**ASSESSMENT APTITUDE QUESTIONS**

1. The average of Sohan's marks in 6 subjects is 74. If his average in five subjects excluding science is 70, how many marks he obtained in science?
   1. 94
   2. 92
   3. 90
   4. 88
2. Find the average of first 9 consecutive odd numbers.
   1. 9
   2. 4
   3. 0
   4. 7
3. If two-third of three-fourth of a number is 34, find the 20% of that number?
   1. 13
   2. 13.6
   3. 14
   4. 14.6
4. Find the value of √(6+√(6+√(6+√(6+.......n
   1. 6
   2. √6
   3. 3
   4. 2√3
5. Ramesh borrowed Rs. 3600 at a certain rate of interest C.I. and the sum grows to Rs. 4624 in 2 years. What is the rate of interest?
   1. 12.3%
   2. 13.3%
   3. 14.3%
   4. 15.3%
6. On a certain sum of money, the compound interest Rs. 318 is earned in 2 years. If the rate of interest is 12%, what is the principal amount?
   1. ` 1250
   2. ` 1300
   3. ` 1200
   4. ` 1150
7. A, B, and C invest 63000, 56000, and 84000 respectively to start a business. After one year, the profit is distributed in the ratio of their investments. If C's share of profit is Rs.54000, find the total profit earned.
   1. 135030
   2. 130500
   3. 145000
   4. None of these
8. A, B, and C enter into a partnership. A invests one-fourth of the capital for one-fourth of the time. B invests one-fifth of the capital for half of the time. C contributes the remaining capital for the whole time. How should they divide a profit of Rs 1140?
   1. 150, 540, 870
   2. 100, 160, 860
   3. 100, 160, 880
   4. 120, 170, 830
9. Simran is younger than Simarjeet by 7 years, and the ratio of their ages is 7:9. What is the age of Simran?
   1. 24 years
   2. 23.5 years
   3. 24.5 years
   4. 25 years
10. My brother, Ravi is 3 years elder to me. My father's age was 28 years when my sister, Neha was born, and my mother's age was 26 years when I was born. If Neha's age was 4 years when Ravi was born, what was the age of my father when Ravi was born?
    1. 35 years
    2. 34 years
    3. 33 years
    4. 32 years
11. If 6 years are subtracted from the present age of Vijay and the remainder is divided by 18, the present age of Vishal is obtained. If Vishal is 2 years younger to Denis whose age is 5years, then what is Vijay's present age?
    1. 50 Years
    2. 60 Years
    3. 55 Years
    4. 62 Years
12. What was the day of the week on June 17, 1991?
    1. Tuesday
    2. Wednesday
    3. Friday
    4. Monday
13. If it was Wednesday on March 1, 2006, which day was it on March 1, 2002?
    1. Tuesday
    2. Friday
    3. Monday
    4. Sunday
14. A man can row a boat at a speed of 20 km/hr in still water. If the speed of the stream is 5 km/hr, in what time he can row a distance of 75 km downstream?
    1. 1.5 hours
    2. Hours
    3. 25 hours
    4. 3 hours
15. A boat covers 12 km upstream and 18km downstream in 3 hours while it covers 36km upstream and 24 km downstream in 6[1/2] hours, what is the velocity of the stream?
    1. 1.5km/hr
    2. 2km/hr
    3. 3km/hr
    4. 2.5km/hr
16. A clock is set at 4am. It loses 16 minutes in 24 hours. What will be the correct time when the clock indicates 9pm on the 4th day?

A. 8pm

B. 7pm

C. 10pm

D. 11pm

1. A watch which gains uniformly is 5 minutes slow at 6am on Monday and is 5 minutes 48 seconds fast at 6pm on the following Monday. When was it correct?

A. 5:20 pm on Wednesday

B. 5:20 pm on Thursday

C. 4:20 pm on Wednesday

D. 4:20 pm on Thursday

1. The tops of two poles are connected by a wire. The heights of the poles are 10 m and 14 m respectively. If the wire makes a 30° angle with the horizontal, find the length of the wire?

A. 7 m

B. 7.5m

C. 8m

D. 8.5m

1. A kite is flown with a thread of length 200 meter. The thread is fully stretched and makes an angle of 60° with the horizontal, find the height of the kite above the ground.

A. 173 m

B. 100 m

C. 346 m

D. 141 m

1. If 30 % of 1520 + 40 % of 800 = x % of 5000, find the value of x.

A. 14.42%

B. 15.52%

C. 12.22%

D. 18.82%

1. The salary of a man per hour is increased by 20%, and his working hours is decreased by 25%. If the original income is Rs. 4000. Find the new income.

A. 2000

B. 2500

C. 3000

D. 3600

1. When the numerator is increased by 200%, and the denominator is increased by 350%, the resultant fraction is 5/12. Find the original fraction.

A. 5/9

B. 11/13

C. 8/9

D. 5/8

1. A tank can be filled in 10 hours. After a leak in its bottom, it takes 12 hours to fill the tank. Find the time taken by the leak to empty the full tank?

A. 45 hours

B. 60 hours

C. 50 hours

D. 55 hours

1. Two pipes can separately fill a tank in 20 hrs and 30 hrs respectively. Both the pipes are opened to fill the tank but when the tank is Apti pipes and cisterns full, a leak develops in the tank through which Apti pipes and cisterns of the water supplied by both the pipes per hour leak out. What is the total time to fill the tank?

A. 12 hrs.

B. 14 hrs.

C. 18 hrs.

D. 16 hrs.

1. Suresh bought a cell phone from a shop. If he sells it at Rs. 8400 to Mahesh and earns a profit of 12%, find the price at which Suresh bought the cell phone.

A. Rs.7100

B. Rs.7250

C. Rs.7350

D. Rs.7500

1. Ayaan bought 30 kg of rice at the rate of Rs 9.50/ kg and 40 kg rice at the rate of Rs 8.50/kg and mixed them. He sold the mixture at the rate of Rs. 8.90/kg. Find his total profit or loss in the transaction.

A. Rs 2 loss

B. Rs 5 profit

C. Rs 2 profit

D. Rs 7 loss

1. A car running at a speed of 140 km/hr reached its destination in 2 hours. If the car wants to reach at its destination in 1 hour, at what speed it needs to travel?

A.300 km/hr

B.280 km/hr

C.250 km/hr

D.240 km/hr

1. Man travels first 150 km of his journey at 80 km/hr. Due to bad weather he travels the next 150 km of his journey at 60 km/hr. What is his average speed for the first 300 km of his journey?

A.60.6 km/hr

B.63.6 km/hr

C.66.6 km/hr

D.68.6 km/hr

1. In what time Rs. 6000 will give interest of Rs. 720 at the rate of 6% p.a. S.I.?

A. 1.5 years

B. 2 years

C. 2.5 years

D. 3 years

1. An agent allows a rebate of 4% to an investor while the bank pays an interest of 14% on the investment. What is the actual rate of interest earned by the investor on his investment?

A. 18.75%

B. 18%

C. 17.75 %

D. 16%

1. A train is moving at 120 km/hr. The length of the train is 150 meters. How long it will take to cross a platform of length 100 meters?

A. 10 seconds

B. 7.5 seconds

C. 20 Seconds

D. 25 seconds

1. Two trains of equal length 140 meters are running in opposite directions on parallel tracks at the same speed. If the trains cross each other 14 seconds, find the speed of each train.

A. 30 km/hr

B. 32 km/hr

C. 34 km/hr

D. 36 km/hr

1. Vikas and Mohan working together can complete a work in 6 days. If Vikas alone completes the same work in 10 days, in how many days Mohan alone can complete the same work?

A. 13 days

B. 14 days

C. 15 days

D. 16 days

1. A does half as much as work as B in 1/6 of the time taken by B. Together they can complete the work in 10 days. B alone can complete the work in how many days?

A. 20 days

B. 30 days

C. 40 days

D. 50 days

1. In what ratio water must be mixed with milk costing Rs. 48 per liter to get a mixture worth Rs. 32 per liter ?

A. 2:3

B. 3:2

C. 3:4

D. 1:2

1. A shopkeeper mixes 60 kg of sugar worth Rs. 30 per kg with 90 kg of sugar worth Rs. 40 per kg. At what rate he must sell the mixture to gain 20%?

A. Rs. 30 per kg

B. Rs. 34 per kg

C. Rs. 43.2 per kg

D. Rs. 38 per kg

1. Value of (256)0.16 x (256)0.09 is

A. 64

B. 4

C. 8

D. 16

1. If 2x-1+2x+1=320,then x is equal to

A. 6

B. 8

C. 5

D. 7

1. Find the HCF of 210, 385, and 735.

A. 7

B. 14

C. 21

D. 35

1. The LCM of two prime number x and y is 161. If x>y, find the value of 15y-7x.

A. -32

B. -56

C. 38

D. 74

1. The sides of a rhombus are 10 cm in length, and one diagonal is 16 cm. The area of the rhombus is

A. 96 cm2

B. 95 cm2

C. 94 cm2

D. 93 cm

1. The diameter of a circle is increased by 100%. What is the percentage increase in area?

A. 250 %

B. 200 %

C. 400 %

D. 300 %

1. 5600 is to be divided into A, B, C, and D in such a way that the ratio of share of A: B is 1: 2, B: C is 3: 1, and C: D is 2: 3. Find the sum of (A and C) and (B and C).

A. Rs 2400, Rs 3000

B. Rs 2000, Rs 3000

C. Rs 2400, Rs

1. A bag contains Rs 410 in the form of Rs 5, Rs 2, and Rs 1 coins. The number of coins is in the ratio 4: 6: 9. So, find the number of 2 Rupees coins.

A. 40

B. 50

C. 60

D. 70

1. A and B take part in a 100 m race. A runs at 5 km per hour. A gives B a start of 8 m and still beats him by 8 seconds. The speed of B is

A. 5.15 km/hr

B. 4.14 km/hr

C. 4.25 km/hr

D. 4.41 km/hr

1. In a 100 m race, A beats B by 10 m and C by 13 m. In a race of 180 m, B will beat C by

A. 5.4 m

B. 4.5 m

C. 5 m

D. 6 m

1. What is the probability of getting an even number when a dice is rolled?

A. 1/5

B. 1/2

C. 1/3

D. 1/4

1. A box contains 2 red, 3 green, and 2 blue balls. What is the probability that none of the balls drawn is blue?

A. 10/25

B. 10/21

C. 10/31

D. 10/21

1. A man tossed two dice. What is the probability that the total score is a prime number?

A. 5/12

B. 5/14

C. 5/20

D. 5/24

1. 4 cubes each of 6 cm2 total surface area and another cube of 24 cm2 total surface area are placed together in such a way to form a rectangular parallelepiped. The total surface area of the parallelepiped so formed is

A. 48 cm2

B. 40 cm2

C. 36 cm2

D. 32 cm2

1. A copper sphere of radius 3 cm is beaten and drawn into a wire of diameter 0.2 cm. The length of the wire is

A. 9 m

B. 12 m

C. 18 m

D. 36 m

1. In the given expression (1.05)2 \*x = 44.1, find the value of x.

A. 40.00

B. 40.01

C. 42.00

D. 42.01

1. What is the HCF and LCM of 3, 2.7, and 0.09?

A. 0.03, 2.7

B. 0.03, 0.27

C. 0.3, 0.027

D. 3, 27

1. Raju started a business with Rs. 900. Kamal joined him after few months with an amount of 600. If the profits at the end of the year were divided in the ratio of 2:1, after how many months Kamal joined the business?

A. 9 months

B. 3 months

C. 8 months

D. 5 months

1. X and Y enter into a partnership for a year. X invests Rs. 6000, and Y invests Rs. 8000. After 4 months, they admit Z, who invests Rs. 9000. If Y withdraws his contribution after 6 months, how would they share a profit of Rs 1000 at the end of the year?

A. 350, 300, 350

B. 375, 250, 375

C. 400, 300, 300

D. 100, 600,300

1. Goats eat as much as 15 cows. How many goats eat as much as 35 cows?

A. 41

B. 49

C. 36

D. 32

1. Kamal will complete work in 20 days. If Suresh is 25% more efficient than Kamal, he can complete the work in --- days.

A. 16

B. 20

C. 14

D. 18

1. P and Q can complete a work in 20 days and 12 days respectively. P alone started the work and Q joined him after 4 days till the completion of the work. How long did the work last?

A. 10 days

B. 22 days

C. 5 days

D. 14 days

1. A certain industrial loom weaves 0.128 meters of cloth every second. Approximately how many seconds will it take for the loom to weave 25 meters of cloth?

A. 205

B. 195

C. 200

D. 180

1. A boy runs 200 metres in 24 seconds. What is his speed ?

A. 20 km/hr

B. 24 km/hr

C. 28.5 km/hr

C. 30 km/hr

1. In what ways the letters of the word "RUMOUR" can be arranged?

A. 180

B. 150

C. 200

D. 230

1. Out of a group of 7 boys and 6 girls, five boys are selected to form a team so that at least 3 boys are there on the team. In how many ways can it be done?

A. 645

B. 734

C. 756

D. 612

1. Out of 7 constants and 4 vowels, how many words of 3 constants and 2 vowels can be formed?

A. 21020

B. 25200

C. 10500

D. 21400

1. A train of length 200 meters crosses a man running at 10 km/hr in the same direction in 10 seconds. What is the speed of the train?

A. 72 km/hr

B. 95 km/hr

C. 85 km/hr

D. 82 km/hr

1. What is the angle between hour hand and minute hand of a clock at 3.30?

A. 65°

B. 70°

C. 75°

D. 80°

1. A mother is twice as old as her son. If 20 years ago, the age of the mother was 10 times the age of the son, what is the present age of the mother?

A. 38 years

B. 40 years

C. 43 years

D. 45 years

1. Four years ago a man was 6 times as old as his son. After 16 years he will be twice as old as his son. What is the present age of man and his son?

A. 34, 9

B. 33, 7

C. 35, 5

D. 36, 6

1. What is the amount for a sum of money Rs.7500 at 6% rate of interest C.I. for 2 years?

A. Rs. 8427

B. Rs. 8417

C. Rs. 8400

D. Rs. 8390

1. On a certain sum of money the compound interest Rs. 318 is earned in 2 years. If the rate of interest is 12%, what is the principal amount?

A. Rs. 1250

B. Rs.1300

C. Rs. 1200

D. Rs. 1150

1. A horse covers a distance of 1500 meters in 1 minute 20 seconds. At what speed the horse is running?

A. 67.2 km/hr

B. 67.7 km/hr

C. 67. 5 km/hr

D. 67.9 km/hr

1. 71. A ladder is leaning against a wall. It makes a 60° angle with the wall. If the distance between foot of ladder and wall is 5.5 meters, find the length of the ladder.

A. 9.5m

B. 10m

C. 10.5m

D. 11m

1. How many times the hands of a clock coincide in a day?

A. 24

B. 22

C. 23

D. 21

1. Find the HCF of 210, 385, and 735.

A. 7

B. 14

C. 21

D. 35

1. Find the missing term of the given expression:

18.834 + 818.34 -? = 618.43

A. 217.644

B. 218.744

C. 217.744

D. 217.844

1. The difference between Simple Interest and Compound Interest on a certain sum of money for 2 years is Rs.200. If the rate of interest is 12 Apti Compound interest43%, what is the sum?

A. Rs. 11800

B. Rs. 12000

C. Rs. 12800

D. Rs. 13000