

TCS Smart Hiring Reasoning Ability Placement Question Papers

1. In a certain code 'PLANT' is written as '\$@2*©' and 'YIELD' is written as '? 64@%' . How is 'DELAY' written in that code?

- A. ? 4*2%
- B. ? 4@2%
- C. %42@?
- D. %4@2?
- E. None of these

2. D said, 'A's father is only brother of my sister's son.' How is A's father related to D?

- A. Cousin
- B. Nephew
- C. Aunt
- D. Data Inadequate
- E. None of these

3. Statement: "In order to bring punctuality in our office, we must provide conveyance allowance to our employees." - In charge of a company tells Personnel Manager.

Assumptions:

Conveyance allowance will not help in bringing punctuality.
Discipline and reward should always go hand in hand.

- A. Only assumption I is implicit
- B. Only assumption II is implicit
- C. Either I or II is implicit
- D. Neither I nor II is implicit
- E. Both I and II are implicit

4. If the positions of the first and the second digit within each number are interchanged, which of the following will be the second-highest number?

- A. 632
- B. 783
- C. 576
- D. 895
- E. 394

5. Apartments in the Riverdale Manor cost less than apartments in The Gaslight Commons.
Apartments in the Livingston Gate cost more than apartments in The Gaslight Commons.

Of the three apartment buildings, the Livingston Gate costs the most.
If the first two statements are true, the third statement is

- A. true
- B. false
- C. uncertain

6. How many meaningful English words can be formed with the letters ARILT using each letter only once in that word?

- A. None
- B. One
- C. Two
- D. Three
- E. More than three

7. Ram goes 20 km North, turns clockwise by 135 degrees, and goes for 30 km and then takes right by 90 degrees in the clockwise direction. Which direction is he facing now?

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

8. Statement: "You are hereby appointed as a programmer with a probation period of one year and your performance will be reviewed at the end of the period for confirmation." - A line in an appointment letter.

Assumptions:

The performance of an individual generally is not known at the time of the appointment offer.
Generally an individual tries to prove his worth in the probation period.

- A. Only assumption I is implicit
- B. Only assumption II is implicit
- C. Either I or II is implicit
- D. Neither I nor II is implicit
- E. Both I and II are implicit

9. Rover weighs less than Fido.
Rover weighs more than Boomer.
Of the three dogs, Boomer weighs the least.
If the first two statements are true, the third statement is

- A.true
- B.false
- C.uncertain

10. The first and the second digits of each number given below are interchanged. Then, the first and the last digits of each new number thus formed are interchanged. Which of the following numbers then will be the highest?

- A. 165
- B. 354
- C. 247
- D. 489
- E. 234

11. If the first and second digits of each of the numbers are added the resulting sum of which of the following numbers will not be exactly divisible by 3?

- A. 895
- B. 394
- C. 576
- D. 632
- E. 783

12. Shri pointed out to a boy in a photograph and she said: "His father's only brother's sister is my mother's only daughter". How is Shri related to the boy in the photograph?

- A. Aunt
- B. Mother
- C. Sister
- D. Grandmother

13. Blueberries cost more than strawberries.
Blueberries cost less than raspberries.
Raspberries cost more than strawberries and blueberries.
If the first two statements are true, the third statement is

- A.true
- B.false
- C.uncertain

14. What comes next in the series: 1, 2, 6, 21, _

- A. 88
- B. 24

- C. 32
- D. 95

15. If the letters of the words 'DOCUMENT' are rearranged as they appear in the English alphabet, the position of how many letters remain unchanged after the rearrangement?

- A. 0
- B. 1
- C. 2
- D. 3
- E. 4

16. If in a special language, HUNT is coded as IWQX, then what is ROCK coded as?

- A. SPDL
- B. SQFO
- C. VREL
- D. VSGO

17. Find the odd one out: 1, 4, 8, 9, 64, 25, 216

- A. 25
- B. 216
- C. 8
- D. 64

18. 10 men and 10 women are there, they dance with each other, is there possibility that 2 men are dancing with same women and vice versa.

- A. 1
- B. $\frac{1}{2}$
- C. $\frac{2}{3}$
- D. Never
- E. None of these

19. Pointing to a photograph of a boy Suresh said, "He is the son of the only son of my mother." How is Suresh related to that boy?

- A. Uncle
- B. Cousin
- C. Brother
- D. Father

20. In a code, CORNER is written as GSVRIV. How can CENTRAL be written in that code?

- A. GNFJKER
- B. GIRXVEP
- C. GJRYVEP
- D. DFOUSBM

21. a, b, c are positive numbers such that $a+b+ab=8$, $b+c+bc=15$ and $c+a+ca=35$. What is the value of $a+b+c+abc$?

- A. 33
- B. 34
- C. 35
- D. 36

22. Statement: Lock your valuables in a cupboard and call everyone gentleman

- I. valuables locked in the cupboard cannot be stolen
- II. Stealing is a crime

- A. Only I is implicit
- B. Only II is implicit
- C. Neither I nor II is implicit
- D. either I or II is implicit
- E. Both I and II are implicit

23. George can do some work in 8 hours. Paul can do the same work in 10 hours while Hari can do the same work in 12 hours. All the three of them start working at 9 AM. while George stops work at 11 am, the remaining two complete the work, approximately when will the work be finished?

- A. 11:30 AM
- B. 12 Noon
- C. 12:30
- D. 1:00 PM

24. Fawn:Deer::Joey:?

- A. Whale
- B. Kangaroo
- C. Racehorse
- D. Koala Bear

25. On this island, there are three types of people. Knights, who always tell the truth, knaves, who always lie, and spies, who can do either. In these puzzles, you meet three people, one

knight, one knave and one spy. The challenge is to determine who is who. A says "I am a Knight" B says "A is a Knight" C says "If you asked me, I would say that A is the spy"

- A. Cannot be determined
- B. Knave
- C. Knight
- D. Spy

26. It is possible to pair up all the numbers from 1 to 70 so that the positive difference between the numbers in each pair is always the same. For example, one such pairing up is (1,2), (3,4), (5,6),....(69,70). Here the common difference is 1. What is the sum of all such common differences?

- A. 630
- B. 640
- C. 650
- D. 660

27. Rs. 3000 is distributed among A, B, and C such that A gets $\frac{2}{3}$ rd of what B and C together get and C gets $\frac{1}{2}$ of what A and B together get. Find C's share.

- A. 1000
- B. 1004
- C. 1001
- D. 2000

28. What is the next number in the series 70,54,45,41?

- A. 35
- B. 40
- C. 44
- D. 45

29. In the IT department of backrub, the administrator password is changed every month. The team of administrators spread across the globe, receive an 8 digits number via email. This number is to be prefixed with a single-digit number and suffixed with a single-digit number to get the actual password. The password is divisible by 11 and 8. If the team received 54218345 this month. Then which of the following pairs give valid prefixes and suffix respectively?

- A. 7,8
- B. 8,7
- C. 6,8
- D. 8,6

30. Two finals are scheduled - The Wimbledon match and the World Cup Cricket at the same time. Anu wants to watch the Wimbledon finals and her brother Vinu wants to watch WCC final. They decide to roll a tetrahedral die twice. The tetrahedral is numbered 1,2,3,4 on its four sides and all numbers are equally likely to appear. Anu rolls first and then Vinu rolls. If the number on the first roll is strictly greater than the number on the second roll, Anu wins and gets to watch Wimbledon. What is the probability that Anu will get to watch Wimbledon?

- A. $\frac{3}{10}$
- B. $\frac{3}{8}$
- C. $\frac{1}{8}$
- D. $\frac{5}{8}$