

GRAND TEST

Read each item carefully. Here You Have 50 Questions Containing Arithmetic Aptitude, Reasoning, Verbal Ability in a balanced mix.

Questions:-

- (TCS)** A man travels 240 km by car at a speed of 80 km/h and another 160 km by train at a speed of 40 km/h. What is his average speed for the entire journey?
 - a) 60 km/h
 - b) 70 km/h
 - c) 65 km/h
 - d) 50 km/h
- (IBM)** In a class of 40 students, 20% are girls. How many boys are there in the class?
 - a) 32
 - b) 30
 - c) 28
 - d) 25
- (Infosys)** What is the next number in the series: 5, 11, 17, 23, ...?
 - a) 28
 - b) 29
 - c) 30
 - d) 31
- (Accenture)** If 12 men can complete a piece of work in 18 days, how many days will 8 men take to complete the same work?
 - a) 27
 - b) 20
 - c) 24
 - d) 30
- (Wipro)** A person spends 70% of his salary. If he saves ₹4,500, what is his total salary?
 - a) ₹12,000
 - b) ₹13,500
 - c) ₹15,000

- d) ₹10,000
6. **(TCS)** If A and B together can complete a task in 12 days and B alone can do it in 20 days, how long will A alone take to complete the task?
- a) 30 days
 - b) 25 days
 - c) 15 days
 - d) 10 days
7. **(IBM)** Find the missing term in the sequence: 3, 8, 15, 24, ___?
- a) 33
 - b) 35
 - c) 37
 - d) 36
8. **(Infosys)** What is the value of $144 + 169\sqrt{144} + \sqrt{169}144 + 169$?
- a) 26
 - b) 25
 - c) 24
 - d) 23
9. **(Accenture)** A man sold a table for ₹1,500, gaining 20%. What was the cost price of the table?
- a) ₹1,200
 - b) ₹1,250
 - c) ₹1,300
 - d) ₹1,350
10. **(Wipro)** What is the smallest prime number?
- a) 1
 - b) 2
 - c) 3
 - d) 5
11. **(TCS)** If the simple interest on ₹5,000 for 2 years is ₹600, what is the rate of interest?
- a) 6%
 - b) 8%
 - c) 7%
 - d) 9%
12. **(IBM)** If $5x+2=17$, $5x+2=17$, what is the value of x ?
- a) 2
 - b) 3

- c) 5
- d) 4

13. **(Infosys)** How many days are there in a leap year?

- a) 365
- b) 366
- c) 367
- d) 364

14. **(Accenture)** What is the least common multiple (LCM) of 4, 6, and 8?

- a) 12
- b) 24
- c) 36
- d) 48

15. **(Wipro)** A train travels 120 km in 3 hours. What is its speed?

- a) 40 km/h
- b) 50 km/h
- c) 60 km/h
- d) 70 km/h

16. **(TCS)** What is 45% of 200?

- a) 80
- b) 90
- c) 95
- d) 100

17. **(IBM)** If the perimeter of a square is 40 cm, what is the length of one side?

- a) 5 cm
- b) 8 cm
- c) 10 cm
- d) 12 cm

18. **(Infosys)** What is the area of a triangle with base 10 cm and height 12 cm?

- a) 50 cm²
- b) 60 cm²
- c) 120 cm²
- d) 80 cm²

19. **(Accenture)** How many seconds are there in 1 hour?

- a) 3,600
- b) 3,000
- c) 2,400

- d) 6,000

20. **(Wipro)** Which number is both a square and a cube?

- a) 4
- b) 64
- c) 8
- d) 16

21. **(TCS)** If the circumference of a circle is 44 cm, what is the radius of the circle? (Use $\pi = \frac{22}{7}$)

- a) 7 cm
- b) 14 cm
- c) 11 cm
- d) 10 cm

22. **(IBM)** The average of five numbers is 50. If one of the numbers is 60, what is the average of the other four numbers?

- a) 47.5
- b) 50
- c) 45
- d) 48

23. **(Infosys)** A car travels 300 km using 20 liters of fuel. How many liters of fuel will it need to travel 450 km?

- a) 25 liters
- b) 30 liters
- c) 35 liters
- d) 40 liters

24. **(Accenture)** Find the least number which when divided by 6, 8, and 12 leaves a remainder of 4.

- a) 60
- b) 56
- c) 52
- d) 48

25. **(Wipro)** If $\frac{2}{3}$ of a number is 24, what is the number?

- a) 30
- b) 36
- c) 40
- d) 48

26. **(TCS)** If the sum of two numbers is 80 and their difference is 20, what is the larger number?

- a) 40
- b) 50
- c) 60
- d) 70

27. **(IBM)** If the square root of xxx is 15, what is the value of xxx?

- a) 225
- b) 250
- c) 240
- d) 200

28. **(Infosys)** What is 30% of 450?

- a) 135
- b) 130
- c) 140
- d) 120

29. **(Accenture)** The ratio of boys to girls in a class is 5:3. If there are 40 students, how many girls are there?

- a) 15
- b) 18
- c) 20
- d) 24

30. **(Wipro)** A man bought an item for ₹750 and sold it for ₹900. What was his profit percentage?

- a) 10%
- b) 15%
- c) 20%
- d) 25%

31. **(TCS)** A is the father of B, but B is not the son of A. What is the relationship between B and A?

- a) Daughter
- b) Sister
- c) Mother
- d) Brother

32. **(IBM)** Find the odd one out: 16, 25, 36, 49, 64, 81, 100

- a) 25
- b) 36
- c) 49
- d) 81

33. **(Infosys)** If all the vowels are removed from the word "PROGRESS", what will be left?
- a) PRGRSS
 - b) PRGR
 - c) PRGS
 - d) PGRSS
34. **(Accenture)** John is older than Peter but younger than Sam. Who is the oldest?
- a) John
 - b) Peter
 - c) Sam
 - d) Cannot be determined
35. **(Wipro)** Which is the middle term in the series: 3, 6, 9, 12, 15, 18, 21?
- a) 9
 - b) 12
 - c) 15
 - d) 18
36. **(TCS)** If 3 pens cost ₹18, how much will 5 pens cost?
- a) ₹25
 - b) ₹30
 - c) ₹35
 - d) ₹40
37. **(IBM)** In a code language, "ROAD" is written as "URDG." How will "BEAR" be written in that language?
- a) EDCU
 - b) DCGU
 - c) CGDU
 - d) FCGV
38. **(Infosys)** If $A + B$ means A is the mother of B, $A - B$ means A is the brother of B, and $A * B$ means A is the son of B, what does $P * Q + R$ mean?
- a) P is the son of R
 - b) P is the son of Q, who is the mother of R
 - c) R is the brother of P
 - d) R is the mother of P
39. **(Accenture)** Which of the following is the largest fraction?
- a) $23\frac{2}{3}$
 - b) $35\frac{3}{5}$
 - c) $47\frac{4}{7}$
 - d) $59\frac{5}{9}$
40. **(Wipro)** If a clock shows 3:15, what is the angle between the hour and minute hands?
- a) 7.5°

- b) 15°
- c) 22.5°
- d) 30°

41. (TCS) If $x=3y$ and $2x-y=8$, find the value of y .

- a) 2
- b) 3
- c) 4
- d) 5

42. (IBM) How many diagonals can be drawn in a hexagon?

- a) 6
- b) 9
- c) 12
- d) 15

43. (Infosys) Find the odd one out: 12, 18, 24, 27, 30, 36

- a) 18
- b) 27
- c) 30
- d) 36

44. (Accenture) If 25% of a number is 60, what is the number?

- a) 200
- b) 240
- c) 300
- d) 250

45. (Wipro) Choose the word that is the opposite of "ABUNDANT."

- a) Scarce
- b) Plenty
- c) Generous
- d) Sufficient

46. (TCS) In a family of six members A, B, C, D, E, and F, there are two married couples. F is a lawyer and married to A, who is a teacher. C is married to E, who is a doctor. B is the daughter of A. How is E related to B?

- a) Uncle
- b) Aunt
- c) Brother-in-law
- d) Father

47. (IBM) If "EXAM" is coded as "GZCO," how is "TEST" coded?

- a) VGUV
- b) VGUU
- c) UHUU
- d) VGTU

48. **(Infosys)** Choose the option that is the most similar in meaning to "METICULOUS."

- a) Careless
- b) Diligent
- c) Lazy
- d) Inattentive

49. **(Accenture)** If 10 workers can build a wall in 15 days, how many workers are needed to build it in 10 days?

- a) 20
- b) 15
- c) 10
- d) 5

50. **(Wipro)** The price of an item is increased by 15% and then decreased by 10%. What is the net percentage change in the price?

- a) 5% increase
- b) 4.5% increase
- c) 4% increase
- d) 3.5% increase

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