was originally called '**Manikarna Tambe**'.
- She was an Indian queen, the Maharani consort of the Maratha princely state of Jhansi as well as the wife of Maharaja Gangadhar Rao.
- She was one of the leading figures of the Indian Rebellion of 187 and became the symbol of resistance to the British





Raj for Indian nationalists.

**Question 111 :**

\_\_\_\_\_ assumed the office of the Chairman of ISRO on January 14,2015.

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

1. Dr. K Radhakrishnan
2. Dr . Krishnaswamy Kasturirangan
3. Shri . G Madhavan Nair
4. Shri A .S Kiran Kumar

**Solution :**

The correct answer is **option 4** i.e. **Shri A .S Kiran Kumar**.

- **A.S Kiran Kumar** assumed the office of the Chairman of ISRO on 14 January, 2015.
- He is a highly accomplished space scientist and engineer with a distinguished career spanning over four decades in ISRO in the satellite payload and application domains.
- He has played an instrumental role in evolving the successful strategy for steering the Mars Orbiter Spacecraft towards the planet Mars as well as its Mars Orbit Insertion.

**Question 112 :**

Which one of the following is the Capital of the Union Territory Daman and Diu ?

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

1. Daman
2. Diu
3. Dabhel
4. Bhimpore

**Solution :**

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

- Daman and Diu is a union territory in western India with its capital city as **Daman**.
- The union territory was constituted through the merger of the former union territories of Dadra and Nagar Haveli and



Daman and Diu.

- While Daman is an enclave on the coast of Gujarat, Diu is an island off the coast of Gujarat.

**Question 113 :**

The host for Olympics games 2020 is :

Difficulty : Moderate

Average Time : 50 Seconds

**Options :**

1. Istanbul
2. Doha
3. Madrid
4. Tokyo

**Solution :**

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

- The Olympics Games (Summer Olympics) 2020 was held in **Tokyo, Japan**.
- It was an international multi-sport event held from 23rd July- 8 August, 2021 and the cartoony Miraitowa was the official mascot of the Tokyo Olympics.

**Question 114 :**

Which is India's slowest train currently ?

Difficulty : Moderate

Average Time : 43 Seconds

**Options :**

1. Mettupalayam -Ooty Nilgiri passanger train
2. New Delhi - Bhopal Shatabdi Express
3. Dibrugarh - Kanyakumari Vivek Express
4. Pratapnagar - Jambusar passanger train

**Solution :**

The correct answer is **option 1** i.e. **Mettupalayam -Ooty Nilgiri passanger train**.

- **Mettupalayam Ooty Nilgiri Passanger train** is the **slowest train in India**.
- The train runs at a speed of 10 kmph, which is roughly 16 times slower than the fastest train in India.
- The train covers 46 km in about 5 hours which is due to the train operating in a hilly area. However, the scenic view



makes up for the speed of the train.

**Question 115 :**

Which among the following is the lowest computer storage size ?

**Difficulty : Moderate**

**Average Time : 58 Seconds**

**Options :**

1. 1 Gigabyte
2. 1 Petabyte
3. 1 Terabyte
4. 1 Megabyte

**Solution :**

The correct answer is **option 4** i.e. **1 Megabyte**.

- Among the following, **Megabyte** is the lowest computer storage size.
- The smallest unit of data storage in a computer is called Bit (Binary Digit) while half a byte (4 bits) is called a Nibble.
- 1 bit (binary digit)= the value of 0 or 1
- 8 bits= 1 byte
- 1024 bytes= 1 kilobyte
- 1024 kilobytes= 1 megabyte
- 1024 megabytes= 1 gigabyte
- 1024 gigabytes= 1 terabyte
- 1024 terabytes= 1 petabyte

**Question 116 :**

The \_\_\_\_\_ is the Constitutional Head of Executive of the Indian Union .

**Difficulty : Moderate**

**Average Time : 53 Seconds**

**Options :**

1. President
2. Prime Minister
3. Chief Election Commissioner
4. Chief Justice

**Solution :**



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

- The **President of India** is officially the head of the Indian state, the commander-in-chief of the Indian Armed Forces and the first citizen of India.
- Article 52-62 deals with President of India and he forms an important part of the Union Executive.
- At present, Ram Nath Kovind is the 14th and current president.

**Question 117 :**

The Indus Valley Civilization is a :

Difficulty : Moderate

Average Time : 50 Seconds

**Options :**

1. Copper Age Civilization
2. Iron Age Civilization
3. Axial Age Civilization
4. Bronze Age Civilization

**Solution :**

The correct answer is **option 4** i.e. **Bronze Age Civilization**.

- The Indus Valley Civilization was a **Bronze Age civilization** that was prevalent in the northwestern regions of South Asia, lasting from 3300 BCE to 1300 BCE, and its mature form was from 2600 BCE to 1900 BCE.
- Along with ancient Egypt and Mesopotamia, the Indus Valley was one of the three early civilizations of the North east and South Asia, to the northeast Afghanistan, through much of Pakistan and into western and northwestern India.

**Question 118 :**

National Tourism Award 2014-15 , for the Best Tourist Friendly Railway Station was given to the \_\_\_\_\_ Railway station .

Difficulty : Moderate

Average Time : 59 Seconds

**Options :**

1. Sawai Madhopur
2. Madhubani
3. Rajkot
4. Pune



## Solution :

The correct answer is **option 1** i.e. **Sawai Madhopur**.

- **Sawai Madhopur Railway Station** was awarded with National Tourism Award during the 2014-15, as the "Best Tourist Freindly Railway Station."
- Sawai Madhopur Railway Station is a major railway station in New Delhi-Mumbai main line and Jaipur-Mumbai rail line of the West Central Railway zone network.

## Question 119 :

VLSI stands for

Difficulty : Moderate

Average Time : 47 Seconds

## Options :

1. Very Large Scale Integration
2. Village Level Systems Integration
3. Virtual Large System Information
4. Verified Large System Integration

## Solution :

The correct answer is **option 1** i.e. **Very Large Scale Integration**.

- **VLSI** stand for **Very Large Scale Integration**.
- VLSI is the process of creating an integrated circuit by combining millions of MOS transistors onto a single chip.
- It began during the 1970's when MOS integrated circuit chips were widely adopted, which enabled complex semiconductor and telecommunication technologies to be developed.

## Question 120 :

The Noble Prize in Physiology or Medicine 2016 was awarded to \_\_\_\_\_ .

Difficulty : Moderate

Average Time : 54 Seconds

## Options :

1. David J Thouless
2. Sir J Fraser Stoddart
3. Yoshinori Ohsumi
4. Bernard L.Feringa

## Solution :



The correct answer is **option 3** i.e. **Yoshinori Ohsumi**.

- **Yoshinori Ohsumi**, a Japanese cell biologist was awarded the Nobel Prize in Physiology or Medicine for his discoveries on how cells recycle their content through a process known as "Autophagy", which is a Greek term for "self-eating."
- The process he studied was critical for cells to survive and to stay healthy. The autophagy genes and the metabolic pathways he discovered in yeast are used by higher organisms, including humans. The mutations in those genes can cause diseases.
- His work led to a new field and inspired hundreds of researchers around the world to study the process and opened a new area of inquiry.

## Rrb Ntpc CBT - 2 Previous Year Question Paper Analysis

The analysis of Rrb Ntpc CBT - 2 Previous Year Question Paper held on 2022-05-13 in the Morning exam is as follows:

1. 120 questions were moderate.
2. The safe score is 78 marks.
3. 120 questions were asked from CBT-2 and 120 questions were asked from CBT-2
4. 2 questions should have been skipped if you were short of time.

## Rrb Ntpc CBT - 2 Previous Year Question Paper Topic Wise Weightage

### CBT-2

1. Quant - 1
2. GK - 1

## Rrb Ntpc CBT - 2 Previous Year Question Paper Tips and Tricks



1. Try to solve Rrb Ntpc CBT - 2 Previous Year Question Paper without taking any help from the solutions.
2. Rrb Ntpc CBT - 2 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 Rrb Ntpc CBT - 2 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 Rrb Ntpc CBT - 2 Previous Year Question Paper. She has guided her team to provide the best explanation for the question.