

Aptitude Test

50 Questions, All Are Mandatory

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* Indicates required question

Email *

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Student Name *

Your answer

12 Digit Student Id *

Your answer



Center *

- ☐ JH
- ☐ Kharghar

What percentage of numbers from 1 to 70 have 1 or 9 in the unit's digit? *

- ☐ A. 1
- ☐ B. 14
- ☐ C. 20
- ☐ D. 21

If 20% of $a = b$, then $b\%$ of 20 is the same as: *

- ☐ A. 4% of a
- ☐ B. 5% of a
- ☐ C. 20% of a
- ☐ D. None of these



In an election between two candidates, one got 55% of the total valid votes, 20% * of the votes were invalid. If the total number of votes was 7500, the number of valid votes that the other candidate got, was:

- ☐ A. 2700
- ☐ B. 2900
- ☐ C. 3000
- ☐ D. 3100

Reena took a loan of Rs. 1200 with simple interest for as many years as the rate * of interest. If she paid Rs. 432 as interest at the end of the loan period, what was the rate of interest?

- ☐ A. 3.6
- ☐ B. 6
- ☐ C. 18
- ☐ D. Cannot be determined
- ☐ E. None of these



What will be the ratio of simple interest earned by certain amount at the same rate of interest for 6 years and that for 9 years? *

- ☐ A. 1 : 3
- ☐ B. 1 : 4
- ☐ C. 2 : 3
- ☐ D. Data inadequate
- ☐ E. None of these

The greatest number of four digits which is divisible by 15, 25, 40 and 75 is:

- ☐ A. 9000
- ☐ B. 9400
- ☐ C. 9600
- ☐ D. 9800



The ratio of two numbers is 3 : 4 and their H.C.F. is 4. Their L.C.M. is: *

- ☐ A. 12
- ☐ B. 16
- ☐ C. 24
- ☐ D. 48

If $a - b = 3$ and $a^2 + b^2 = 29$, find the value of ab . *

- ☐ A. 10
- ☐ B. 12
- ☐ C. 15
- ☐ D. 18



In a regular week, there are 5 working days and for each day, the working hours are 8. A man gets Rs. 2.40 per hour for regular work and Rs. 3.20 per hours for overtime. If he earns Rs. 432 in 4 weeks, then how many hours does he work for ? *

- ☐ A. 160
- ☐ B. 175
- ☐ C. 180
- ☐ D. 195

In a mixture 60 litres, the ratio of milk and water 2 : 1. If this ratio is to be 1 : 2, then the quantity of water to be further added is: *

- ☐ A. 20 litres
- ☐ B. 30 litres
- ☐ C. 40 litres
- ☐ D. 60 litres



Two number are in the ratio 3 : 5. If 9 is subtracted from each, the new numbers are in the ratio 12 : 23. The smaller number is:

*

- ☐ A. 27
- ☐ B. 33
- ☐ C. 49
- ☐ D. 55

Excluding stoppages, the speed of a bus is 54 kmph and including stoppages, it is 45 kmph. For how many minutes does the bus stop per hour? *

- ☐ A. 9
- ☐ B. 10
- ☐ C. 12
- ☐ D. 20



A farmer travelled a distance of 61 km in 9 hours. He travelled partly on foot @ 4 km/hr and partly on bicycle @ 9 km/hr. The distance travelled on foot is: *

- ☐ A. 14 km
- ☐ B. 15 km
- ☐ C. 16 km
- ☐ D. 17 km

Three pipes A, B and C can fill a tank in 6 hours. After working at it together for 2 hours, C is closed and A and B can fill the remaining part in 7 hours. The number of hours taken by C alone to fill the tank is: *

- ☐ A. 10
- ☐ B. 12
- ☐ C. 14
- ☐ D. 16



A sum of money is to be distributed among A, B, C, D in the proportion of 5 : 2 : 4 : *
3. If C gets Rs. 1000 more than D, what is B's share?

- ☐ A. Rs. 500
- ☐ B. Rs. 1500
- ☐ C. Rs. 2000
- ☐ D. None of these

In a mixture 60 litres, the ratio of milk and water 2 : 1. If this ratio is to be 1 : 2, *
then the quantity of water to be further added is:

- ☐ A. 20 litres
- ☐ B. 30 litres
- ☐ C. 40 litres
- ☐ D. 60 litres



In a bag, there are coins of 25 p, 10 p and 5 p in the ratio of 1 : 2 : 3. If there is Rs. 30 in all, how many 5 p coins are there? *

- ☐ A. 50
- ☐ B. 100
- ☐ C. 150
- ☐ D. 200

Two trains, each 100 m long, moving in opposite directions, cross each other in 8 seconds. If one is moving twice as fast the other, then the speed of the faster train is: *

- ☐ A. 30 km/hr
- ☐ B. 45 km/hr
- ☐ C. 60 km/hr
- ☐ D. 75 km/hr



A train 110 metres long is running with a speed of 60 kmph. In what time will it pass a man who is running at 6 kmph in the direction opposite to that in which the train is going? *

- ☐ A. 5 sec
- ☐ B. 6 sec
- ☐ C. 7 sec
- ☐ D. 10 sec

A train 800 metres long is running at a speed of 78 km/hr. If it crosses a tunnel in 1 minute, then the length of the tunnel (in meters) is: *

- ☐ A. 130
- ☐ B. 360
- ☐ C. 500
- ☐ D. 540



Three times the first of three consecutive odd integers is 3 more than twice the third. The third integer is: *

- ☐ A. 9
- ☐ B. 11
- ☐ C. 13
- ☐ D. 15

A two-digit number is such that the product of the digits is 8. When 18 is added to the number, then the digits are reversed. The number is: *

- ☐ A. 18
- ☐ B. 24
- ☐ C. 42
- ☐ D. 81



The sum of two number is 25 and their difference is 13. Find their product. *

☐ A. 104

☐ B. 114

☐ C. 315

☐ D. 325

What was the day of the week on 28th May, 2006? *

☐ A. Thursday

☐ B. Friday

☐ C. Saturday

☐ D. Sunday



January 1, 2008 is Tuesday. What day of the week lies on Jan 1, 2009? *

- ☐ A. Monday
- ☐ B. Wednesday
- ☐ C. Thursday
- ☐ D. Sunday

he percentage increase in the area of a rectangle, if each of its sides is increased *
by 20% is:

- ☐ A. 40%
- ☐ B. 42%
- ☐ C. 44%
- ☐ D. 46%



What is the least number of squares tiles required to pave the floor of a room 15 m 17 cm long and 9 m 2 cm broad? *

- ☐ A. 814
- ☐ B. 820
- ☐ C. 840
- ☐ D. 844

The length of a rectangular plot is 20 metres more than its breadth. If the cost of fencing the plot @ 26.50 per metre is Rs. 5300, what is the length of the plot in metres? *

- ☐ A. 40
- ☐ B. 50
- ☐ C. 120
- ☐ D. Data inadequate
- ☐ E. None of these



In a box, there are 8 red, 7 blue and 6 green balls. One ball is picked up randomly. *
What is the probability that it is neither red nor green?

- ☐ A. $1/3$
- ☐ B. $3/4$
- ☐ C. $7/19$
- ☐ D. $8/21$

Two dice are thrown simultaneously. What is the probability of getting two numbers whose product is even? *

- ☐ $1/2$
- ☐ $3/4$
- ☐ $3/8$
- ☐ $5/16$



If $\log 27 = 1.431$, then the value of $\log 9$ is: *

- ☐ A. 0.934
- ☐ B. 0.945
- ☐ C. 0.954
- ☐ D. 0.958

A clock is started at noon. By 10 minutes past 5, the hour hand has turned through: *

- ☐ A. 145°
- ☐ B. 150°
- ☐ C. 155°
- ☐ D. 160°



How many times in a day, the hands of a clock are straight? *

- ☐ A. 22
- ☐ B. 24
- ☐ C. 44
- ☐ D. 48

In how many different ways can the letters of the word 'CORPORATION' be arranged so that the vowels always come together? *

- ☐ A. 810
- ☐ B. 1440
- ☐ C. 2880
- ☐ D. 50400
- ☐ E. 5760



In how many different ways can the letters of the word 'OPTICAL' be arranged so that the vowels always come together? *

- ☐ A. 120
- ☐ B. 720
- ☐ C. 4320
- ☐ D. 2160
- ☐ E. None of these

The least perfect square, which is divisible by each of 21, 36 and 66 is: *

- ☐ A. 213444
- ☐ B. 214344
- ☐ C. 214434
- ☐ D. 231444



Which of the following is a prime number ? *

- ☐ A. 33
- ☐ B. 81
- ☐ C. 93
- ☐ D. 97

When a number is divided by 13, the remainder is 11. When the same number is divided by 17, then remainder is 9. What is the number ? *

- ☐ A. 339
- ☐ B. 349
- ☐ C. 369
- ☐ D. Data inadequate



The sum of first 45 natural numbers is: *

- ☐ A. 1035
- ☐ B. 1280
- ☐ C. 2070
- ☐ D. 2140

The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is: *

- ☐ A. 15
- ☐ B. 16
- ☐ C. 18
- ☐ D. 25



A trader mixes 26 kg of rice at Rs. 20 per kg with 30 kg of rice of other variety at Rs. 36 per kg and sells the mixture at Rs. 30 per kg. His profit percent is: *

- ☐ A. No profit, no loss
- ☐ B. 5%
- ☐ C. 8%
- ☐ D. 10%
- ☐ E. None of these

There is 60% increase in an amount in 6 years at simple interest. What will be the compound interest of Rs. 12,000 after 3 years at the same rate? *

- ☐ A. Rs. 2160
- ☐ B. Rs. 3120
- ☐ C. Rs. 3972
- ☐ D. Rs. 6240
- ☐ E. None of these



The compound interest on a certain sum for 2 years at 10% per annum is Rs. 525. *
The simple interest on the same sum for double the time at half the rate percent per annum is:

- ☐ A. Rs. 400
- ☐ B. Rs. 500
- ☐ C. Rs. 600
- ☐ D. Rs. 800

find odd man out: 8, 27, 64, 100, 125, 216, 343 *

- ☐ A. 27
- ☐ B. 100
- ☐ C. 125
- ☐ D. 343



find odd man out: 2, 5, 10, 17, 26, 37, 50, 64 *

- ☐ A. 50
- ☐ B. 26
- ☐ C. 37
- ☐ D. 64

find odd man out: 3, 5, 7, 12, 17, 19 *

- ☐ A. 19
- ☐ B. 17
- ☐ C. 5
- ☐ D. 12



If $3(x - y) = 27$ and $3(x + y) = 243$, then x is equal to: *

- ☐ A. 0
- ☐ B. 2
- ☐ C. 4
- ☐ D. 6

The sum of even numbers between 1 and 31 is: *

- ☐ A. 6
- ☐ B. 28
- ☐ C. 240
- ☐ D. 512



In a 500 m race, the ratio of the speeds of two contestants A and B is 3 : 4. A has a start of 140 m. Then, A wins by *

- ☐ A. 60 m
- ☐ B. 40 m
- ☐ C. 20 m
- ☐ D. 10 m

In a 300 m race A beats B by 22.5 m or 6 seconds. B's time over the course is: *

- ☐ A. 86 sec
- ☐ B. 80 sec
- ☐ C. 76 sec
- ☐ D. None of these

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