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 2022-05-11 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 - 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 :

Four terms are in proportion . The first , second and fourth terms are 4 , 22 , and 33 . Find the third term .

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

Options :

1. 8

2. 6

3. 11

4. 3

Solution :

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

Four terms are in proportion . The first , second and fourth terms are 4 , 22 , and 33 . Find the third term .

in the praportion we know that -

a : b :: c : d = a/b = c/d ,   ad = bc

a = 4

b = 22

c = ?

d = 33

putting values

4 × 33 = 22 × c

c = 4 × 33 / 22 = 6

Question 2 :
Four bells rings at 16,24,36,42 minute intervals . If they ring together at 6.00a.m , after how long would they next ring together ?

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

Options :
1. 842 minutes

2. 964 minutes

3. 886 minutes

4. 1008 minutes

Solution :

The correct answer is **option 4** i.e. **1008 minutes**

solutions -

Four bells rings at 16,24,36,42 minute intervals .

If they ring together at 6.00a.m ,

l.c.m of 16,24,36,42 = 1008 minutes

they next ring together after 1008 minutes.

Question 3 :
'A' invests Rs 10,000 for 3 years at a certain rate of interest . At the end of the second year , it amounts to Rs11,664 . Calculate the rate of interest per annum , if interest is compounded annually .

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

Options :
1. 7.9

2. 8.5

3. 8.7

8.0

Solution :

The correct answer is **option 4** i.e. **8.0**

'A' invests Rs 10,000 for 3 years at a certain rate of interest

At the end of the second year , it amounts to Rs11,664

amount = 11,664

principal = 10,000

n = 2 years

r% = ?

formula used

$a = p\left(1 + r/100\right)^2$

$11{,}664 = 10{,}000\left(1 + r/100\right)^2$

$11664/10000 = \{(100 + r)/100\}^2$

$(108/100)^2 = \{(100 + r)/100\}^2$

$108/100 = (100 + r)/100$

r = 8%

Question 4 :

Girish can paint a picture in 4 days when he works for 8 hours per day . Due to illness , he could work foronly 6 hours per day and was required to finish painting 7 such pictures . How many days would Girish take to finish the work ?

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

Options :

1. 28

2. 37 1/3

3. 39 2/5

4. 32

Solution :

The correct answer is **option 2** i.e.**37 1/3**

formula used -

m1 d1 h1 / w1   = m2 d2 h2 / w2

m1 = m2 = same person

so

d1 = 4 days   d2 = ?

h1 = 8 hours   h2 = 6 hours

w1 = 1 picture   w2 = 7 pictures

 d1 h1 / w1   = d2 h2 / w2

4 × 8 / 1 = d2 × 6 / 7

d2 = 112 / 3

d2 = 37 1/3

Question 5 :
Find 'X' if the below three numbers are in proportion . 2.6 , 1.3 , X

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 1.95
2. 1.83
3. 3.9
4. 0.65

Solution :

The correct answer is **option 4** i.e**. 0.65**

we know that ,

if three numbers a , b , c are in praportions -

than,

$c = b^2/a$

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$$= (1.3)^2 / 2.6 = 0.65$$

Question 6 :

If Lalitha leaves home and drives to her school at a speed of 45kmph , she reaches 5 minutes later than when she drives at 60kmph speed . Find the distance to her school (in km) .

Difficulty : Moderate　　　　　　　　　　**Average Time : 48 Seconds**

Options :

1. 18
2. 15
3. 14
4. 10

Solution :

The correct answer is **option 2** i.e. **15**

Lalitha leaves home and drives to her school at a speed of 45kmph

in both the cases distance will be same

according to question -

in frist case (d1) = 45 kmph × (t + 5)   ....(1)

in second case (d2) = 60 kmph × (t)   ....(2)

d1   =   d2

45 kmph × (t + 5) = 60 kmph × (t)

45t + 225 = 60t

15t = 225

t = 15 min = 15/60 = 1/4 hours

putting value of t in the eq 2

in second case (d2) = 60 kmph × (t)   ....(2)

d2 = 60 × 1/4 = 15 km

Question 7 :

Write 95 out of 200 as a percentage .

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

Options :

1. 42.5%

2. 47.5%

3. 45%

4. 95

Solution :

The correct answer is **option 2** i.e. **47.5%**

solution -

(95/200) ✕ 100 = 47.5%

Question 8 :
A bag contains notes of Rs 10 , Rs20 and Rs50 in the ratio 1:3:5 . If the total value of money in the bag is Rs 1920, find the number of Rs 20 notes.

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

Options :

1. 6

2. 30

3. 18

4. 12

Solution :

The correct answer is **option 3** i.e. **18**

A bag contains notes of Rs 10 , Rs20 and Rs50 in the ratio 1:3:5

let ,

the number of notes of Rs 10 = x

the number of notes of Rs 20 =3x

the number of notes of Rs 50 = 5x

. the total value of money in the bag is Rs 1920,

so,

(10 × x) + (20 × 3x) + (50 × 5x) = 1920

10x + 60x + 250x = 1920

330x = 1920

x = 5.8 = 6 (approx)

the number of notes of Rs 20 =3x = 3 × 6 = 18

Question 9 :
Solve :

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

Options :

   1. $1-\cot^2\varnothing$

   2. 2

   3. 0

   4. $\cot^2\varnothing-1$

Solution :
The correct answer is **option 4** i.e. $\cot^2\varnothing-1$

$(1 - \tan^2\varnothing) | \tan^{‥‥‥‥2}\varnothing$

$= 1 | \tan^2\varnothing - \tan^2\varnothing | \tan^2\varnothing$

$= \cot^2\varnothing - 1$

Question 10 :
A bank pays simple interest at 4% per annum on the first Rs 5500 and an interest of 6% for amounts above that . Find the interest earned by Sameera if she deposits Rs 13,250 with the bank for 2 years .

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

Options :

   1280

2. 1370

3. 840

4. 1325

Solution :

The correct answer is **option 2** i.e. **1370**

P_1 = 5500 (simple interest at 4% per annum)

P_2 = 7750 (simple interest at 6% per annum)

Formula used s.i = prt | 100

(5500 × 4 × 2 | 100) + (7750 × 6 × 2 | 100)

= 440 + 930 = 1370

Question 11 :
Given the sides of a triangle as 3.4 cm and 5.2 cm , what can be the length of the third side (x) in cm ?

Difficulty : Moderate   **Average Time : 46 Seconds**

Options :

1. 1.8

2. >8.6

3. 1.8

4. 3.4

Solution :

The correct answer is **option 1** i.e. **1.8**

we know that. The sum of any two sides of a triangle should be greater than or equal to the third number .

so

from option frist - 3.4 + 1.8 = 5.2

Question 12 :

In a general survey of 832 peoples , it was found that 624 owned a car . If a person is selected randomly , what is the probability that the person will not be an owner of a car ?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. 1.33
2. 0.25
3. 0.75
4. 0.40

Solution :

The correct answer is **option 2** i.e. **0.25**

total number of people = 832

number of people who own a car = 624

number of people who dont have car = 832 - 624 = 208

the probability that the person will not have car = 208/832 = 0.25

Question 13 :

Study the given data and answer the questions that follow : 14 (in lakh hectares) ?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. 35
2. 117
3. 113
4. 58

Solution :

The correct answer is **option 2** i.e. **117**

the number of person who cultivated land in Uttar Pradesh compared to Rajasthan in 2012 (in lakh hectares) will be = 143 - 26 = 117

Question 14 :

Study the given data and answer the questions that follow : What is the difference i

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. 135

2. 34

3. 190

4. 174

Solution :

The correct answer is **option 3** i.e. **190**

total cultivated land in all the 3 year by Maharastra (in lakh hectares) = 80 + 150 + 175 = 405

total cultivated land in all the 3 years by Madhya Pradesh (in lakh hectares) = 40 + 85 + 90 = 215

diffrence between them = 405 - 215 = 190

Question 15 :

Study the given data and answer the questions that follow : What was the percentage increaseof land under cultivation in Punjab in the year 2013 as against 2011 ?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 20

2. 16.36

3. 25.8

4. 22.33

Solution :

The correct answer is **option 1** i.e. **20**

land under cultivation in Punjab in the year of 2011 = 220

land under cultivation in Punjab in the year of 2013 = 264

increase of land under cultivation in Punjab in the year 2013 as against 2011 = 264 - 220 =44

the percentage increaseof land under cultivation in Punjab in the year 2013 as against 2011 = (44/220) × 100 = 20%

Question 16 :

Simplify : (a-1 + b-1) ÷ (a-2 - b-2)

Difficulty : Moderate   **Average Time : 47 Seconds**

Options :

1. ab / b-a

2. a+b / ab

3. ab / a-b

4. a/b

Solution :

The correct answer is **option 1** i.e. **ab / b-a**

$(a^{-1} + b^{-1}) \div (a^{-2} - b^{-2})$

$= (1/a + 1/b) \div (1/a^2 - 1/b^2)$

$= (a + b)/ab \div (b^2 - a^2)/a^2b^2$

$= (a + b)/ab \times a^2b^2/ (b^2 - a^2)$

= ab / b-a

Question 17 :

A rectangular water reservoir contains 42,000 liters of water . Find the depth of water in the reservoir , if the base measures 6m by 3.5 m

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

Options :

1. 1 m

2. 2.5 m

3. 3 m

4. 2 m

Solution :

The correct answer is option 4 i.e. 2 m

l = 6 m

b = 3.5 m

defth = find out

we know that -

the capacity of reservior = volume of reservior

capacity = 42,000 letre = 42 m^3 ....(1 m^3 = 1000 letre)

volume of reservior = l × b × h

42 = 6 × 3.5 × h

h (defth) = 42/21 = 2 m

Question 18 :

A milkman purchases 25 liters of milk from a dairy for Rs 800 and sells it at the rate of Rs 33.50 per liter .What is the profit or loss % ? (rounded off)

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

Options :

1. Profit 4.7%

2. Profit 4.8%

3. Profit 5.1%

4. Profit 5.3%

Solution :

The correct answer is option 1 i.e. Profit 4.7%

A milkman purchases 25 liters of milk from a dairy for Rs 800

c.p of one letre milk = 800/25 = Rs 32

s.p of one letre milk = 33.50

profit = 1.50

profit% = (profit / c.p) × 100

= (1.50/32) × 100 = 4.7%

Question 19 :

The LCM of two numbers is 40 times its HCF . If the product of the numbers is 1440, find their HCF.

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 6
2. 12
3. 15
4. 8

Solution :

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

l.c.m = 40x

h.c.f = x

the product of the two numbers = 1440

we know that -

h.c.f $\times$ l.c.m = frist number $\times$ second number

x $\times$ 40x = 1440

$40x^2$ = 1440

x^2 = 1440/40 = 36

x = 6

Question 20 :

'K' can do 3/4th of a work in 6 days and 'J' can do 2/5th of the same work in 4 days , How long (in days) will they take , if they work together to finish the work ?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 4â "
2. 4â œ

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4. 4 4/9

Solution :

The correct answer is option 4 i.e. 4 4/9

K can do 3|4 of the work in 6 days

Time to complete whole work = 6×4/3 = 8 days

One day work of k = 1/8

J can do 2/5 of the work in 4 days

Time to complete the whole work = 4×5/2 = 10 days

One day work of j = 1/10

One day work when they work together= 1/8 + 1/10 = 18/80

Total time when they work together = 80/18 = 40/9 = 4⁴â€‹â€‹â€‹

Question 21 :

Hira decided to pack 165 mangoes in boxes that can hold 18 each . She decided to cary only fully filled mango boxes and give away the rest . Find how many mangoes Hira will give away .

Difficulty : Moderate   Average Time : 56 Seconds

Options :

1. 7

2. 13

3. 9

4. 3

Solution :

The correct answer is option 4 i.e. 3

We know that -

Dividend = divisor × quotient + remainder

165 = 18 × 9 + 3

The number of mangoes hera will give away = 3

Question 22 :

If 2'O clock, the hands of a clock make an acute angle and a reflex angle. How much is the reflex angle (in degrees)?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. 225^0

2. 275^0

3. 300^0

4. 180^0

Solution :

The correct answer is **option 3** i.e. **300^0.**

Understanding
We know that
12 hours = 360^0
1 hour = 360 ÷ 12 = 30^0
2 hours = 60^0
At the time of 2 o clock -
The acute angle will be = 60^0
Reflex angle = 360 - 60 = 300^0
Hence, option 3 is the correct answer.

Question 23 :

If 'P; is the amount invested at 5% p.a. compounded half yearly for 2 years , what would be the amount received at the end of 2 years ?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. $P(1.25)^4$

P (1.1)

3. P (1.05)^2

4. P (1.025)^2

Solution :

The correct answer is **option 1** i.e. **P (1.025)^4**

solution -

amount = ?

r = 5 / 2 (compounded half yearly)

time = 2 × 2 = 4 years (compounded half yearly)

formula used - a = p (1 + r/100)^n

a = p (1 + 5/200)^4 = p (1 + 0.25)^4 = p (1.25)^4

Question 24 :
Find the period when simple interest on Rs 4000 at 6% per annum will be Rs 400 .

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

Options :

1. 20 months

2. 22 months

3. 14 months

4. 18 months

Solution :

The correct answer is **option 1** i.e. **20 months**

p = 4000

r% = 6%

s.i = 400

time = find out

formula used ,

s.i = prt/100

400 = 4000 × 6 × t /100

t = 400/240 = 40/24 years = 40 × 12 / 24 = 20 months

Question 25 :

A cycliest covers a distance of 14km in 25 minutes . How much distance will he cover in 18 minutes (in km) ?

Difficulty : Moderate   **Average Time : 48 Seconds**

Options :

1. 9.4

2. 9.78

3. 10.26

4. 10.08

Solution :

The correct answer is **option** 4 i.e. **10.08**

from unity method,

A cycliest covers a distance

in 25 min ....= 14 km

in 1 min ....= 14/25 km

in 18 min ....= 14 × 18/25 = 10.08

Question 26 :

A trip from Mumbai to Pune takes 4 hours 30 minutes at a speed of 60km/hr . How long (in hours) will it take to complete , if the speed is 15m/sec ?

Difficulty : Moderate   **Average Time : 46 Seconds**

Options :

1. 3¾

2. 5

4 â "

4. 4

Solution :

The correct answer is **option 2** i.e. **5**

A trip from Mumbai to Pune takes 4 hours 30 minutes at a speed of 60km/hr

time = 4 hours 30 minutes = 4 + 1/2 = 9/2 = 4.5 hours

distance = speed × time = 60 × 4.5 = 270 km = 270000 m

speed in m/s = 15 m/s

time = distance / speed

time to complete the distance = 270000/15 = 1800 second

time in hours = 18000/3600 = 5 hours .... (1 h = 3600 s)

Question 27 :
Solve : (3.2 × 104) ÷ (2 × 105)

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

Options :

1. $16/10^2$

2. 0.016

3. 1.6

4. 1.06

Solution :

The correct answer is **option 1** i.e. **$16/10^2$**

$(3.2 × 10^4) ÷ (2 × 10^5)$

(3.2 × 10000) / (2 × 100000)

$3.2/20 = 16/100 = 16/10^2$

Question 28 :

Atrade purchased 132 dozens of mangoes at Rs 475 per dozen and could sell only 125 dozens at Rs 530 per dozen .What is the value of stock of mangoes in hand (in rupees) ?

Difficulty : Moderate   **Average Time : 45 Seconds**

Options :

1. 3325
2. 4250
3. 3710
4. 4620

Solution :

The correct answer is **option 1** i.e. **3325**

A trade purchased 132 dozens of mangoes at Rs 475 per dozen

the seller sell only 125 dozens at Rs 530 per dozen

remains the quantity of mangoes 132 - 125 = 7 dozen

the value of stock of mangoes in hand (in rupees) = 7 × 475 = 3325

Question 29 :
The ratio between the length and breadth of a rectangle board is 7:5 . If the breadth of the board is 20.5 cm , find the length in cm .

Difficulty : Moderate   **Average Time : 48 Seconds**

Options :

1. 19.9
2. 24.3
3. 28.7
4. 14.6

Solution :

The correct answer is **option 3** i.e. **28.7**

The ratio between the length and breadth of a rectangle board is 7:5

let,

lenth = 7x

breath = 5x

according to question

5x = 20.5

x = 20.5/5 = 4.1

x = 4.1

length = 7x = 7 × 4.1 = 28.7

Question 30 :
Jeeva purchased an article for Rs 2500 and sold it at 25% above cost and paid a tax of Rs 125 . Find the post - tax profit in rupees .

Difficulty : Moderate   **Average Time : 48 Seconds**

Options :
1. 500
2. 550
3. 475
4. 625

Solution :

The correct answer is **option 1** i.e. **500**

Jeeva purchased an article for Rs 2500

c.p = 2500

s.p = 25% above of cp = means 125% of 2500 = 3125

tax paid = 125

new s.p after paying tax = 3125 - 125 = 3000

profit = 3000 - 2500 = 500

Question 31 :
In a class of 60 students , 60% are boys . If 25% of the girls come to school by bycycle , find the number of girls who don,t come cycle to school ?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 24
2. 27
3. 18
4. 36

Solution :

The correct answer is **option 3** i.e.**18**

total student = 60

the number of boys = 60% of 60 = 36

the number of girls = 60 - 36 = 24

the girls come to school by bycycle = 25% of 24 = 6

the number of girls who don,t come cycle to school = 24 - 6 = 18

Question 32 :
Solve : =

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 3.44
2. 3.05
3. 2.95
4. 3.50

Solution :

The correct answer is option 4 i.e. 3.50

(1.13 + 5.884)/2.004

7.014 / 2.004

3.5

Question 33 :

160 cycles were sold for Rs 524,000 resulting in a loss of 10% . What was the cost price of a cycle (in Rs) ?(rounded off to the nearest rupee)

Difficulty : Moderate

Average Time : 37 Seconds

Options :

1. 3275

2. 3639

3. 4321

4. 4763

Solution :

The correct answer is option 2 i.e. 3639

160 cycles sold for Rs 524,000

S.p of one cycle = 524000/160 = 3275

Loss% = 10%

C.p of one cycle = x

S.p = c.p - loss

3275 = x - 10% of x

3275 = x - x/10

3275 = 9x / 10

X = 32750 / 9 = 3639

Question 34 :

10% of a product's cost price is Rs 1245.80 . What would be the selling price if the product is sold at a loss of 15% ? (rounded off to the nearest rupee)

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 12,458

2. 10,589

14,327

4. 14,657

Solution :

The correct answer is **option 2** i.e. **10,589**

10% of a product's cost price is Rs 1245.80 .

so

c.p = 1245.80 × 100 / 10 = 12458

loss% = 15%

s.p = c.p - 15% of c.p

s.p = 12458 - 12458 × 15/100 = 10,589

Question 35 :
If a dozen apples weight 1.8 kg in total , how many apples will be there in 3 boxes weighing 23.250kg each ?

Difficulty : Moderate   **Average Time : 46 Seconds**

Options :

1. 280

2. 155

3. 465

4. 215

Solution :

The correct answer is **option 3** i.e. **465**

If a dozen apples weight 1.8 kg in total

one apple = 1.8/12 = 0.15 kg

according to question -

 there are 3 boxes weighing 23.250kg each

total weight = 23.250 × 3 = 69.75 kg

total number of apples in 3 boxes = 69.75/0.15 = 465

Question 36 :
Complete the alphabetical series choosing the most appropriate option given below. U, O, ?, E, A

Difficulty : Moderate   **Average Time : 46 Seconds**

Options :

1. B

2. T

3. C

4. I

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

Understanding
Given series: U, O, ?, E, A
The logic used here is:
The alphabetical series is in the reverse order of vowels.
The missing term in the series is **I.**
Hence, option 4 is the correct answer.

Question 37 :
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: 1. All dogs are cats. 2. No cats are rats. Conclusions: I. All rats are dogs. II. Some dogs are rats.

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

Options :

1. Both I ans II follow.

2. Only I follows

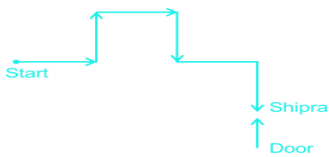Neither I nor II follows .

4. Only II follows

Solution :

The correct answer is **option 3** i.e. **Neither I nor II follows.**

Understanding
The least possible Venn diagram is shown below:
Conclusions:
I. All rats are dogs: **False (It is possible but not definite)**
II. Some dogs are rats: **False (It is possible but not definite)**

Question 38 :

Comprehension: A family has the following people and their relationships are mentioned. Read the data carefully and answer the questions that follow : 'A' is 'B' 's sister. 'C' is 'D' 's brother. 'E' is 'F' 's father. 'G' is 'H''s mother. 'F' is 'D''s sister. 'C' is 'G''s son. 'B' is 'C''s daughter. 'C' is married to 'J'. How is 'D' related to 'B'?

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. Parernal uncle

2. Paternal aunt

3. Brother

4. Cannot be determined

Solution :

The correct answer is **option 4** i.e. **Cannot be determined.**

Understanding	Application
In the diagram shown; 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. Start → Shipra → Door	Thus considering the figure, the relation between B and D cannot be determined. Considering all the four options the most appropriate is option 4.

Question 39 :

Comprehension: A family has the following people and their relationships are mentioned. Read the data carefully and answer the questions that follow : 'A' is 'B' 's sister. 'C' is 'D' 's brother. 'E' is 'F' 's father. 'G' is 'H''s mother. 'F' is 'D''s sister. 'C' is 'G''s son. 'B' is 'C''s daughter. 'C' is married to 'J'. How many female members are there in the family?

Difficulty : Moderate

Average Time : 79 Seconds

Options :

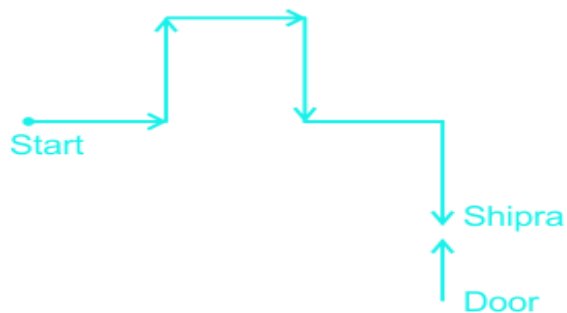1. Minimum 5

2. 5

3. 6

4. Maximum 6

Solution :

The correct answer is **option 1** i.e. **Minimum 5.**

Understanding	Application

In the diagram shown;

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.

Thus considering the figure, there are 5 female members in the family.

Considering all the four options the most appropriate is option 1.

Question 40 :

Comprehension: A family has the following people and their relationships are mentioned. Read the data carefully and answer the questions that follow : 'A' is 'B' 's sister. 'C' is 'D' 's brother. 'E' is 'F' 's father. 'G' is 'H''s mother. 'F' is 'D''s sister. 'C' is 'G''s son. 'B' is 'C''s daughter. 'C' is married to 'J'. How is 'B' related to 'E'?

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. Grandson

2. Daughter

3. Granddaughter

4. Son

Solution :

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

Understanding	Application

In the diagram shown;

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.

Thus considering the figure, B is the granddaughter of E.

Considering all the four options the most appropriate is option 3.

Question 41 :

In a certain code if AKBAR is written as CMDCT, how will Jodha be written?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. LMGJX

2. LQFJC

3. HMBFX

4. WBQUN

Solution :

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

Understanding	Application

The logic used here is: AKBAR is written as CMDCT A + 2 = C K + 2 = M B + 2 = D A + 2 = C R + 2 = T	Similarly, **Code for the word JODHA:** **J + 2 = L** **O + 2 = Q** **D + 2 = F** **H + 2 = J** **A + 2 = C** Hence, **option 2** is the correct answer.

Question 42 :

Comprehension: In a class of 55 students, 40 like science and 29 likes mathematics. If each student likes at least one subject, answer the following questions. How many likes only Science?

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. 29

2. 15

3. 26

4. 19

Solution :

The correct answer is **option 3** i.e. **26.**

Understanding

Total number of persons = 55

Number of persons who like science = 40

Number of persons who like mathematics = 29

From the formula;

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

Number of students who like both science and mathematics = $n(A \cap B)$ = (40 + 29) - 55 = 14

Number of students who like only science = 40 - 14 = 26

Question 43 :

Comprehension: In a class of 55 students, 40 like science and 29 likes mathematics. If each student likes at least one subject, answer the following questions. How many like both Science and Mathematics?

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

Options :

1. 15

2. 14

3. 13

4. 12

Solution :

The correct answer is **option 2** i.e. **14.**

Understanding

Total number of persons = 55

Number of persons who like science = 40

Number of persons who like mathematics = 29

From the formula;

n(A B) = n(A) + n(B) - n(A B)

Number of students who like both science and mathematics = n(A B) = (40 + 29) - 55 = 14

Question 44 :

Inch: Foot:: Meter:?

Difficulty : Moderate　　　　　　　　　　　　　　**Average Time : 49 Seconds**

Options :

1. Kilometer

2. Distance

3. Centimeter

4. Kilogram

Solution :

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

Understanding	Application
The logic used here is: Inch: Foot 12 inches make one foot	Similarly, **Meter:?** **1000 meters makes one kilometer.** Hence, **option 1** is the correct answer.

Question 45 :

Find the number which does NOT belong to the group: 101, 242, 363, 484

Difficulty : Moderate

Options :

1. 242
2. 484
3. 363
4. 101

Solution :

The correct answer is **option 4** i.e. **101.**

Understanding
Given series: 101, 242, 363, 484
The logic used here is:
101: 1 - 1 = 0
242: 2 + 2 = 4
363: 3 + 3 = 6
484: 4 + 4 = 8
The odd term in the series is **101.**
Hence, option 4 is the correct answer.

Question 46 :

If '*' represents 12, '@' represents 48, '$' represents 24, and '!' represents 6, then what mathematical equation below will be equal to 90?

Difficulty : Moderate

Options :

1. *+$÷@-!
2. *÷!+$×@
3. $÷*×@-!
4. $×@-!×*

Solution :

The correct answer is **option 3** i.e. **$\div*\times@-!.**

Understanding
Given conditions: '*' represents 12, '@' represents 48, '$' represents 24, and '!' represents 6
Check all the options:
Option 1: *+$÷@-!
After replacement the equation becomes;
= 12 + 24 ÷ 48 - 6
= 6.5 is not equal to 90.
Hence, **option 1** is not the correct answer.
Option 2: *÷!+$×@
After replacement the equation becomes;
= 12 ÷ 6 + 24 × 48
= 1154 is not equal to 90.
Hence, **option 2** is not the correct answer.
Option 3: $÷*×@-!
After replacement the equation becomes;
= 24 ÷ 12 × 48 - 6
= 90 is equal to 90.
Hence, option 3 is the correct answer.

> **Option 4: $×@-!×*$**
>
> After replacement the equation becomes;
>
> $= 24 × 48 - 6 × 12$
>
> $= 1080$ is not equal to 90.
>
> Hence, **option 4** is not the correct answer.

Question 47 :
Rearrange the jumbled letters to make a meaningful English word and then select the word which is different from the rest.

Difficulty : Moderate   **Average Time : 93 Seconds**

Options :
1. OHOT
2. ETRE
3. OTOR
4. DESE

Solution :
The correct answer is **option 1** i.e. **OHOT.**

Understanding
Arrange the jumbled letters to make a meaningful English word and then select the word which is different from the rest.
Option 1. OHOT HOOT
Option 2. ETRE TREE
Option 3. OTOR   ROOT
Option 4. DESE SEED
Tree, Root, and Seed are related to a plant except for hoot.
Hence, **OHOT is the odd one out.**

Question 48 :

Shipra set out to her grandmother's home. She leaves her house and first took a left turn. Then she took a right turn and a right and a left and a right and was standing in front of her grandmother's door entrance. If Shipra's house is facing East, what is direction is her grandmother's home facing?

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. East

2. West

3. South

4. North

Solution :

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

Understanding
According to the question, the figure is as follows: From the above figure, we can say that if Shipra's house is facing East, then her grandmother's home is facing North. Hence, **option 4** is the correct answer.
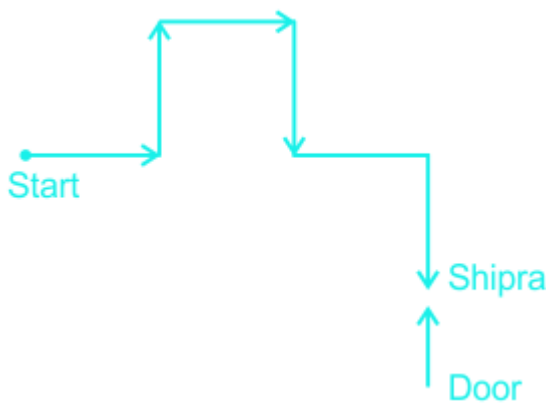
Question 49 :
What series of alphabet place values will be proper to write the world LOAN?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 13,16,1,12

2. 12,14,1,15

3. 12,15,1,14

4. 21,12,2,18

Solution :

The correct answer is **option 3** i.e. **12,15,1,14.**

Understanding	Application
The logic used here is: Replace each letter with its positional value in the English alphabetical series.	Similarly, **Code for the word LOAN:** **L 12** **O 15** **A 1** **N 14** Hence, **option 3** is the correct answer.

Question 50 :

If 2'O clock, the hands of a clock make an acute angle and a reflex angle. How much is the reflex angle (in degrees)?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 225⁰

2. 275⁰

3. 300⁰

180⁰

Solution :

The correct answer is **option 3** i.e. **300⁰.**

Understanding
We know that
12 hours = 360⁰
1 hour = 360 ÷ 12 = 30⁰
2 hours = 60⁰
At the time of 2 o clock -
The acute angle will be = 60⁰
Reflex angle = 360 - 60 = 300⁰
Hence, option 3 is the correct answer.

Question 51 :

Select the correct combination of mathematical signs from the options given to replace # signs and get a balanced equation. 24 # 8 # 4 # 10 # 2

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. - ÷ + =

2. + = + -

3. = × - +

4. + × = +

Solution :

The correct answer is **option 3** i.e. **= × - +.**

Understanding

Given Equation: 24 # 8 # 4 # 10 # 2

Check all the options:

Option 1: - ÷ + =

After replacement the equation becomes;

= 24 - 8 ÷ 4 + 10

= 32 is not equal to 2.

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

Option 2: + = + -

After replacement the equation becomes;

= 24 + 8 = 4 + 10 - 2

LHS is not equal to RHS.

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

Option 3: = × - +

After replacement the equation becomes;

= 24 = 8 × 4 - 10 + 2

LHS = RHS

Hence, option 3 is the correct answer.

Option 4: + × = +

After replacement the equation becomes;

= 24 + 8 × 4 = 10 + 2

LHS is not equal to RHS.

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

Question 52 :

Look at the below pattern and complete the series : 11, 15, 22, 26, 33, 37, 44,?

Difficulty : Moderate

Average Time : 88 Seconds

Options :

1. 45
2. 50
3. 55
4. 48

Solution :

The correct answer is **option 4** i.e. **48.**

Understanding
Given series: 11, 15, 22, 26, 33, 37, 44,?
The logic used here is:
11 + 4 = 15
15 + 7 = 22
22 + 4 = 26
26 + 7 = 33
33 + 4 = 37
37 + 7 = 44
44 + 4 = 48
The next term in the series is **48.**
Hence, option 4 is the correct answer.

Question 53 :

For a trophy, 16 teams participate, number 1-16 according to their rankings. In the qualifier matches, the teams face their immediate next lower ranked team e.g. team 1 plays team -2 team -3 plays team -4 and so on. It has been observed that the lower-ranked team always wins. Which two teams might play a semi-final match?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

Team-12 and Team-16

2. Team-7 and Team-8

3. Team-2 and Team-4

4. Team-8 and Team-16

Solution :

The correct answer is **option 1** i.e. **Team-12** and **Team-16.**

Understanding
Matches that are played:
1 vs 2, 2 vs 3, ..., 15 vs 16.
It is given that the lower-ranked team always wins.
Ex: In 1 vs 2 match, 2 wins.
So, 2, 4, 6, 8, 10, 12, 14 and 16 win.
Again matches are played between them.
2 vs 4, 6 vs 8, 10 vs 12, 14 vs 16.
The lower-ranked team wins.
So, 4, 8, 12, and 16 wins.
So, the semi-final is played between 4 and 8, 12 and 16.
Hence, **option 1** is the correct answer.

Question 54 :
What would be 10 + 3 - 6, if '+' becomes '-' and '-' becomes '×'?

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

Options :

1. 42

2. -8

8

4. 78

Solution :

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

Understanding
Given Equation: 10 + 3 - 6
Given condition: '+' becomes '-' and '-' becomes '×'
After replacement the equation becomes;
= 10 - 3 × 6
= -8
Hence, option 2 is the correct answer.

Question 55 :

Based on the scenario given, choose the decision from the options which would be most suitable. Research shows that playing outdoors improves the overall health of kids. Nowadays kids do not find time to play outdoors. Parents should ....

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. encourage indoor games.

2. not send the kids to school.

3. make playing outdoors compulsory.

4. re-schedule their office hours so they get more time to play with the kids.

Solution :

The correct answer is **option 3** i.e. **make playing outdoors compulsory.**

Understanding

It's saying that research shows that playing outdoors improves the overall health of kids. and at present time they do not find time to play outdoors.

So, parents should make playing outdoors compulsory.

By doing this the overall health of the kid is improved.

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

Question 56 :

Find the odd one out: School, Principal, Teacher, Student.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. School

2. Teacher

3. Student

4. Principal

Solution :

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

Understanding
Principal, Teacher and Student are member of school. They all are living things.
Whereas,. School is an institution, which is non living thing.
Hence, **option 1** is the odd one out.

Question 57 :

Based on the scenario given, choose the decision from the options which would be the most suitable. For a first-time offense by an employee at the factory, the manager can either dismiss the employee, impose a large fine or give a written warning. J, the accountant misappropriated an amount of Rs 1200. This was J's first Offence. What should his manager

do?

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. Terminate J from his job.

2. Impose a fine of Rs 5 on J

3. Call for a meeting and congratulate his behavior.

4. Call J over the phone and warn him.

Solution :

The correct answer is **option 1** i.e. **Terminate J from his job.**

Understanding
For a first-time offense the consequences are:
1. The manager can either dismiss the employee0
2. Impose a large fine
3. Give a written warning
J the accountant misappropriated an amount of Rs 1200. So, according to the conditions J will be terminated from his job.
Hence, **option 1** is the correct answer.

Question 58 :
If 2 is denoted by '[', 4 is denoted by '=', 9 is denoted by '-' and 0 is denoted by '+', what is '=[-+'?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. 4290

2. 4092

3. 4209

9204

Solution :

The correct answer is **option 1** i.e. **4290.**

Understanding
Given: =[-+
Given conditions: 2 [; 4 =; 9 -; 0 +
After replacement =[-+;
It is 4290.
Hence, option 1 is the correct answer.

Question 59 :

A question and three statements labeled (I) (II) and (III) are given. You have to decide Which statement(s) is/are sufficient to answer the question . What is Surya's age? I. Surya and his sister are the only children in Ramesh's home. II. Surya's sister is elder to him by 5 years. III. Surya's sister just turned 15 this year.

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. Both II and III are sufficient

2. I, II, III together are needed.

3. Given data is insufficient

4. II alone is sufficient

Solution :

The correct answer is **option 1** i.e. **Both II and III are sufficient.**

Understanding

From I, we can say that there are two children in Ramesh's home and we cannot say anything about their ages.

From II, it is possible to find Surya's age then, we need to have the age of his sister.

From III, from this statement, we can say that Surya's sister's age = 15years.

So, from II and III, we can say that Surya's age = 15 - 5 = 10 years.

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

Question 60 :

Hard: Stone:: Soft:?

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

Options :

1. Feather

2. Shine

3. Moon

4. Sand

Solution :

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

Understanding	Application
The logic used here is: Hard: Stone Stone is Hard.	Similarly, **Soft:?** **Feather is soft.** Hence, **option 1** is the correct answer.

Question 61 :

If & means '+' , $ means '-' , # means '÷' and % means '×'; , then the value of 8 % 2 & 11 $ 24 & 24 # 6

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. -1

2. 4.5

3. 92

4. 7

Solution :

The correct answer is **option 4** i.e. **7.**

Understanding
Given Equation: 8 % 2 & 11 $ 24 & 24 # 6
Given conditions:
If & means '+' , $ means '-' , # means '÷' and % means '×'
After replacement the equation becomes;
= 8 × 2 + 11 - 24 + 24 ÷ 6
= 8 × 2 + 11 - 24 + 4
= 16 + 11 - 24 + 4
= 27 - 24 + 4
= 7
Hence, option 4 is the correct answer.

Question 62 :

What will be the next term in the series? I, V, X, L, C, D,?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. XD

2. CD

LX

4. M

Solution :

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

Understanding
Given series: I, V, X, L, C, D,?
The logic used here is:
I=1
V=5
X=10
L=50
C=100
D=500
M=1000
It is represented in Roman Letters.
The next term in the series is **M.**
Hence, option 4 is the correct answer.

Question 63 :
Book: Author:: Furniture:?

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

Options :

1. Tools

2. Woodcutter

3. Wood

4. Carpenter

Solution :

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

Understanding	Application
The logic used here is: Book: Author The book is written by an author.	Similarly, **Furniture:?** **The furniture is made by a carpenter.** Hence, **option 4** is the correct answer.

Question 64 :

Rama is taller than Geetha. Vimala is taller than Rama but shorter than Meenu. Bindu is taller than Geetha but shorter than Rama. Who among the given people is the shortest?

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

Options :

1. Rama

2. Bindu

3. Vimala

4. Geetha

Solution :

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

Understanding
According to the question, the arrangement is as follows: Meenu > Vimala > Rama > Bindu > Geetha From the above arrangement, Geetha is the shortest. Hence, **option 4** is the correct answer.

Question 65 :

What will be the next number in the series? 2,5,11,23,47,?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 95
2. 94
3. 48
4. 74

Solution :

The correct answer is **option 1** i.e. **95.**

Understanding
Given series: 2,5,11,23,47,?
The logic used here is:
2 × 2 + 1 = 5
5 × 2 + 1 = 11
11 × 2 + 1 = 23
23 × 2 + 1 = 47
47 × 2 + 1 = 95
The next term in the series is **95.**
Hence, option 1 is the correct answer.

Question 66 :

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: 1. Use of electronic book reading has increased considerably during recent times. 2. Printed books are costly. Conclusions: I. Nobody reads books nowadays. II. Electronic book reading is gaining popularity.

Difficulty : Moderate

Average Time : 71 Seconds

Options :

Neither I nor II follows

2. Only II follows

3. Only I follows

4. Both I and II follow

Solution :

The correct answer is **option 2** i.e. **Only II follows.**

Understanding
The statement talks about the increase in usage of electronic books and printed books are costly.
From conclusion 1 In the statement, it is not mentioned whether nowadays anyone prefers to read books or not. Hence, it does not follow.
From conclusion 2 Yes, it can be concluded from the statements. Hence, conclusion II follows.

Question 67 :

A, B, C, D, E, F, G and H are sitting around a circular table facing towards the centre. H is on the immediate left of A but is not neighbour of D or E. F is on the immediate right of B. C is between E and F, G is neighbour of E. Who is between A and B?

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. D

2. G

3. F

4. H

Solution :

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

Understanding
The diagram according to the question is:
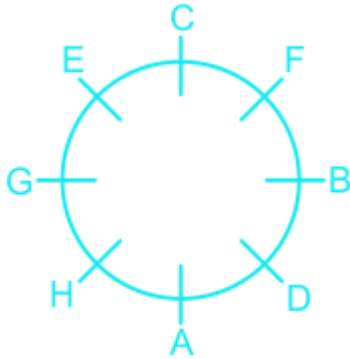
Thus, the person between A and B is **D**.

Question 68 :

Farhan's age is twice Sohan's age. Four years ago, Farhan's age was four times Sohan's age. What will Farhan's age be after 5 years?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 17

2. 20

3. 15

4. 18

Solution :

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

Understanding

Let Farhan's present age be F and Sohan's present age be S.

Thus, F = 2S

(F - 4) = 4 (S - 4)

2S - 4 = 4S - 16

S = 6

Thus, Sohan's present age is 6 years.

Therefore, Farhan's present age will be (6 x 2) = 12 years

Hence, Farhan's age after five years = 12 + 5 = 17 years.

Question 69 :

A statement is given followed by two inferences I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given inferences, if any, follow from the given statement. Statement: The government has decided to pay compensation of Rs 2 lakhs to the family members of doctors who lost their lives during COVID. Inference: I. The government has enough funds to meet the expenses of compensation. II. Public healthcare providers families were able to get benefit from this.

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. Only inference I follows

2. Only inference II follows

3. Both the inferences follow

4. None of the inferences follows

Solution :

The correct answer is **option 2** i.e. **Only inference II follows.**

Understanding

Inference I: The statement has no reference to whether or not the government has enough funds or not. Thus, this inference does not follow.

Inference II: We can infer that the families of the Public healthcare providers were able to get benefits as many of them succumbed to death while treating other patients. Thus inference II follows.

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

Question 70 :

In each question below is given a statement followed by two assumptions numbered I and II. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement. Statement: "Computer education should start at schools itself. Assumptions: I. Computer education fetches job easily. II. Learning computer is easy.

Difficulty : Moderate   **Average Time : 73 Seconds**

Options :

1. If only assumption I is implicit

2. If only assumption II is implicit

3. If either I or II is implicit

4. If neither I nor II is implicit

Solution :

The correct answer is **option 2** i.e. **If only assumption II is implicit.**

Understanding

The statement talks about computer education in schools.

Assumption I: In the statement, nothing is mentioned about the link between a job and computer education. So, II is not implicit.

Assumption II: Computer education can be started at the school level only if it is easy. Hence, I is implicit.

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

Question 71 :

What is the method of taxing wherein there is an increase in the tax rate as the taxable amount increases?

Difficulty : Moderate   Average Time : 65 Seconds

Options :

1. Aggressive tax

2. Digressive tax

3. Progressive tax

4. Regressive tax

Solution :

The correct answer is **option 3** i.e. **Progressive tax.**

- A progressive tax is a method of taxing wherein there is an increase in the tax rate as the taxable amount increases.
- It is the tax rate that progresses from low to high, with the result that a taxpayer's average tax rate is less than the person's marginal tax rate.

Question 72 :

Which of the following received the World Heritage tag by UNESCO in 2016?

Difficulty : Moderate   Average Time : 51 Seconds

Options :

1. Mountain Railways of India

2. Western Ghats

3. Khangchendzonga National Park

4. Chhatrapati Shivaji Terminus , Mumbai

Solution :

The correct answer is **option 3** i.e. **Khangchendzonga National Park.**

- Khangchendzonga National Park received the World Heritage tag by UNESCO in 2016.
- It is the first "Mixed Heritage" site of India.

Question 73 :

From when is the proposed merger of our Railway budget with the General budget supposed to take place?

Difficulty : Moderate   **Average Time : 46 Seconds**

Options :

1. 2017-18

2. Not approved yet

3. 2016-17

4. 2018-19

Solution :

The correct answer is **option 1** i.e. **2017-18.**

- From 2017-18 proposed merger of our Railway budget with the General budget was supposed to take place.
- It was based on the recommendations of the committee chaired by Member of NITI Aayog.

Question 74 :

Who was the President of the 'Independence for Indian League' formed in 1928?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Rash Behari Bose

2. Jawaharlal Nehru

3. Srinivasa Iyengar

4. Subhas Chandra Bose

Solution :

The correct answer is **option 3** i.e. **Srinivasa Iyengar.**

- Srinivasa Iyengar was the President of the 'Independence for Indian League' formed in 1928.
- It was an England-based organization that campaigned for the full independence and self-governance of India.

Question 75 :

The Kailasanathar temple at Kanchipuram was built during the rule of:

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Pandyas

2. Cholas

3. Pallavas

4. Cheras

Solution :

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

- The Kailasanathar temple at Kanchipuram was built during the rule of Pallavas.
- It is dedicated to Shiva.
- It is the first structural temple built in South India by Narasimhavarman II.

Question 76 :

GPS stands for:

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. Global Prime System

2. Global Peace Summit

3. Global Postal System

4. Global Positioning System

Solution :

The correct answer is **option 4** i.e. **Global Positioning System.**

- GPS stands for Global Positioning System.
- It is a space-based radio-navigation system consisting of a constellation of satellites broadcasting navigation signals and a network of ground stations and satellite control stations used for monitoring and control.

Question 77 :

Unicode provides:

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Uniform code for checking all computer programs

Unique code to denote every computer company

3. Codes for English language characters

4. Unique code for every character of every language

Solution :

The correct answer is **option 4** i.e. **Unique code for every character of every language.**

- Unicode provides Unique code for every character of every language.
- It is a character set projected to represent the writing schemes of all of the world's major languages.

Question 78 :

In which year was Goa given the option of merging with the state of Maharashtra?

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

Options :

1. 1963

2. 1967

3. 1959

4. 1958

Solution :

The correct answer is **option 2** i.e. **1967.**

- In1967 Goa was given the option of merging with the state of Maharashtra.
- Goa became a state on 30 May 1987.

Question 79 :

Which State in India was the largest sugarcane producer (2015 - 16)?

Difficulty : Moderate   **Average Time : 39 Seconds**

Options :

Uttar Pradesh

2. Karnataka

3. Maharashtra

4. Tamil Nadu

Solution :

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

- Uttar-Pradesh was the largest sugarcane producer (2015 - 16).
- It is estimated to have a sugarcane area at 23.60 lakh hectares.

Question 80 :

Who patented the three-position traffic signal in 1923?

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

Options :

1. Garrett Morgan

2. J. P. Knight

3. George Eastman

4. Robert Adler

Solution :

The correct answer is **option 1** i.e. **Garrett Morgana.**

- Garrett Morgan patented the three-position traffic signal in 1923.

Question 81 :

Who was the owner of 'Gujarat Lions' in IPL 2016?

Difficulty : Moderate   **Average Time : 38 Seconds**

Options :

Keshav Bansal

2. Jay Mehta

3. Suresh Raina

4. Subrato Roy

Solution :

The correct answer is **option 1** i.e. **Keshav Bansal.**

- Keshav Bansal was the owner of 'Gujarat Lions' in IPL 2016.
- It was a franchise cricket team based in the city of Rajkot.

Question 82 :

What is the minimum age qualification to become Chief Minister of any State in India?

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

Options :

1. 25

2. 28

3. 24

4. 21

Solution :

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

- The minimum age qualification to become Chief Minister of any State in India is 25.

Question 83 :

How many chambers are present in the heart of a fish?

Difficulty : Moderate   **Average Time : 37 Seconds**

Options :

   One

2. Three

3. Four

4. Two

Solution :

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

- Two chambers are present in the heart of a fish.
- The two chambers are:

1. Atrium
2. Ventricle

Question 84 :

In ancient times, what was Awadh (Oudh) known as?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Kosala

2. Kapilavastu

3. Kaushambi

4. Kashi

Solution :

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

- In ancient times, Awadh (Oudh) was known as Kosala.
- It lies in the state of Uttar Pradesh.

Question 85 :

The process of converting wet waste to manure is called:

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. Incineration

2. Conservation

3. Metabolism

4. Composting

Solution :

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

- The process of converting wet waste to manure is called composting.
- It is the natural process of recycling organic matter, such as leaves and food scraps, into a valuable fertilizer that can enrich soil and plants.

Question 86 :

Which of the following pollutants in water causes 'Minamata' disease?

Difficulty : Moderate   **Average Time : 45 Seconds**

Options :

1. Salmonella

2. Methyl Mercury

3. Lead

4. Perchlorate

Solution :

The correct answer is **option 2** i.e. **Methyl Mercury.**

- Methyl Mercury in water causes 'Minamata' disease.
- It is a toxic neuropathy caused by the ingestion of methylmercury.

Question 87 :

Which among the below set of colors are generally known as the primary colors of light?

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. White, Yellow, Blue

2. Red, Green, Blue

3. Red, Green, Black

4. Black, White, Red

Solution :

The correct answer is **option 2** i.e. **Red, Green, Blue.**

- Red, Green, and Blue sets of colors are generally known as the primary colors of light.
- A set of primary colors consists of colorants or colored lights that can be mixed in varying amounts to produce a gamut of colors.

Question 88 :

Who was awarded the first United States patent in 1846 for the modified version of the sewing machine?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Elias Howe

2. Alessandra Volta

3. Ernest Rutherford

4. John Napier

Solution :

The correct answer is **option 1** i.e. **Elias Howe.**

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- Elias Howe was awarded the first United States patent in 1846 for the modified version of the sewing machine.

Question 89 :

Which Strait divides India and Sri Lanka?

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

Options :

1. Nemuro Strait

2. Bass Strait

3. Duncan Passage

4. Palk Strait

Solution :

The correct answer is **option 4** i.e. **Palk Strait.**

- Palk Strait divides India and Sri Lanka.
- It is a strait between the Tamil Nadu state of India and the Jaffna District of the Northern Province of the island nation of Sri Lanka.

Question 90 :

Who is the principal regulatory authority for the stock market in India?

Difficulty : Moderate   **Average Time : 46 Seconds**

Options :

1. Rbi (Reserve Bank of India)

2. Supreme Court

3. SEBI (Securities and Exchange Board of India)

4. Finance Ministery

Solution :

The correct answer is **option 3** i.e. **SEBI (Securities and Exchange Board of India).**

- The Securities and Exchange Board of India (SEBI) is the regulatory authority established under the SEBI Act 1992.
- It is the principal regulator for Stock Exchanges in India.
- Its primary functions include protecting investor interests, promoting and regulating the Indian securities markets.

Question 91 :

'Great Bear' is the name of a:

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

Options :

1. Galaxy

2. Moon

3. Constellation

4. Star

Solution :

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

- 'Great Bear' or 'Ursa Major' is the name of a constellation.

Question 92 :

What is the program that translates source code into object code called?

Difficulty : Moderate   **Average Time : 38 Seconds**

Options :

1. Executor

2. Compiler

3. Translator

Interpreter

Solution :

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

- A compiler is a program that translates source code into object code.

Question 93 :

Bengal Sati Regulation, 1829 was brought out by which Governor-General?

Difficulty : Moderate

Average Time : 38 Seconds

Options :

1. Edward Law

2. Lord William Bentinck

3. Sir Henry Hardinge

4. William Butterworth Bayley

Solution :

The correct answer is **option 2** i.e. **Lord William Bentinck.**

- Bengal Sati Regulation, 1829 was brought out by Governor-General Lord William Bentinck.
- It was first major social reform legislation enacted by the British in India.

Question 94 :

Which women's doubles pair won the '2015 China Open' tennis tournament?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Casey Dellacqua/Yoraslava Shvedova

2. Martina Hingis/Sania Mirza

Bethanie Mattek - Sands/Elena Vesnina

4. Chan Hao - ching/Chan Yung - jan

Solution :

The correct answer is **option 2** i.e. **Martina Hingis/Sania Mirza.**

- Martina Hingis/Sania Mirza women's doubles pair won the '2015 China Open' tennis tournament.
- In the final match they defeated Chinese pair Hao-ching and Chan Yung-jan.

Question 95 :

Which among the following converts chemical energy to electrical energy?

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

Options :

1. Motor

2. Dynamo

3. Battery

4. Generator

Solution :

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

- A battery converts chemical energy to electrical energy.

Question 96 :

What is used to identify users who come back to a webpage?

Difficulty : Moderate   **Average Time : 37 Seconds**

Options :

1. Cookies

Username

3. Cache

4. Password

Solution :

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

- A cookie is used to identify users who come back to a webpage.
- They are small blocks of data created by a web server while a user is browsing a website and placed on the user's computer or other device by the user's web browser.

Question 97 :

What does RAW stand for?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Regional Aviation Wing

2. Research and Analysis Wing

3. Royal Agency of Warsaw

4. Read After Writing

Solution :

The correct answer is **option 2** i.e. **Research and Analysis Wing.**

- The Research and Analysis Wing (RAW) is the primary foreign intelligence agency of India.

Question 98 :

Production of silk originated in:

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Egypt
2. China
3. Japan
4. India

Solution :

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

- Production of silk originated in China.
- It originated in Neolithic period China within the Yangshao culture.

Question 99 :

Which of the following organisms releases molecular oxygen into the water?

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

Options :

1. E .coli
2. Amoeba
3. Salmonella enterica
4. Phytoplankton

Solution :

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

- Phytoplankton releases molecular oxygen into the water.
- They are microscopic marine algae.

Question 100 :

Where was the International Sand Art Festival, 2015 held?

Difficulty : Moderate   **Average Time : 39 Seconds**

Options :

Rushikonda beach, Andhra Pradesh

2. Chandrabhaga beach, Odisha

3. Digha beach, West Bengal

4. Karwar beach, Karnataka

Solution :

The correct answer is **option 2** i.e. **Chandrabhaga beach, Odisha.**

- The International Sand Art Festival, 2015 was held at Chandrabhaga beach, Odisha.
- The Sand festival celebrates sand sculptures produced by skillful sand artists.

Question 101 :

Where is the Diesel Locomotive Works located?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Irugur

2. Chittaranjan

3. Varanasi

4. Secunderabad

Solution :

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

- The Diesel Locomotive Works or the Banaras Locomotive Works is located in Varanasi.
- Founded in 1961.

Question 102 :

Which of the following is a tributary of the river Ganga?

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. Beas

2. Gandak

3. Tungabhadra

4. Manas

Solution :

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

- Gandak is a tributary of the river Ganga.
- The important tributaries are the Yamuna, the Ramaganga, the Gomti, the Ghagra, the Son, the Gandak, the Burhi Gandak, the Kosi and the Mahananda.

Question 103 :

On what day did the Civil Disobedience Movement start?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 21st May 1931

2. 10th May 1930

3. 12th March 1930

4. 13th March 1931

Solution :

The correct answer is **option 3** i.e. **12th March 1930.**

- On 12th March 1930 the Civil Disobedience Movement was started.
- Gandhiji inaugurated the civil disobedience movement with the Dandi Salt March.

Question 104 :

Which Article of our Constitution states that "the speaker shall have and exercise a casting vote in the case of an equality of votes"?

Difficulty : Moderate   **Average Time : 46 Seconds**

Options :

1. Article 101
2. Article 99
3. Article 97
4. Article 100

Solution :

The correct answer is **option 4** i.e. **Article 100.**

- Article 100 of our Constitution states that "the speaker shall have and exercise a casting vote in the case of an equality of votes".

Question 105 :

Who is the current Chief of the Indian Army?

Difficulty : Moderate   **Average Time : 41 Seconds**

Options :

1. Arup Raha
2. Dalbir Singh Suhag
3. Sunil Lanba
4. Bipin Rawat

Solution :

The correct answer is **option 4** i.e. **Bipin Rawat.**

- Bipin Rawat was the 26th Chief of the Army Staff.
- He was in office from 31 December 2016 – 31 December 2019.

Question 106 :

When was the first general election in Independent India held?

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

Options :

1. 1950

2. 1951-52

3. 1947-48

4. 1953

Solution :

The correct answer is **option 2** i.e. **1951-52.**

- First General elections were held in India between 25 October 1951 and 21 February 1952.
- It was conducted under the provisions of the Indian Constitution, which was adopted on 26 November 1949.

Question 107 :

Ustad Ali Ahmed Hussain Khan, who passed away recently was a famous:

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

Options :

1. Santoor Player

2. Table Player

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4. Shehani Player

Solution :

The correct answer is **option 4** i.e. **Shehani Player.**

- Ustad Ali Ahmed Hussain Khan, who passed away recently was a famous Shehani Player.

Question 108 :

In how many cities did Maharaja Jai Singh II build Jantar Mantar?

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

Options :

1. Five

2. Three

3. One

4. Two

Solution :

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

- Maharaja Jai Singh II build Jantar Mantar in five cities i.e. New Delhi, Jaipur, Ujjain, Mathura and Varanasi.

Question 109 :

Who won the 2016 Formula -1 Rolex Australian Grand Prix?

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

Options :

1. Lewis Hamilton

2. Sebastian Vettel

Nico Rosberg

4. Felipe Massa

Solution :

The correct answer is **option 3** i.e. **Nico Rosberg.**

- Nico Rosberg won the 2016 Formula -1 Rolex Australian Grand Prix.

Question 110 :

Halley's comet appears once in approximately how many years?

Difficulty : Moderate   **Average Time : 39 Seconds**

Options :

1. 84

2. 76

3. 24

4. 48

Solution :

The correct answer is **option 2** i.e. **76.**

- Halley's Comet appears once in approximately 76 years.
- It is a short-period comet visible from Earth.

Question 111 :

The second most abundant element on Earth's crust is:

Difficulty : Moderate   **Average Time : 38 Seconds**

Options :

1. Oxygen

2. Carbon

Silicon

4. Hydrogen

Solution :

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

- The second most abundant element on Earth's crust is Silicon.
- Atomic number: 14.

Question 112 :

Which of the following is NOT a plant product?

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. Jute

2. Rubber

3. Teak

4. Honey

Solution :

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

- Honey is not a plant product.
- Jute, Rubber, and Teak are plant-based products.

Question 113 :

For which English County did Sachin Tendulkar play?

Difficulty : Moderate

Average Time : 38 Seconds

Options :

1. Lancashire

2. Essex

Yorkshire

4. Surrey

Solution :

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

- In 1992, Sachin Tendulkar became the first overseas-born player to represent Yorkshire.

Question 114 :

Where is the National Geophysical Research Institute located?

Difficulty : Moderate   Average Time : 37 Seconds

Options :

1. Jamshedpur

2. Hyderabad

3. Mumbai

4. Jaipur

Solution :

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

- The National Geophysical Research Institute is located in Hyderabad.
- It is a geoscientific research organization established in 1961.

Question 115 :

What is a Red Data Book (also called a Red List)?

Difficulty : Moderate   Average Time : 40 Seconds

Options :

1. Document detailing highly polluted zones.

2. Document relating to Seismic Zones.

Document relating to drought regions.

4. Document detailing rare and endangered species of animals, plants etc.

Solution :

The correct answer is **option 4** i.e. **Document detailing rare and endangered species of animals, plants, etc.**

- The International Union for Conservation of Nature (IUCN) Red List of Threatened Species is the world's most comprehensive inventory of the global conservation status of biological species.
- It contains information about the species that are on the verge of extinction.

Question 116 :

Which is the longest railway tunnel in India?

Difficulty : Moderate   Average Time : 53 Seconds

Options :

1. Natuwadi Tunnel

2. Pir Panjal Tunnel

3. Karbude Tunnel

4. Berdewadi Tunnel

Solution :

The correct answer is **option 2** i.e. **Pir Panjal Tunnel.**

- Pir Panjal Tunnel is the longest railway tunnel in India.
- It is an 11.215 kilometers long railway tunnel located in the Pir Panjal Range of middle Himalayas in Jammu and Kashmir.

Question 117 :

When was the Indus Water Treaty, which featured in news recently, signed by India and Pakistan?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 1947

2. 1951

3. 1954

4. 1960

Solution :

The correct answer is **option 4** i.e. **1960.**

- In 1960 the Indus Water Treaty was signed by India and Pakistan.
- It is a water-distribution treaty between India and Pakistan.
- It was signed in Karachi on 19 September 1960 by Indian Prime Minister Jawaharlal Nehru and Pakistani President Ayub Khan.

Question 118 :

Who has the authority to decide in the event of a dispute in the election of the President of India?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Lok Sabha

2. Election Commissioner

3. Panchayat

4. Supreme Court

Solution :

The correct answer is **option 4** i.e. **Supreme Court.**

- According to Article 71 of the Constitution, all doubts and disputes arising out of or in connection with the election of a President or Vice-President shall be inquired into and decided by the Supreme Court.

Question 119 :

Rusting of Iron is a common example of:

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Physical Change

2. Exothermic Change

3. Endothermic Change

4. Chemical Change

Solution :

The correct answer is **option 4** i.e. **Chemical Change.**

- Rusting of Iron is a common example of chemical change.
- It is an example of a redox reaction.
- The formation of rust, which is a mixture of iron oxides, on the surface of iron objects or structures.
- The rust is formed by the redox reaction between oxygen and iron in an environment containing water such as air containing high levels of moisture.

Question 120 :

Who was called the 'Lady with a lamp'?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

Madame Cama

2. Florence Nightingale

3. Annie Besant

4. Sarojini Naidu

Solution :

The correct answer is **option 2** i.e. **Florence Nightingale.**

- Florence Nightingale was called the 'Lady with a lamp'.
- She was called so because she would visit soldiers at night with a small lantern in her hand.

Rrb Ntpc CBT - 2 Previous Year Question Paper Analysis

The analysis of Rrb Ntpc CBT - 2 Previous Year Question Paper held on 2022-05-11 in the Afternoon 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. 1 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. Reasoning - 1
2. Science - 9

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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