

TCS Placement Papers 2026

27 MCQs with answer key · Free download

[Exam pattern](#)

Covers TCS NQT-style sections: Numerical Ability, Verbal Ability, Reasoning Ability, and Programming Logic. Practice set — not an official TCS paper.

Questions

[Numerical Ability](#)

Q1. The smallest number which when diminished by 7 is divisible by 12, 16, 18, 21 and 28 is:

- A) 1015
- B) 1008
- C) 1022
- D) 1032

Q2. Ratio of two numbers is 3:4 and HCF is 4. LCM is: [TCS paper]

- A) 12
- B) 48
- C) 16
- D) 24

Q3. Two successive discounts 20% and 15%. Effective discount:

- A) 35%
- B) 30%
- C) 32%
- D) 33%

Q4. SI on Rs 30000 at 10% p.a. for 2 years:

- A) Rs 5000
- B) Rs 6300
- C) Rs 3000
- D) Rs 6000

Q5. A sum doubles in 5 years at SI. Rate p.a.:

- A) 20%
- B) 10%
- C) 15%
- D) 25%

Q6. 5 women or 8 girls do a work in 84 days. 10 women and 5 girls need:

- A) 30
- B) 32 days
- C) 31
- D) 33

Q7. Train 200 m crosses 400 m bridge at 72 km/h. Time to clear fully:

- A) 20 s
- B) 25 s
- C) 30 s
- D) 15 s

Q8. Average of 5 numbers is 42. After removing 32, new average:

- A) 45
- B) 44
- C) 43
- D) 44.5

Reasoning Ability

Q9. Series: 21, 9, 21, 11, 21, 13, 21, ?

- A) 15
- B) 14
- C) 21
- D) 23

Q10. All pens are books. Some books are tables. Conclusions: I Some pens are tables. II Some books are pens.

- A) Only I
- B) Only II follows
- C) Both
- D) Neither

Q11. In a row of 40, A is 11th from left. Rank from right:

- A) 29
- B) 31
- C) 30
- D) 28

Q12. If BOOK=43 (A=1 sums), PEN=

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

Verbal Ability

Q13. Correct spelling: [TCS paper]

- A) Accommodation
- B) Accomodation
- C) Acommodation
- D) Acomodation

Q14. Synonym of Crucial: [TCS paper]

- A) Trivial
- B) Important
- C) Optional
- D) Delayed

Q15. Antonym of Expand:

- A) Enlarge
- B) Increase
- C) Contract
- D) Spread

Q16. Neither the manager nor the employees ____ aware.

- A) was
- B) is
- C) be
- D) were

Programming Logic

Q17. `int a=5; printf("%d", a++);` prints:

- A) 5
- B) 6
- C) 4
- D) Error

Q18. Array name in most C expressions decays to:

- A) Bound-checked copy
- B) Pointer to first element
- C) Entire array by value
- D) NULL

Q19. Middle of singly linked list with slow/fast pointers is:

- A) $O(1)$
- B) $O(n \log n)$
- C) $O(n)$
- D) $O(n^2)$

Q20. What is passed when array is passed to a C function?

- A) Copy of all values
- B) Addresses of all elements always
- C) Nothing
- D) Address of first element

Q21. Count subarrays with sum K - standard approach:

- A) Prefix sums + hashmap
- B) Bubble sort
- C) Only nested $O(n^3)$ required
- D) Binary search values

Q22. Rotate $N \times N$ matrix 90 clockwise (in-place idea):

- A) Reverse rows only
- B) Transpose then reverse each row
- C) Sort diagonals
- D) Swap random

Numerical Ability

Q23. 252 as product of primes: [TCS paper]

- A) $2 \times 2 \times 2 \times 3 \times 7$
- B) $3 \times 3 \times 3 \times 3 \times 7$
- C) $2 \times 2 \times 3 \times 3 \times 7$
- D) $2 \times 3 \times 3 \times 3 \times 7$

Reasoning Ability

Q24. Next: 2, 6, 12, 20, 30, ?

- A) 36
- B) 40
- C) 48
- D) 42

Numerical Ability

Q25. Marked 40% above CP, 15% discount. Profit %:

- A) 19%
- B) 25%
- C) 15%
- D) 10%

Programming Logic

Q26. Jump Game (reach last index) key idea:

- A) Always yes if nonempty
- B) Track farthest reachable index
- C) Only DFS exponential
- D) Dijkstra required

Reasoning Ability

Q27. Odd one: 3,5,7,9,11

- A) 3
- B) 5
- C) 9
- D) 11

Answer Key & Explanations

Numerical Ability

Q1. A

$\text{LCM}(12,16,18,21,28)+7=1008+7=1015$.

Q2. B

Numbers 12 and 16; $\text{LCM}=48$.

Q3. C

$100 \rightarrow 80 \rightarrow 68$.

Q4. D

$\text{PRT}/100$.

Q5. A

$R=100/5$.

Q6. B

$10W=16G$; $+5G=21G$; $8*84/21=32$.

Q7. C

600m at 20 m/s.

Q8. D

$178/4$.

Reasoning Ability

Q9. A

Alternating 21 with +2 series from 9.

Q10. B

Syllogism classic.

Q11. C

$40-11+1$.

Q12. D

$16+5+14$.

Verbal Ability

Q13. A

NQT verbal.

Q14. B

Vocab.

Q15. C

Vocab.

Q16. D

Nearer subject.

Programming Logic

Q17. A

Post-increment.

Q18. B

C fundamentals.

Q19. C

One pass.

Q20. D

Q21. A

NQT coding-adjacent MCQ.

Q22. B

NQT matrix theme.

[Numerical Ability](#)

Q23. C

Factorization.

[Reasoning Ability](#)

Q24. D

$n(n+1)$.

[Numerical Ability](#)

Q25. A

$1.4 \times 0.85 - 1$.

[Programming Logic](#)

Q26. B

Reported NQT coding pattern as MCQ.

[Reasoning Ability](#)

Q27. C

9 composite.