

SAP Placement Papers 2026

27 MCQs with answer key · Free download

[Exam pattern](#)

Programming and DSA-logic MCQs plus CS fundamentals and light aptitude. Live SDE screens are usually coding-first. Practice set — not an official SAP paper.

Questions

[Quantitative Ability](#)

Q1. A finishes work in 6 days, B in 26 days. Days together? [SAP]

- A) 6
- B) 5.88
- C) 4.88
- D) 16.0

Q2. Marked 35% above cost with 5% discount. Profit %? [SAP]

- A) 5%
- B) 28.25%
- C) 30%
- D) 35%

Q3. SI on ₹17000 at 11% p.a. for 4 years? [SAP]

- A) ₹3080
- B) ₹3280
- C) ₹770
- D) ₹6160

Q4. A 80 m train crosses a pole in 10 s. Speed in km/h? [SAP]

- A) 8
- B) 35
- C) 20
- D) 28.8

Q5. Average of 5 numbers is 50. If 41 is removed, new average? [SAP]

- A) 9
- B) 45.5
- C) 52.25
- D) 50

Q6. A number rises by 40% then falls by 40%. Net % change? [SAP]

- A) -80%
- B) -16.0%
- C) 0%
- D) 40%

Q7. Ratio 4:3, sum 350. Smaller part? [SAP]

- A) 200
- B) 150
- C) 175
- D) 40

Q8. HCF of 12 and 18? [SAP]

- A) 36
- B) 12
- C) 8
- D) 6

Logical Reasoning

Q9. Series: 2, 4, 7, 11, 16, ? [SAP]

- A) 19
- B) 32
- C) 22
- D) 24

Q10. Series: 5, 10, 20, 40, ? [SAP]

- A) 50
- B) 80
- C) 42
- D) 120

Q11. If CAT !' FDW (shift +3), then BAT !' ? [SAP]

- A) EDW
- B) FEX
- C) TAB
- D) bat

Q12. P is taller than Q, R taller than P, S shorter than Q. Tallest among P,Q,R,S? [SAP]

- A) P
- B) Q
- C) S
- D) R

Q13. All servers are machines. Some machines are tools. Conclusion: Some servers are tools? [SAP]

- A) Either follows
- B) Data insufficient only
- C) Does not follow
- D) Follows

Q14. Odd one out: 3, 5, 7, 11, 9 [SAP]

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

Verbal Ability

Q15. Synonym of 'rapid': [SAP]

- A) swift
- B) slow
- C) lazy
- D) dull

Q16. Antonym of 'secure': [SAP]

- A) safe
- B) protected
- C) locked
- D) vulnerable

Q17. Fill: She has been working here ____ 2021. [SAP]

- A) from
- B) by
- C) since
- D) for

Programming Logic

Q18. Pseudo: $s=0$; for $i=1$ to 3 { $s=s+i$ }. Final s ? [SAP]

- A) 7
- B) 6
- C) 3
- D) 9

Q19. Best DS to check balanced parentheses in an expression? [SAP]

- A) Stack
- B) Queue
- C) Heap
- D) Hash only

Q20. Binary search on a sorted array of size n is: [SAP]

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

Q21. BFS traversal typically uses: [SAP]

- A) Priority queue always
- B) Only recursion
- C) Queue
- D) Stack only

Q22. Recursive fib(n): fib(0)=0, fib(1)=1. fib(6) = ? [SAP]

- A) 9
- B) 8
- C) 13
- D) 6

Q23. HashMap average-case get is: [SAP]

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

Q24. Detect cycle in a linked list efficiently with: [SAP]

- A) Binary search
- B) Counting sort
- C) Dijkstra
- D) Floyd tortoise-hare

Q25. Pseudo: $x=3$; print $x++$; then print x . First printed value? [SAP]

- A) 2
- B) 6
- C) 3
- D) 4

Technical MCQ

Q26. 3NF mainly removes: [SAP]

- A) Only views
- B) Transitive dependency
- C) Only repeating groups
- D) Only indexes

Q27. IPv4 address size: [SAP]

- A) 32 bits
- B) 64 bits
- C) 128 bits
- D) 16 bits

Answer Key & Explanations

Quantitative Ability

Q1. C

$1/6 + 1/26 \approx 4.88$ days.

Q2. B

$SP/CP = 1.2825 \approx 28.25\%$.

Q3. A

$SI = PRT/100 = 3080$.

Q4. D

$80/10 \text{ m/s} \times 18/5 = 28.8 \text{ km/h}$.

Q5. C

New sum = 209; divide by 4.

Q6. B

$(1+x)(1-x)-1 = -x^2 \approx -16.0\%$.

Q7. A

Smaller = $4/7 \times 350 = 200$.

Q8. D

$HCF(12, 18) = 6$.

Logical Reasoning

Q9. C

Differences increase; next = 22.

Q10. B

Multiply by 2 each step.

Q11. A

Each letter +3.

Q12. D

$R > P > Q > S$.

Q13. C

No forced overlap.

Q14. B

9 is not prime.

Verbal Ability

Q15. A

swift "H rapid.

Q16. D

Opposite of secure is vulnerable.

Q17. C

Correct: since.

Programming Logic

Q18. B

$1 + \dots + 3 = 6$.

Q19. A

LIFO matching.

Q20. D

Halve each step.

Q21. C

Level-order with queue.

Q22. B

fib(6)=8.

Q23. A

Amortized constant.

Q24. D

Two pointers.

Q25. C

Post-increment prints old value.

Technical MCQ

Q26. B

3NF.

Q27. A

32-bit.

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