

Navik DB

Memory Based Paper
21 March 2021 (Section I)

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60 Questions

Que. 1 If 70% of $p = 20\%$ of q , then what percent of p is q ?

1. 250%
2. 315%
3. 350%
4. 280%

Correct Option - 3

Que. 2 If $a^3 + b^3 + c^3 = 3abc$. Find the value of $a + b + c$?

1. 4
2. 8
3. 2
4. 0

Correct Option - 4

Que. 3 The ages of Manoj and Mahendra are in the ratio of 4 : 3 and the difference of their ages is 11 years. What will be the ratio of their ages after 5 years?

1. 49 : 38
2. 39 : 28
3. 44 : 33
4. 38 : 49

Correct Option - 1

Que. 4 A car travelling at 40 km/hr completes a journey in 5 hours. At what speed will it have to cover the same distance in 8 hours?

1. 30 KM/hr
2. 40 km/hr
3. 35 km/hr
4. 25 km/hr

Correct Option - 4

Que. 5 Sum of Rs. 1750 is divided into two parts such that interest on first part at 8% per annum and second part at 6% per annum are equal. interest on each part is ?

1. 60
2. 55
3. 61
4. 63

Correct Option - 1

Que. 6 How much will Rs. 25,000 amount to in 2 years at compound interest, if the rate of interest for successive years be 4% and 5% per year ?

1. Rs. 25,300

2. Rs. 26,300
3. Rs. 27,300
4. Rs. 28,300

Correct Option - 3

Que. 7 Find the mean and median of the given data respectively: {21, 22, 24, 25, 25, 18, 26}

1. 23, 24
2. 24, 23
3. 22, 25
4. 25, 22

Correct Option - 1

Que. 8 If an article is sold at a loss of 20% for Rs. 450, then, what will be the price of the article if it is sold at 20% profit?

1. Rs. 475
2. Rs. 575
3. Rs. 675
4. Rs. 775

Correct Option - 3

Que. 9 The present ages of three persons in proportions 8 : 4 : 3. 5 years ago, the sum of their ages was 90. Find their present ages (in years)?

1. 20, 24, 16
2. 42, 20, 25
3. 38, 25, 30
4. 56, 28, 21

Correct Option - 4

Que. 10 In a family of 14 members, the average age of all the family members is 30 years. A new baby born in a family, Find the average age of all the family members after 4 years?

1. 23 years
2. 32 years
3. 30 years
4. 35 years

Correct Option - 2

Que. 11 If $a + b = 8$ and $a^2 + b^2 = 34$, then value of ab is

1. 30
2. 64
3. 98
4. 15

Correct Option - 4

Que. 12 In an examination, Manish got 20% of total marks and failed by 20 marks. Mohit got 40 marks and failed by 10% of total marks. What is the total marks in the examination?

1. 200 marks
2. 240 marks
3. 300 marks
4. 180 marks

Correct Option - 1

Que. 13 If $A = 30^\circ$, then value of $2 \sin A \times \cos A$ is _____.

1. $\sqrt{3}/2$
2. $\sqrt{3}$
3. $3/2$
4. 6

Correct Option - 1

Que. 14 If $\sin(3x)^\circ = \cos(2x + 45)^\circ$, then what is the value of x ?

1. 4°
2. 7°
3. 9°
4. 10°

Correct Option - 3

Que. 15 The vertical $\angle L$ of an isosceles $\triangle LMN$ is 4 times the $\angle M$ of it. Find $\angle N$ and $\angle L$.

1. 30 and 120
2. 25 and 100
3. 10 and 40
4. 20 and 80

Correct Option - 1

Que. 16 If the radius of a circle is increased by 10% then what is the percentage increase in its area?

1. 11%
2. 21%
3. 25%
4. 10%

Correct Option - 2

Que. 17 A boat goes 8 km upstream and 8 km downstream in 3 hours. If the speed of current is 2 kmph, find the speed of boat in still water in kmph.

1. 4
2. 3
3. 6
4. 8

Correct Option - 3

Que. 18 The cost price of the tablet is Rs. 20,100. The retailer gave 40% discount on the marked price. If the tablet is sold at 40% profit, find the marked price of the tablet.

1. Rs. 40,800

2. Rs. 27,500
3. Rs. 35,750
4. Rs. 46,900

Correct Option - 4

Que. 19 When Aman alone does a piece of work, he takes 16 days more than the time taken by Aman and Ajeet to complete the work, while Ajeet alone takes 9 days more than the time take by both to finish the work. What time, both will take to finish this work?

1. 12
2. 11
3. 15
4. 9

Correct Option - 1

Que. 20 A and B alone can complete the work in 15 days and 20 days respectively. They took work for Rs. 840. Find the difference between the wages of A and B.

1. Rs.110
2. Rs.135
3. Rs.120
4. Rs.100

Correct Option - 3

Que. 21 Choose the option that is the passive form of the given sentence.

Who has given permission to enter the garden?

1. By whom has permission been given to you to enter the garden?
2. By whom had been permission given to you to enter the garden?
3. By whom was permission given to you to enter the garden?
4. By whom is the permission being given to you to enter the garden?

Correct Option - 1

Que. 22 Choose the option that is the passive form of the given sentence.

Be kind to everyone but do not trust anyone.

1. You are advised to be kind to everyone and requested not to trust anyone.
2. You are advised to be kind to everyone but forbidden to trust anyone.
3. You are warned to be kind to everyone and advised to not trust anyone.
4. You are requested to be kind to everyone and to not trust anyone.

Correct Option - 2

Que. 23 Direction: Change the Narration-

The teacher said to her, "Do not waste your time."

1. The teacher advised her do not to waste her time.
2. The teacher advised her not to waste her time.
3. The teacher advised her not do not waste her time.
4. The teacher advised her not to wasted her time.

Correct Option - 2

Que. 24 Choose the option that is the indirect form of the sentence.

Nikita said to me, "Will you come to the party tonight?"

1. Nikita asked me whether I would come to the party that night.
2. Nikita asked me whether I will come to the party that night.
3. Nikita asked me whether I would come to the party tonight.
4. Nikita asked me whether you would come to the party that night.

Correct Option - 1

Que. 25 **Direction:** Spot the erroneous parts, if any, in the following sentences:

We visited (A) / the beach and the seawater (B) / felt warmly. (C) / No error (D)

1. (A)
2. (B)
3. (C)
4. (D)

Correct Option - 3

Que. 26 **Direction:** Find out which part has an error and mark it as your answer. If there is no error, mark 'No error' as your answer.

The ways of communication has (A) / changed dramatically (B) / since the last century. (C) / No error (D)

1. (A)
2. (B)
3. (C)
4. (D)

Correct Option - 1

Que. 27 **Direction:** Fill in the blank with the most appropriate option.

_____ in the first attempt, he did not try again.

1. Being failing
2. Having failed
3. Being failed
4. Having fail

Correct Option - 2

Que. 28 **Direction:** Choose the correct one-word substitute for the following:

The killing of a race of people

1. homicide
2. suicide
3. genocide
4. patricide

Correct Option - 3

Que. 29 **Direction:** Choose the correct meaning of the following phrase/idiom.

Veer away

1. To control

2. To run away
3. To distract
4. To avoid

Correct Option - 4

Que. 30 In the given question, four words are given out of which one word is correctly spelt. Choose the correctly spelt word.

1. Conscience
2. Concince
3. Concinse
4. Caunscience

Correct Option - 1

Que. 31 Direction: Select the most appropriate synonym of the given word.

MORALE

1. Appearance
2. Attitude
3. Self-confidence
4. Reputation

Correct Option - 3

Que. 32 Direction: Choose the words similar in meaning to the ones in capitals.

MISERY

1. Loss
2. Falsehood
3. Fraud
4. Sorrow

Correct Option - 4

Que. 33 Direction: Select the most appropriate ANTONYM of the given word.

AWKWARD

1. Problematic
2. Convenient
3. Difficult
4. Matchless

Correct Option - 2

Que. 34 Direction: Select the correct antonym of the given word.

Allure

1. Repulse
2. Attract
3. Rewind
4. Revive

Correct Option - 1



Que. 35 **Direction:** In the following question, out of the four alternatives, choose the word which is opposite in meaning to the given word and click the button corresponding to it.

NULLIFY

1. Avoid
2. Authenticate
3. Acquire
4. Ascend

Correct Option - 2

Que. 36 Who is the first non-Indian to receive Bharat Ratna?

1. Dr. Martin Luther King, Jr.
2. Mother Teresa
3. Khan Abdul Ghaffar Khan
4. Zubin Mehta

Correct Option - 3

Que. 37 National Safety Day is observed on

1. March 4
2. November 10
3. August 15
4. July 6

Correct Option - 1

Que. 38 The Tropic of Cancer passes through how many states of India?

1. 6
2. 7
3. 8
4. 9

Correct Option - 3

Que. 39 Who among the following won the World Food Prize 2020?

1. Nadia Murad
2. Rattan Lal
3. Norman Borlaug
4. Gurdev Singh Khush

Correct Option - 2

Que. 40 Who among the following has been called the 'Napoleon of India'?

1. Samudragupta
2. Harshavardhana
3. Chandragupta Maurya
4. Ashoka

Correct Option - 1

Que. 41 In which of the following countries, the rivers Ganga, Brahmaputra and Meghna merge on floodplain?

1. Bangladesh
2. India
3. Japan
4. Tibet

Correct Option - 1

Que. 42 Which of the following is capital of Cambodia?

1. Nicosia
2. Hanoi
3. Phnom Penh
4. Dili

Correct Option - 3

Que. 43 How many times India played in the ODI Cricket world cup final?

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

Correct Option - 1

Que. 44 Who was the first black President to win Nobel Prize in literature?

1. Wole Soyinka
2. Derek Walcott
3. Toni Morrison
4. Ralph Bunche

Correct Option - 1

Que. 45 In which of the following northeastern states, the Khadi India is to set up its first silk production plant?

1. Nagaland
2. Arunachal Pradesh
3. Mizoram
4. Manipur

Correct Option - 2

Que. 46 What is the full form of IAAF?

1. International Association of Administrative Professionals
2. International Amateur Athletics Federation
3. International Association of Athletics Federations
4. None of the above

Correct Option - 3

Que. 47 Vinesh Phogat is related to which of the following sports?

1. Chess
2. Archery
3. Athletics
4. Wrestling

Correct Option - 4

Que. 48 Who is the current Chief Minister of Tamil Nadu?

1. Edappadi K. Palaniswami
2. M.K. Stalin
3. O. Panneerselvam
4. K. Ponmudy

Correct Option - 2

Que. 49 As per the International Cricket Council (ICC), the ICC Men's T20 World Cup will be held October – November 2021 in which country?

1. UAE
2. England
3. Bangladesh
4. Australia

Correct Option - 1

Que. 50 Which American President won the Nobel Peace Prize?

1. Abraham Lincoln
2. Barack Obama
3. George Washington
4. Bill Clinton

Correct Option - 2

Que. 51 Select the option in which the words share the same relationship as that shared by the given pair of words.

Kangaroo : Joey

1. Deer : Fawn
2. Calf : Elephant
3. Cub : Tiger
4. Piglet : Pig

Correct Option - 1

Que. 52 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

ONLJ : WVTR :: PMGE : XUOM :: QLKI : ?

1. YTPR
2. YTSQ
3. WTSQ
4. QLKR

Correct Option - 2

Que. 53 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different.

1. 19 : 324
2. 5 : 35
3. 7 : 63
4. 13 : 195

Correct Option - 1

Que. 54 Ram pointed to Sohan and said, "He is the only son of my mother's father." How is Sohan related to Ram's mother?

1. Husband
2. Nephew
3. Maternal uncle
4. Brother

Correct Option - 4

Que. 55 DIRECTIONS: Study the following figures and find out the number opposite to 2.



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

Correct Option - 2

Que. 56 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

T _ X T U _ _ U X T _ X

1. T X X U
2. U X T U
3. T U U X
4. X T U X





Correct Option - 2

Que. 57 Riya walks 20 m southward, then turns left and walks 60 m. She then turns right and walks 100 m. What is the total distance that Riya travelled?

1. 100 m
2. 120 m
3. 240 m
4. 180 m

Correct Option - 4

Que. 58 Select the Venn diagram that best represents the relationship between the following classes.
Doctors, Fathers, Mothers

1. 
2. 
3. 
4. 

Correct Option - 2

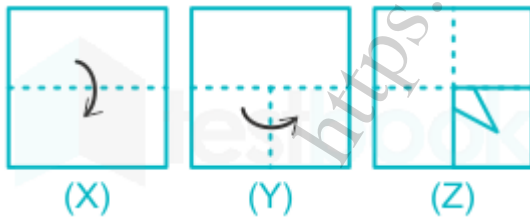
Que. 59 If P means "Addition", Q means "Multiply", R means "Divide", S means "Subtraction", then what will be the value of the following expression?



18 R 9 P 2 Q 8 S 4

1. 18
2. 16
3. 14
4. 20

Correct Option - 3

Que. 60 If a square sheet of paper is folded as shown in the question figure(x) and (y) and cuts are made as shown in the question figure(z) how will it appear when it is opened?



1. 
2. 



Correct Option - 4

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