

Tech Mahindra Placement Papers 2026

27 MCQs with answer key · Free download

[Exam pattern](#)

Tech Mahindra-style: Logical, Quantitative, English, plus Computer Programming / Computer Science MCQs and Automata-Fix style debugging logic. Practice set — not an official Tech Mahindra paper.

Questions

[Logical Ability](#)

Q1. Series: 3, 9, 27, 81, ?

- A) 243
- B) 162
- C) 108
- D) 324

Q2. If CLOCK is coded as 3-12-15-3-11 (A=1), TIME codes as:

- A) 20-9-13-5
- B) 19-9-13-5
- C) 20-8-13-5
- D) 20-9-14-5

Q3. All pens are tools. Some tools are toys. Conclusion: some pens are toys?

- A) Does not follow
- B) Follows
- C) Either
- D) Only

Q4. Odd one: Circle, Triangle, Square, Cube

- A) Cube
- B) Circle
- C) Square
- D) Triangle

[Quantitative Ability](#)

Q5. CP=800, profit 25%, SP=

- A) 1000
- B) 900
- C) 950
- D) 1100

Q6. Ratio 2:3, sum 250. Smaller number:

- A) 100
- B) 150
- C) 125
- D) 200

Q7. Boat speed 12, stream 3. Downstream:

- A) 15
- B) 9
- C) 12
- D) 6

Q8. SI: $P=2000$, $R=5\%$, $T=4$ years. Interest=

- A) 400
- B) 200
- C) 500
- D) 100

English

Q9. Synonym of 'diligent':

- A) hardworking
- B) lazy
- C) careless
- D) idle

Q10. Antonym of 'expand':

- A) contract
- B) enlarge
- C) inflate
- D) grow

Q11. Fill: Prefer tea ____ coffee.

- A) to
- B) than
- C) from
- D) over

Q12. Spot error idea: 'He go to office daily.' Correct verb:

- A) goes
- B) go
- C) going
- D) gone

Computer Programming

Q13. Output: `for(i=0;i<3;i++) printf("%d",i);` prints

- A) 012
- B) 123
- C) 0123
- D) 000

Q14. In C, `sizeof(char)` typically:

- A) 1
- B) 2
- C) 4
- D) 8

Q15. Recursion must have:

- A) Base case
- B) Only global vars
- C) No return
- D) Infinite loop

Q16. Pass by reference in C++ uses:

- A) & references / pointers
- B) Only copies
- C) Macros only
- D) Goto

Q17. Which is not OOP pillar typically listed?

- A) Compilation
- B) Encapsulation
- C) Inheritance
- D) Polymorphism

Computer Science

Q18. HTTP default port:

- A) 80
- B) 21
- C) 25
- D) 53

Q19. Git commit creates:

- A) Snapshot in repo history
- B) Only remote push
- C) Only stash
- D) Only tag always

Q20. 3NF relates to:

- A) Removing transitive dependency
- B) Only 1NF lists
- C) Only indexes
- D) Only views

Q21. CSS primarily styles:

- A) Presentation of HTML
- B) DB schemas
- C) IP routing
- D) CPU cache

Q22. SMTP used for:

- A) Email sending
- B) File transfer only
- C) Name resolution
- D) Packet sniffing

Automata Fix Logic

Q23. Bug: `int sum=0; for(i=1;i<=n;i++); sum+=i;` Why wrong?

- A) Semicolon makes empty loop; sum gets n+1 once
- B) sum always 0 forever
- C) i never increments
- D) Compiler rejects +=

Q24. Bug: `if(x=5)` uses assignment. Correct comparison operator:

- A) ==
- B) ===
- C) =!
- D) equals()

Q25. Off-by-one: loop `i=0; i<=n; i++` on `0..n-1` array risks:

- A) Out of bounds at `i=n`
- B) Underflow only
- C) Faster code
- D) No risk

Q26. Missing return in non-void function causes:

- A) Undefined behavior / garbage
- B) Always 0
- C) Always crash guaranteed
- D) Compile success meaning correct

Q27. Swapping without temp using XOR works if:

- A) a and b distinct locations
- B) a and b same variable carefully
- C) Floats only
- D) Strings only

Answer Key & Explanations

Logical Ability

Q1. A
*3 each.

Q2. A
T20 I9 M13 E5.

Q3. A
No.

Q4. A
3D vs 2D.

Quantitative Ability

Q5. A
 1.25×800 .

Q6. A
 $2/5 \times 250$.

Q7. A
 $12 + 3$.

Q8. A
PRT/100.

English

Q9. A
Hardworking.

Q10. A
Shrink.

Q11. A
Prefer X to Y.

Q12. A
He goes.

Computer Programming

Q13. A
0 1 2.

Q14. A
1 byte.

Q15. A
Base case.

Q16. A
Refs/pointers.

Q17. A
Compilation `` pillar.

Computer Science

Q18. A
80.

Q19. A
Commit.

Q20. A
3NF.

Q21. A
Styling.

Q22. A
Mail.

[Automata Fix Logic](#)

Q23. A
Empty loop body.

Q24. A
In C/C++/Java use == to compare.

Q25. A
Index n invalid.

Q26. A
UB.

Q27. A
Distinct addrs.

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