Aptitute- MCQ Test

Diploma in Advance Computing

1. A number exceeds by 25 from its 3/8 part. Then the number is?

A. 32 B. 35 C. 39 **D. 40**

2. Difference between two numbers is 5, six times of the smaller lacks by 6 from the four times of the greater. Find the numbers?

A. 12,9 B. 10,5 **C. 12,7** D. 11,6

3. The smallest number when increased by " 1 " is exactly divisible by 12, 18, 24, 32 and 40 is:

**A. 1439** B. 1440 C. 1459 D. 1449

4. A heap of coconuts is divided into groups of 2, 3 and 5 and each time one coconut is left over. The least number of Coconuts in the heap is?

**A. 31** B. 41 C. 51 D. 61

5. "Find the one which does not belong to that group ? 525, 39, 24, 426, 636"

A. 525 B. 39  **C. 426** D. 24

6. "Find the one which does not belong to that group ? 11, 28, 327, 416, 5125"

A. 11 B. 5125  **C. 416** D. 327

7. " Find the one which does not belong to that group ? PMS, ROU, GDJ, KIM, EBH"

A. PMS B. ROU **C. GDJ** D. KIM

8. "Find the one which does not belong to that group ?ABB, BCC, CCCDDDD, BBCCC, DDDDEEEEE"

A. ABB **B. BCC** C. CCCDDDD D. BBCCC

9. Two trains of equal length, running with the speeds of 60 and 40 kmph, take 50 seconds to cross each other while they are running in the same direction. What time will they take to cross each other if they are running in opposite directions?

**A. 10 sec** B. 9 sec C. 8 sec D. 7 sec

10. Two trains travelling in the same direction at 40 and 22 kmph completely pass off another in 1 minute. If the length of the first train is 125 m, what is the length of the second train?

A. 125 m B. 150 m **C. 175 m** D. 185 m

11. A train 100 meters long completely crosses a 300 meters long bridge in 45 seconds. What is the speed of the train is?

**A. 32 kmph** B. 36 kmph C. 40 kmph D. 48 kmph

12. A can do a piece of work in 30 days. He works at it for 5 days and then B finishes it in 20 days. In what time can A and B together it?

A. 16 2/3 days **B. 13 1/3 days** C. 17 1/3 days D. 16 1/2 days

13. A can do a job in 18 days and B can do it in 30 days. A and B working together will finish twice the amount of work in ------- days?

A. 21 ½ days **B. 22 ½ days** C. 23 ½ days D. 12 ½ days

14. A can do a piece of work in 10 days and B can do it in 15 days and C can do it 20 days. They started the work together and A leaves after 2 days and B leaves after 4 days from the beginning. How long will work lost?

A. 8 2/3 days B. 9 2/3 days **C. 10 2/3 days** D. 10 days

15. After working for 6 days, Ashok finds that only 1/3 rd of the work has been done. He employs Ravi who is 60% as efficient as Ashok. How many days more would Ravi take to complete the work?

A. 19 days B. 10 days **C. 20 days** D. 12 days

16. What number has a 5:1 ratio to the number 10?

A. 55 **B. 50** C. 2 D. 62

17. The inverse ratio of 3: 2: 1 is?

A. 1:2:3 B. 2:3:1 C. 3:1:2 **D. 2:3:6**

18. The ratio of the number of ladies to gents at a party was 1:2 but when 2 ladies and 2 gents left, the ratio became 1:3. How many people were at the party originally?

A. 36 B. 24 **C. 12** D. 6

19. A 70 cm long wire is to be cut into two pieces so that one piece will be 2/5th of the other, how many centimeters will the shorter piece be?

A. 10 **B. 20** C. 25 D. 30

20. 96 is divided into two parts in such a way that seventh part of first and ninth part of second are equal. Find the smallest part?

A. 38 B. 40 **C. 42** D. 48

21. 1000 men have provisions for 15 days. If 200 more men join them, for how many days will the provisions last now?

A. 10.5 B. 11.5 **C. 12.5** D. 10.4

22. The marks obtained by Vijay and Amith are in the ratio 4:5 and those obtained by Amith and Abhishek in the ratio of 3:2. The marks obtained by Vijay and Abhishek are in the ratio of?

A. 2:1 B. 5:3 C. 5:6 **D. 6:5**

23. Find the principle on a certain sum of money at 5% per annum for 2 2/5 years if the amount being Rs.1120?

A. 1000 B. 1100 **C. 1050** D. 1200

24. If rupee one becomes rupees nine over a period of 40 years, find the rate of simple interest?

A. 0.2 B. 0.15 **C. 0.1** D. 0.225

25. A certain sum of money doubles itself in 10 years in how much many years will it trible itself at the same rate?

A. 20 Years B. 15 Years  **C. 30 Years** D. 17.5 Years

26. The average age of a husband and a wife is 23 years when they were married five years ago but now the average age of the husband, wife and child is 20 years(the child was born during the interval). What is the present age of the child?

A. 1 B. 2 C. 3 **D. 4**

27. In a hostel there were 100 students. To accommodate 20 more students the average is decreased by rupees 5. But total expenditure increased by Rs.400. Find the total expenditure of the hostel now?

A. 5000 B. 4600 **C. 5400** D. 2300

28. Visitors to show were charged Rs.15 each on the first day. Rs.7.50 on the second day, Rs.2.50 on the third day and total attendance on the three days were in ratio 2:5:13 respectively. The average charge per person for the whole show is?

A. 3 B. 4.5 **C. 5** D.7.5

29. A building contractor employs 20 male, 15 female and 5 child workers. To a male worker he pays Rs.25 per day, to a female worker Rs.20 per day and a child worker Rs.8 per day. The average wage per day paid by the contractor is?

A. 20 **B. 21** C. 22 D. 23

30. The average weight of 25 persons sitting in a boat had some value. A new person added to them whose weight was 46 kg only. Due to his arrival, the average weight of all the persons decreased by 5 kg. Find the average weight of first 25 persons?

A. 55 kg B. 62 kg C. 56 kg **D. 60**

31. (51+52+53+………+100) is equal to:

A. 2525 B. 2975 C. 3225 **D. 3775**

32. "The value of P, when 4864 x 9P2 is divisible by 12, is:"

A. 2 B. 5 C. 8 **D. 1**

33. On dividing a number by 999, the quotient is 366 and the remainder is 103. The number is:

A. 364724 B. 365387 **C. 365737** D. 366757

34. A number when divided by 6 leaves a remainder 3. When the square of the same number is divided by 6, the remainder is:

A. 0 B. 1 C. 2 **D. 3**

35. A number when divided by 3 leaves a remainder 1. When the quotient is divided by 2, it leaves a remainder 1. What will be the remainder when the number is divided by 6?

A. 2 B. 3 **C. 4** D. 5

36. "Nine persons went to a hotel for taking their meals. Eight of them spent Rs 12 each on their meals and the ninth spent Rs.8 more than the average expenditure of all the nine. What was the total money spent by them? "

**A.117** B. 180 C. 150 D. 200

37. " In seven given numbers, the average of first four numbers is 4 and that of the last four numbers is also 4. If the average of these seven numbers is 3, the fourth number is"

A. 3 B. 4 C. 7 **D. 11**

38. The average weight of 29 students is 28 kg. By the admission of a new student, the average weight is reduced to 27.8 kg. The weight of the new student is

**A. 22** B. 21.6 C. 22.4 D.21

39. A solution of 66 litres contains milk and water in the ratio 7:x. If four litres of water is added to the solution, the ratio becomes 3:2, find the value of x?

A. 8 B. 5 C. 3 **D. 4**

40. A mixture of 20 kg of spirit and water contains 10% water. How much water must be added to this mixture to raise the percentage of water to 25%.

**A. 4 Kg**  B. 5 Kg C. 8 Kg D. 30 Kg

41. The average of 5 quantities is 6. The average of 3 of them is 8. What is the average of the remaining two numbers?

A. 6.5 B. 4 **C. 3**  D. 2.5

42. On an article ,the manufacturer gains 10%, the wholesale dealer 15%, and the retailer 25%, If its retail price is 1265, what is the cost of its production?

A. 1000 **B. 800** C. 1100 D. 900

43. A retailer sold two articles at a profit percentage of 10% each. The cost price of one article is three – fourth that of the other. Find the ratio of the selling price of the dearer article to that of the cheaper one .

**A. 4:3** B. 3:4 C. 41:31 D. 51:41

44. "A single discount equivalent to a series of 30%, 20%, and 10% is"

A. 50% **B. 49.6%** C. 49.4% D. 51%

45. A merchant marks his goods in such a way that the profit on sale of 50 articles is equal to the selling price of 25 articles. What is his profit margin?

A. 25%  B. 50%    **C. 100%**     D. 66.67%

46. "A merchant marks his goods up by 75% above his cost price. What is the maximum % Amount that he can offer so that he ends up selling at no profit or loss?"

A. 75% B. 46.67% C. 300%  **D. 42.85%**

47. How many terms are there in 2,4,8,16,………..1024?

**A. 10** B. 6 C. 9 D .8

48. Find the number of terms in an arithmetic progression with the first term 2 and the last term being 62, given that common difference is 2.

**A. 31** B. 40 C. 22 D. 27

49. "The first term of an arithmetic progression is 3 and the 10 th term is 21. Find 15 th and 22 nd terms. "

A. 21,35 **B. 31,45** C. 30,46 D. 29,40

50. "The 5 th term and 21 st term of a series in A.P are 10 and 42 respectively. Find the 31 st term. "

A. 50 B. 55 C. 65 **D. 62**

51. " If each side of a square is increased by 50%, the ratio of the area of the resulting square to the area of the given square is:"

A. 5:4 B. 9:4 C. 4:5 **D. 4:9**

52. A man walking at the speed of 4 kmph crosses a square field diagonally in 3 minutes. The area of the field is:

A. 18000 Sq M **B. 20000 Sq M** C. 19000 Sq M D. 25000 Sq M

53. A circular road runs round a circular ground. If the difference between the circumferences of the outer circle and inner circle is 66 metres, the width of the road is:

A. 5.25m B. 7m C. 10.5m  **D. 21m**

54. Find the area of a trapezium whose parallel sides are 20 cm and 18 cm long, and the distance between them is 15 cm.

A. 225 cm2 B. 275 cm2 **C. 285 cm2** D. 315 cm2

55. If the speed of a man is 45 km per hour, then what is the distance traveled by him in 30 seconds?

A. 275m B. 360m **C. 375 m**  D. 420 m

56. A man and a woman 81 miles apart from each other, start traveling towards each other at the same time. If the man covers 5 miles per hour to the women's 4 miles per hour, how far will the woman have travelled when they meet?

A. 27 **B. 36** C. 45 D. 40

57. A can do a work in 14 days and working together A and B can do the same work in 10 days. In what time can B alone do the work?

A. 25 days B. 30 days C. 23 days **D. 35 days**

58. Ram, who is half as efficient as Krish, will take 24 days to complete a work if he worked alone. If Ram and Krish worked together, how long will they take to complete the work?

A. 16 days B. 12 days **C. 8 days** D. 18 days

59. Ram starts working on a job and works on it for 12 days and completes 40% of the work. To help him complete the work, he employs Ravi and together they work for another 12 days and the work gets completed. How much more efficient is Ram than Ravi?

A. 50% B. 200% C. 60% **D. 100%**

60. A red light flashes 3 times per minute and a green light flashes 5 times in two minutes at regular intervals. If both lights start flashing at the same time, how many times do they flash together in each hour?

**A. 30** B. 24 C. 20 D. 60