

Unacademy Placement Papers 2026

27 MCQs with answer key · Free download

[Exam pattern](#)

Programming/DSA logic MCQs with product/domain technical items and light aptitude. Live OA is typically coding-first. Practice set — not an official Unacademy paper.

Questions

[Quantitative Ability](#)

Q1. A finishes work in 14 days, B in 20 days. Days together? [Unacademy]

- A) 8.24
- B) 17.0
- C) 14
- D) 9.24

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

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

Q3. SI on ₹18000 at 9% p.a. for 2 years? [Unacademy]

- A) ₹720
- B) ₹2880
- C) ₹1440
- D) ₹1640

Q4. A 200 m train crosses a pole in 8 s. Speed in km/h? [Unacademy]

- A) 81
- B) 90
- C) 25
- D) 96

Q5. Average of 5 numbers is 20. If 13 is removed, new average?

- A) 21.75
- B) 20
- C) 7
- D) 16.5

Q6. A number rises by 30% then falls by 30%. Net % change? [Unacademy]

- A) 0%
- B) 30%
- C) -60%
- D) -9.0%

Q7. Ratio 2:5, sum 490. Smaller part? [Unacademy]

- A) 245
- B) 20
- C) 140
- D) 350

Q8. HCF of 12 and 24? [Unacademy]

- A) 15
- B) 12
- C) 24
- D) 14

Logical Reasoning

Q9. Series: 4, 6, 9, 13, 18, ? [Unacademy]

- A) 24
- B) 26
- C) 21
- D) 36

Q10. Series: 3, 6, 12, 24, ? [Unacademy]

- A) 26
- B) 72
- C) 30
- D) 48

Q11. If CAT !' DBU (shift +1), then BAT !' ? [Unacademy]

- A) TAB
- B) bat
- C) CBU
- D) DCV

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

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

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

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

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

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

Verbal Ability

Q15. Synonym of 'rapid': [Unacademy]

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

Q16. Antonym of 'expand': [Unacademy]

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

Q17. Fill: Neither of the options ____ correct. [Unacademy]

- A) is
- B) are
- C) were
- D) have

Programming Logic

Q18. Pseudo: $s=0$; for $i=1$ to 5 { $s=s+i$ }. Final s ? [Unacademy]

- A) 5
- B) 25
- C) 16
- D) 15

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

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

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

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

Q21. BFS traversal typically uses: [Unacademy]

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

Q22. Recursive $\text{fib}(n)$: $\text{fib}(0)=0$, $\text{fib}(1)=1$. $\text{fib}(8) = ?$ [Unacademy]

- A) 34
- B) 8
- C) 22
- D) 21

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

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

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

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

Q25. Pseudo: $x=5$; print $x++$; then print x . First printed value? [Unacademy]

- A) 5
- B) 6
- C) 4
- D) 10

Technical MCQ

Q26. ACID 'A' stands for: [Unacademy]

- A) Availability
- B) Aggregation
- C) Allocation
- D) Atomicity

Q27. RAM is typically: [Unacademy]

- A) Optical only
- B) A protocol
- C) Volatile
- D) Non-volatile like ROM

Answer Key & Explanations

Quantitative Ability

Q1. A

$1/14 + 1/20$!' 8.24 days.

Q2. D

$SP/CP = 1.2825$!' 28.25%.

Q3. C

$SI = PRT/100 = 1440$.

Q4. B

$200/8 \text{ m/s} \times 18/5 = 90 \text{ km/h}$.

Q5. A

New sum=87; divide by 4.

Q6. D

$(1+x)(1-x)-1 = -x^2$!' -9.0%.

Q7. C

Smaller = $2/7 \times 490 = 140$.

Q8. B

$HCF(12, 24) = 12$.

Logical Reasoning

Q9. A

Differences increase; next = 24.

Q10. D

Multiply by 2 each step.

Q11. C

Each letter +1.

Q12. B

$R > P > Q > S$.

Q13. A

No forced overlap.

Q14. D

9 is not prime.

Verbal Ability

Q15. C

swift "H rapid.

Q16. B

Opposite of expand is contract.

Q17. A

Correct: is.

Programming Logic

Q18. D

$1 + \dots + 5 = 15$.

Q19. C

LIFO matching.

Q20. B

Halve each step.

Q21. A

Level-order with queue.

Q22. D

fib(8)=21.

Q23. C

Amortized constant.

Q24. B

Two pointers.

Q25. A

Post-increment prints old value.

[Technical MCQ](#)

Q26. D

Atomicity.

Q27. C

Volatile.

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