



SECTION 1 : QUANTITATIVE APTITUDE

1. Simplify the expression using BODMAS rule $(122 + 203) - 564 \div 6 + 12$

- A. 305
- B. 243
- C. 234
- D. 225

Ans: B

2. By dividing 2559 by a certain number, Suresh gets 18 as quotient and 3 as remainder. What is the divisor?

- A.153
- B.133
- C.190
- D.142

Ans: D

3. Rs.5800 is divided among three friends Ram, Ramu, and Rama in such a way that $\frac{1}{6}$ th of Ram's share, $\frac{1}{5}$ th of Ramu's share and $\frac{2}{7}$ th of Rama's share is equal. Find Ram's share.

- A. Rs.980
- B. Rs.1200
- C. Rs.1058
- D. Rs.1140

Ans: B

4. In ABC School, 55% of students are less than 5 years of age. The number of students more than 5 years of age is $\frac{2}{3}$ of number of students of 5 years of age which is 27. What is the total number of students in the ABC School?

- A. 70
- B. 90
- C. 100
- D. 200

Ans: C



5. The population of a town increased from 3,50,000 to 5,25,000 in a decade. The average percent increase of population per year is:

- A. 4.37%
- B. 5%
- C. 6%
- D. 8.75%

Ans: B

6. There are two sections A and B of a class, consisting of 30 and 45 students' respectively. If the average weight of section A is 48kg and that of section B is 38kg, find the average weight of the whole class.

- A. 30 kg
- B. 33 kg
- C. 37kg
- D. 42 kg

Ans: D

7. A dishonest merchant sells his grocery using weights 12% less than the true weights and makes a profit of 20%. Find his total gain percentage.

- A. 34.32%
- B. 36.36 %
- C. 37%
- D. 43.43%

Ans: B

8. I make a profit of 15% by selling an article. What would be the profit percent if it were calculated on the selling price instead of the cost price?

- A. 10.098 %
- B. 13.043%
- C. 30.765%
- D. 16.67%



Ans: B

9. The age of a man is six times the sum of the ages of his two sons. Ten years hence, his age will be double the sum of the ages of his sons. the father's present age is:

- A. 40 years
- B. 45 years
- C. 50 years
- D. 55 years

Ans: B

10. P and Q began business with Rs.6000 and Rs.8000 after 8 months, P withdraws Rs.2000 and Q advances Rs.2000 more. At the end of the year, their profits amounted to Rs.2100 find the share of P.

- A. Rs.240
- B. Rs.650
- C. Rs.800
- D. Rs.480

Ans: C

11. A car traveling with $\frac{3}{4}$ of its actual speed covers 84 km in 2 hrs 38 min. What is the actual speed of the car?

- A. 42.53 km/hr
- B. 54.20 km/hr
- C. 38.93 km/hr
- D. 40.6 km/hr

Ans: A

12. An aeroplane covers a certain distance at a speed of 480 kmph in 7 hours. To cover the same distance in $2\frac{3}{2}$ hours, it must travel at a speed of:

- A. 660 km/hr
- B. 680 km/hr
- C. 730 km/hr
- D. 960 km/hr

Ans: D



13. A jogger running at 18 km/h alongside a railway track in 480 meters ahead of the engine of a 240 meters long train running at 90 km/h in the same direction. In how much time will the train pass the jogger?

- A. 66 s
- B. 72 s
- C. 63 s
- D. 36 s

Ans: D

14. A boat covers a certain distance downstream in 2 hour, while it comes back in $2\frac{1}{2}$ hours. Considering the speed of the stream be 4 kmph, what is the speed of the boat in still water?

- A. 12 kmph
- B. 13 kmph
- C. 20 kmph
- D. None of these

Ans: C

15. Five men can complete a work in 11 days. They started the work and after 3 days, one man left. In how many days will the work be completed by the remaining men?

- A. 10
- B. 13
- C. 7
- D. 11

Ans: A

16. After working for 5 days, Aravind finds that only $\frac{1}{4}$ th of the work has been done. He employs Rakesh who is 60% as efficient as Ashok. How many days more would Rakesh take to complete the work?

- A. 19 days
- B. 16 days
- C. 20 days
- D. 25 days

Ans: D



17. Two pipes A and B can fill a tank in 6 and 4 hours respectively. If they are turned up alternately for one hour each (pipe A opened first), the time taken to fill the tank is?

- A. 2 hrs 15 min
- B. 4 hrs 24 min
- C. 5 hrs
- D. 3 hrs

Ans: C

18. A bag contains 3 white balls, 3 black balls and 4 red balls. In how many ways can 2 balls be drawn from the bag, if at least one black ball is to be included in the draw?

- A. 64
- B. 24
- C. 32
- D. None of these

Ans: B

19. In how many ways can 5 beads can be arranged to form a necklace?

- A. 120
- B. 24
- C. 12
- D. 60

Ans: C

20. The probability of success of three students X, Y and Z in the one examination are $\frac{1}{3}$, $\frac{1}{4}$ and $\frac{1}{7}$ respectively. Find the probability of success of at least two.

- A. $\frac{1}{6}$
- B. $\frac{2}{5}$
- C. $\frac{1}{7}$
- D. $\frac{3}{2}$

Ans: C



21. In a class, 40% of the students offered English, 30% offered Hindi and 10% offered both. If a student is selected at random, what is the probability that he has offered English or Hindi ?

- A. $1/2$
- B. $3/5$
- C. $4/5$
- D. $2/5$

Ans: B

22. Karim invests a certain amount in three different schemes P, Q and R with the rate of interest 10% p.a., 12% p.a. and 13% p.a. respectively. If the total interest that accumulates in one year was Rs. 3200 and the amount he invests in scheme R was 150% of the amount he invests in Scheme P and 240% of the amount he invests in Scheme Q, what was the amount he invests in scheme R?

- A. Rs. 4000
- B. Rs. 5000
- C. Rs. 6000
- D. Rs. 2000

Ans: D

23. What will be the compound interest on a sum of Rs. 40,000 after 3 years at the rate of 12 p.c.p.a.?

- A. Rs. 16005.24
- B. Rs. 16534.25
- C. Rs. 16197.12
- D. Rs. 16202.10

Ans: C

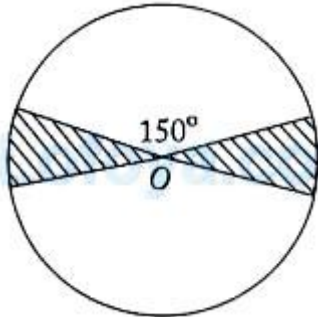
24. The milk and water in two vessels A and B are in the ratio 4:5 and 3:4 respectively. In what ratio the liquids in both the vessels be mixed to obtain a new mixture in vessel c consisting half milk and half water?

- A. 8 : 3
- B. 7 : 5
- C. 9 : 7
- D. 2 : 3



Ans: C

25. If O is the center of the circle above, what fraction of the circular region is shaded?



- A. 1:12
- B. 1:9
- C. 1:6
- D. 1:3

Ans: C

SECTION 2 : LOGICAL REASONING

1. A introduces B saying, "He is the husband of the granddaughter of the father of my father ". How is B related to A?
 - A. Brother
 - B. Brother-in-law
 - C. Son
 - D. Son-in-law

Ans: B

2. A girl walks 5 km toward south and then turns to the right. After walking 3 km she turns to the left and walks 4 km. And then she goes back 10 km straight. Now in which direction is she from the starting place ?
 - A. South-East
 - B. North-West
 - C. South
 - D. North

Ans: B



3. Find the odd one out of the series ? 35, 48, 54, 63, 81, 105

- A. 35
- B. 54
- C. 81
- D. 105

Ans: A

4. Statements: All A are B. No C is A. Some D are C. Some C are E.

Conclusions:

- I. Some B are not D.
- II. Some E are not A.
- A. only I follows
- B. only II follows
- C. either I or II follows
- D. neither I nor II follow
- E. both I and II follow

Ans: B

5. At what time between 4 and 5 o'clock will the hands of a watch point in opposite directions?

- A. $(53 + 7/11)$ past 4
- B. $(54 + 6/11)$ past 4
- C. 54 past 4
- D. $(54 + 8/11)$ past 4

Ans: B

6. Horse : Jockey :: Car : ?

- A. Chauffeur
- B. Steering
- C. Brake
- D. Mechanic

Ans: A

7. Find the missing number in the series? 4, 18, ?, 100, 180, 294, 448

- A. 48
- B. 58
- C. 50
- D. 60



Ans: A

8. If train is called bus, bus is called tractor, tractor is called car, car is called scooter, scooter is called bicycle, bicycle is called moped, which is used to plough a field ?

- A. Train
- B. Tractor
- C. Bus
- D. Car

Ans: D

9. If in a certain language FASHION is coded as FOIHSAN, how is PROBLEM coded in that code?

- A. PELBORM
- B. RPBOELM
- C. PRBOELM
- D. RPBOELM

Ans: A

10. It was Sunday on Jan 1, 2006. What was the day of the week Jan 1, 2010?

- A. Monday
- B. Friday
- C. Sunday
- D. Tuesday

Ans: B

11. In what proportion would Rahul, Karan and Ajay distribute profit among them ?

- I. Rahul gets two-fifth of the profit.
- II. Karan and Ajay have made 75% of the total investment.
- A. If the data in statement I alone are sufficient to answer the question
- B. If the data in statement II alone are sufficient answer the question
- C. If the data either in I or II alone are sufficient to answer the question;
- D. If the data even in both the statements together are not sufficient to answer the question

Ans: D

In a certain code language, '3a, 2b, 7c' means 'Truth is Eternal';



'7c, 9a, 8b, 3a' means 'Enmity is not Eternal' and

'9a, 4d, 2b, 8b' means 'Truth does not perish'.

12. Which of the following means 'enmity' in that language ?

- A. 3a
- B. 7c
- C. 8b
- D. 9a

Ans: C

13. which of the following means 9a?

- A. not
- B. Eternal
- C. Truth
- D. is

Ans: A

14. Which of the following means 'is'?

- A. 7c
- B. 3a
- C. 9a
- D. 8b

Ans: A

15. Odd man out of the series - 15, 19, 27, 38, 55, 75?

- A. 27
- B. 38
- C. 55
- D. 75

Ans: B

16. $6 : 18 :: 4 : ?$

- A. 14
- B. 6



C.8

D. 16

Ans: C

17. If P is the brother of Q; Q is the sister of R; and R is the father of S, how S is related to P?

A. Brother

B. Father

C. Nephew

D. Cannot be determined

Ans: D

18. 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

Ans: C

19. Statements: Some people are intelligent.

All the Intelligent are lazy.

Conclusions Some People are Lazy.

No Intelligent is People.

A. Only (1) conclusion follows

B. Only (2) conclusion follows

C. Both (1)&(2) follows

D. Either (1)&(2) follows

Ans: A



20. One morning Arun and Akhil were talking to each other face to face at a crossing. If Akhil's shadow was exactly to the left of Arun, which direction was Arun facing?

- A. East
- B. West
- C. North
- D. South

Ans: C

21. 22, 24, 28, ?, 52, 84

- A. 38
- B. 36
- C. 42
- D. 48

Ans: B

22. Suraj ranks seventh from the top and twenty eighth from the bottom in a class. How many students are there in the class?

- A. 34
- B. 36
- C. 33
- D. 30

Ans: A

23. Rajesh put his timepiece on the table in such a way that at 6 P.M. hour hand points to North. In which direction the minute hand will point at 9.15 P.M. ?

- A. South
- B. North
- C. South-East
- D. West

Ans: D



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24. 152, 124, 96, 69, 40.....Find the odd man out?

- A. 96
- B. 69
- C. 124
- D. 40

Ans: B

25. Minute is to hour as second is to

- A. Milli seconds
- B. Minute
- C. Hour
- D. All the above

Ans: B