

Question pattern

There are four rounds of test.

Two written test (aptitude & tech in (either of c or c++ or java or cobol or ASP or VB or oracle PL/SQL)) and two rounds of

interviews (tech & HR)

This test is for 1 hour with 40 questions.

The answers from 1 to 40 are respectively

B, C, B, A, B, D, A, A, B, D, C, B, A, B, A, C, D, C, C, D, D, B, A, D, C, A, B, A, D, D, D, A, A, D, A, B, A, B, B (doubt), A.

1. An aircraft is flying at a height of 3000m from the ground at an average speed of 400 km/hr while descending. It has to travel 5 kms before it can touch down the runway and start operating its break system. It will take less than 10 seconds to reach the touch down point. How far it is from the touch down point if it had been on the ground.

a) 5 kms b) 4 kms c) 3 kms d) none of these
2. Water is continuously poured from a reservoir to a locality at the steady rate of 10,000 litres per hour. When delivery exceeds demand the excess water is stored in a tank. If the demand for 8 consecutive three-hour periods is 10000, 10000, 45000, 25000, 40000, 15000, 60000 and 35000 litres respectively, what will be the minimum capacity required of the water tank (in 1000 litres) to meet the demand?

a) 10 b) 30 c) 40 d) 50 ans: c) 40
3. Jhaveri invested in Upendra & Upendra, Celco and Winger shares at Rs. 300, Rs. 200 and Rs. 5 per share respectively. He bought 100 shares for Rs. 1000. The number of Upendra & Upendra and Celco shares he bought are respectively

a) 23, 17 b) 17, 23 c) 17, 60 d) 15, 25

ans: b) 17, 23
4. A certain organization has three committees. Only two persons are members of all committees, but every pair of committees has three members in common. What is the least possible number of members on any one committee?

a) 4 b) 5 c) 6 d) none of these.

ans: a) 4
5. One bottle is half-full of oil and another bottle with twice the capacity is one quarter full of oil. If water is added so that both the bottles are full and the contents of both are then poured into a third bottle that is empty and large enough to hold the contents of both, what fraction of the contents in the third bottle is oil?

a) 1/4 b) 1/3 c) 3/8 d) 2/3

ans: b) 1/3
6. Don and his wife each receive an 8 percent annual raise. If Don receives a raise of Rs. 800 and his wife receives a raise of Rs. 840, what is the difference between their annual income after their raises?

a) 40 b) 460 c) 500 d) 540

ans: d) 540
7. If $x + y + z = 9$ and both y and z are positive integers greater than zero, then the maximum value x can take is? a) 7 b) 3 c) 8 d) data insufficient ans: a) 7
8. If 5 tomatoes are worth 8 oranges, 5 oranges are worth 4 apples, 7 apples are worth 3 pineapples and 7 pineapples cost Rs. 203, then the approximate price of each tomato is? a) 16 b) 5 c) 19 d) none of these

ans: a) 16
9. In the relation $x > y + z$, $x + y > p$ and $z < p$ which of the following is necessarily true? a) $y > p$ b) $x + y > z$ c) $y + p > x$ d) insufficient data

ans: b) $x + y > z$

10. If x, y, z are three +ve integers such that x is greater than y and y is greater than z , then which of the following is definitely true?
- $x\%$ of y is greater than $y\%$ of z
 - $y\%$ of x is greater than $z\%$ of y
 - $z\%$ of x is greater than $y\%$ of z
 - all of these (ans)
11. Mar, Akbar, Antony eat lunch at the same restaurant everyday. if Mar orders a dosa, then Akbar also orders a dosa. either Akbar or Antony always orders a dosa, but never at the same lunch. either Mar or Antony or both order a dosa. if Antony orders a dosa, then Mar also orders a dosa. you can conclude that:
- Mar, Akbar, Antony always order a dosa.
 - Mar and Antony sometimes order a dosa, Akbar never does.
 - Mar and Akbar always order a dosa, Antony never does. (ANS)
 - Mar and Antony always order a dosa, Akbar never does.
12. Ramesh, Ram, Kareem and Mohan collected coins of different countries. they collected 100 together. none collected less than 10. each collected an even number. each collected a different number. based on these, we can say that the number of coins collected by the boy who collected the most could not have exceeded
- 54
 - 64 (ans)
 - 58
 - 60
13. Let p, q, r and s be four statements such that: if p is true, then q is true; if q is true, then r is true and if s is true, then at least one of q and r is false. then it follows that:
- if p is true then s is false. (ans)
 - if s is false both q and r are true.
 - if at least one of q and r is false then s is false.
 - if q is true then s is true.
14. Players a to z play a league match in which every player plays a match against every other player. a win earns 2 points, a draw 1 point and loss 0 points. there were no draws, and no two players had the same total points. the rank list of the players happens to be the alphabetical list itself. which of the following statement is true?
- n wins over m
 - m wins over n (ans)
 - m did not play against n
 - none
15. An article costing rs. 160 is sold at 15% discount on a Mark-up price. what is the selling price after discount?
- 170 (ans)
 - 200
 - 150
 - 220
16. If Jacob sold a watch costing rs. 400 to John at 15% profit and John sold the same to Sudhir at 15% profit, what is the price paid by Sudhir?
- 460
 - 510
 - 529 (ans)
 - 560
17. In a shop 80% of the articles are sold at a profit of 10% and the remaining at a loss of 40%. what is the overall profit/loss?
- 10% profit
 - 10% loss
 - 15% profit
 - no profit, no loss (ans)
18. If an article with Marked price of rs. 400 is sold at successive discount of 10%, 25% and 15%, what is the price the customer has to pay?
- 360
 - 300
 - 230 (ans)
 - 270
19. The sides of a triangle are in the ratio 3:5:7. if the perimeter is 60 cms, the longest side is
- 7
 - 30
 - 28 (ans)
 - 14
20. An article with cost price of 180 is sold at 15% profit. what is the selling price?
- 198
 - 200
 - 204
 - 207 (ans)
21. What part of x^2 is $x^{2/3}$?
 - 60%
 - 66.7%
 - 69%
 - can't say (ans)
22. 15% of 75 is the same as $v\%$ of 450. find x .
 - 1
 - 2.5 (ans)
 - 3
 - 5

23. If the selling price of an object is rs.2300 and the profit percent is 15, what is the cost price?
a.1995(ans) b.1945 c.2000 d.2645
24. 24.70% of x is greater than $\frac{1}{3}$ rd of x by 110. what is x? a.100 b.200 c.300 d.350(ans)
25. The age of a and b are in the ratio 4:5 and of b and c in the ratio 3:2. the youngest of three is
a.a b.b c.c(ans) d.can't say
26. A man buys postage stamps of denomination of 30ps. and 50 ps. for rs.10.00. he buys 22 stamps in all. find the no of 30ps. stamps bought by him. a.5(ans) b.6 c.17 d.8
27. The ages of a and b are in the ratio 9:4. after 7 years the ratio of their ages will be 5:3. find b's present age. "
a.18 b.8(ans) c.7 d.16
28. If 28 is divided into two parts such that one fourth of the greater part is equal to one third of the lesser part, then the greater part is a.16(ans) b.18 c.20 d.24
29. A man and a woman, walking together start out by both taking a step with the left foot. in order to keep together, the man whose stride is longer, takes two steps while the woman takes three. how many steps will the woman have taken they are both about to step out on the right foot for the first time together?
30. For communicating with its satellite, NASA has only two codes is equal to 2 and \leq is equal to 3. whenever the two symbols appear together the value is taken as sum of each symbol. for example $\leq \leq = **$ is equal to $3+3+2+2+2=12$. which of the following is equal to $\leq \leq \leq = **$ minus $\leq **$? a. $\leq = *$ b. $\leq = **$ c. $\leq = ****$ d. $\leq \leq =$ (ans)
31. If I sell two articles, one at 20% profit for rs.100 and the other at 20% loss for rs.100, what is my net profit/loss?
a.4.16 profit b.4.16 loss c.8.33 profit d.8.33 loss(ans)
32. If 85% of the population of an ant colony is red, and of these 45% are females, then what % of the total ant population are male red ants?
a.46.75(ans) b.40 c.33.66 d.66.66
33. What is the cost price of an article sold at rs.199 after two successive discounts of 10% and 15%?
a.260(ans) b.200 c.234 d.220
34. If A and B can do a piece of work in 10 days and A alone can do it in 15 days, how long will B take to do it?
a.25 b.20 c.15 d.30
35. If 12 men working 2 hours a day take 10 days to complete a job, how long will 8 men working 6 hours a day take to do the same work?
a.5(ans) b.8 c.12 d.3
36. A mixture contains spirit and water in the ratio 5:1. another mixture contains spirit and water in the ratio 2:1. what is the ratio in which two mixtures are added to get the mixture in the ratio 5:2
a.5:2 b.2:5(ans) c.2:7 d.3:2
37. $x:y=7:11$, $y:z=1:7$. what is the least possible integral value of x given that z is $11x$.
a.3(ans) b.9 c.7 d.10
38. PQRS is a rectangle having area 50. $rx=\frac{1}{4}sr$. what is the area of PQXS?
a.37.5 b.42.5 c.12 d.3
39. What is the area of a circle having the same perimeter as that of a square whose area is 121. ans: 154

