

## Quantitative Aptitude

- 1) A sum of money amounts to Rs 6690 after 3 years and to Rs 10035 after 6 years on compound interest. The sum is :
- a)Rs. 4400
  - b)Rs. 4445
  - c)Rs. 4460(a)
  - d)Rs. 4520
- 2) A sum of money placed at compound interest doubles itself in 5 years. In how many years , it would amount to 8 times of itself at the same rate of interest ?
- a)7 years
  - b)10 years
  - c)15 years(a)
  - d)20 years
- 3) A sum amounts to Rs 2916 in 2 years and Rs 3149. 28 in 3 years at compound interest . The sum is
- a)Rs. 1500
  - b)Rs. 2000
  - c)Rs. 2500(a)
  - d)Rs. 3000
- 4) A sum of money amounts to Rs 9680 in 2 years and Rs 10648 in 3 years. The rate of interest per annum , is
- a)5%
  - b)10%(a)
  - c)15%
  - d)20%
- 5) A sum is invested at compound interest payable annually. The interest in two successive years was Rs 500 and Rs 540. The sum is :
- a)Rs. 3750
  - b)Rs. 5000
  - c)Rs. 5600
  - d)Rs. 6250(a)
- 6) The compound interest on a certain sum of money for 2 years at 10% per annum is Rs 420. The simple interest on the same sum at the same rate and for the same time will be :
- a)Rs. 350
  - b)Rs. 375
  - c)Rs. 380
  - d)Rs. 400(a)

7) The banker's discount on a sum of money is Rs 72 and the true discount on the same sum for the same time is Rs 60. The sum due is :

- a)Rs. 360(a)
- b)Rs. 432
- c)Rs. 540
- d)Rs. 1080

8) The banker's discount on Rs 1600 at 15% p.a. is the same as the true discount on Rs 1680 for the same time and at the same rate. The time is :

- a)3 months
- b)4 months(a)
- c)6 months
- d)8 months

9) The present worth of a sum due sometime hence is Rs 576 and the banker's gain is Rs 16. The true discount is

- a)Rs. 36
- b)Rs. 48
- c)Rs. 72
- d)Rs. 96(a)

10) The banker's gain on a sum due 3 years hence at 12% p.a. is Rs 270. The banker's discount is :

- a)Rs. 960
- b)Rs. 840
- c)Rs. 760
- d)Rs. 1020(a)

11) The banker's discount on a bill due 4 months hence at 15% p.a. is Rs 420. The true discount is :

- a)Rs. 400(a)
- b)Rs. 360
- c)Rs. 480
- d)Rs. 320

12) A man walking at 3 km/hr crosses a square field diagonally in 2 minutes. The area of the field is :

- a)25 ares
- b)30 ares
- c)50 ares(a)
- d)60 ares

13) If a train runs at 40 km/hr, it reaches its destination late by 11 minutes. But, if it runs at 50 km/hr, it is late by 5 minutes only. The correct time for the train to cover its journey, is :

- a)13 min
- b)15min
- c)19 min(a)
- d)21 min

14) A man on tour travels first 160 km at 64 km/hr and the next 160 km at 80 km/hr . The average speed for the whole journey is :

- a)35.55 km/hr
- b)71.11 km/hr(a)
- c)36 km/hr
- d)72 km/hr

15) Excluding stoppages, the speed of a bus is 54 km/hr and including stoppages, It is 45 km/hr. For how many minutes does the bus stop per hour ?

- a)9 min
- b)10 min(a)
- c)12 min
- d)20 min

16) A train covers a distance in 50 minutes , if it runs at a speed of 48 km/hr on an average. The speed at which the train must run to reduce the time of journey to 40 minutes , will be :

- a)50 km/hr
- b)55 km/hr
- c)60 km/hr(a)
- d)70 km/hr

17) A train travelled distances of 10 km, 20 km and 30 km at speeds of 50 km/hr, 60 km/hr and 90 km/hr respectively. The average speed of the train was

- a)60 km/hr
- b)66.67 km/hr
- c)69.23 km/hr(a)
- d)60 km/hr

18) A certain distance is covered at a certain speed. If half of this distance is covered in double the time, the ratio of the two speeds is :

- a)4:1(a)
- b)1:4
- c)2:1
- d)1:2

19) Two trains approach each other at 30 km/hr and 27 km/hr from two places 342 km apart. After how many hours will they meet ?

- a) 5 hours
- b) 6 hours(a)
- c) 7 hours
- d) 12 hours

20) A, B and C completed a piece of work costing Rs 1800. A worked for 6 days, B for 4 days and C for 9 days. If their daily wages are in the ratio 5:6:4, how much amount will be received by A ?

- a) Rs. 800
- b) Rs. 600(a)
- c) Rs. 900
- d) Rs. 750

21) 10 women can complete a work in 7 days and 10 children take 14 days to complete the work. How many days will 5 women and 10 children take to complete the work ?

- a) 3
- b) 5
- c) 7(a)
- d) Cannot be determined
- e) None of these

21) A works twice as fast as B. If both of them can together finish a piece of work in 12 days, then B alone can do it in

- a) 24 days
- b) 27 days
- c) 36 days(a)
- d) 48 days

4) A alone can finish a work in 10 days which B alone can finish in 15 days. If they work together and finish it, then out of a total wages of Rs 3000, A will get :

- a) Rs. 1200
- b) Rs. 1500
- c) Rs. 1800(a)
- d) Rs. 2000

22) A man undertakes to do a piece of work for Rs 4000. One alone can do it in 6 days, the other in 8 days. With the help of a boy, they finish it in 3 days. The boy's share is :

- a) Rs. 400
- b) Rs. 500(a)
- c) Rs. 600
- d) Rs. 800

23) A and B undertook to do a piece of work for Rs 4500. A alone could do it in 8 days and B alone in 12 days. With the assistance of C, they finished the work in 4 days. C's share of money is :

- a)Rs. 375
- b)Rs. 750(a)
- c)Rs. 1500
- d)Rs.2250

24)If 12 men and 16 boys can do a piece of work in 5 days; 13 men and 24 boys can do it in 4 days, then the ratio of the daily work done by a man to that of a boy, is :

- a)2:1(a)
- b)3:1
- c)3:2
- d)5:4

25)10 men can finish a piece of work in 10 days, whereas it takes 12 women to finish it in 10 days. If 15 men and 6 women undertake to complete the work, how many days will they take to complete it ?

- a)2
- b)4
- c)5(a)
- d)11

26)8 children and 12 men complete a certain piece of work in 9 days. If each child takes twice the time taken by a man to finish the work, in how many days will 12 men finish the same work ?

- a)8
- b)15
- c)9
- d)12(a)

27)4 men and 6 women finish a job in 8 days while 3 men and 7 women finish it in 10 days. 10 women working together will finish it in

- a)24 days
- b)32 days
- c)36 days
- d)40 days(a)

28)Ram and shyam together can finish a job in 8 days. Ram can do the same job on his own in 12 days. How long will shyam take to do the job by himself ?

- a)16 days
- b)20 days
- c)24 days(a)
- d)30 days

29) 3 men or 5 women can do a work in 12 days. How long will 6 men and 5 women take to finish the work ?

- a) 4 days(a)
- b) 10 days
- c) 15 days
- d) 20 days

30) A can do a piece of work in 20 days which B can do in 12 days. B worked at it for 9 days. A can finish the remaining work in :

- a) 3 days
- b) 5 days(a)
- c) 7 days
- d) 11 days

31) A can do a piece of work in 24 days while B alone can do it in 16 days. With the help of C, they can finish the work in 8 days. C alone can do the work in

- a) 32 days
- b) 36 days
- c) 40 days
- d) 48 days(a)

32) A can do a piece of work in 10 days and B can do it in 20 days. They start the work together . But , after 5 days, A leaves off. B will do the remaining work in

- a) 5 days(a)
- b) 6 days
- c) 8 days
- d) 10 days