

Capgemini Placement Papers 2026

27 MCQs with answer key · Free download

[Exam pattern](#)

Capgemini Exceller-style: Technical MCQ + Pseudocode, English Communication, and programming logic. Game-based aptitude is not reproduced as MCQs. Practice set — not an official Capgemini paper.

Questions

[Technical MCQ](#)

Q1. Which normal form removes transitive dependency?

- A) 1NF
- B) 2NF
- C) 3NF
- D) BCNF

Q2. In OS, thrashing means:

- A) Too many page faults reducing CPU util
- B) Disk full
- C) Cache hit
- D) Deadlock only

Q3. TCP is connection-oriented; which is true?

- A) Guarantees delivery order
- B) No handshake
- C) UDP-like
- D) Always faster than UDP

Q4. Time complexity of binary search on sorted n-array:

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

Q5. Which OOP feature allows same interface, different implementations?

- A) Encapsulation
- B) Polymorphism
- C) Abstraction
- D) Composition

Q6. Primary key constraint implies:

- A) Unique + NOT NULL
- B) Only unique
- C) Only NOT NULL
- D) Foreign key

Q7. Stack overflow typically relates to:

- A) Deep recursion / large stack frames
- B) Heap fragmentation
- C) Disk I/O
- D) DNS failure

Q8. Which HTTP method is idempotent by design?

- A) POST
- B) PUT
- C) CONNECT
- D) PATCH always

Pseudocode

Q9. Pseudo: $x=5$; while $x>0$ { $x=x-2$ }; final x ?

- A) -1
- B) 0
- C) 1
- D) 2

Q10. Pseudo: for $i=1$ to 3 { $s=s+i$ } with $s=0$. Value of s ?

- A) 3
- B) 6
- C) 9
- D) 1

Q11. Pseudo: if $(a\%2==0)$ print Even else Odd. $a=17$!'

- A) Even
- B) Odd
- C) Error
- D) 17

Q12. Pseudo: $a=[2,4,6]$; print $a[1]+a[2]$ (0-index)

- A) 6
- B) 8
- C) 10
- D) 4

Q13. Pseudo: function $f(n)$ { if $n\leq 1$ return 1; return $n*f(n-1)$ } $f(4)=$

- A) 12
- B) 24
- C) 6
- D) 4

English Communication

Q14. Choose correct: Neither of the two candidates ____ selected.

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

Q15. Synonym of 'mitigate':

- A) worsen
- B) alleviate
- C) ignore
- D) amplify

Q16. Antonym of 'scarce':

- A) rare
- B) abundant
- C) sparse
- D) limited

Q17. Fill: She has been working here ____ 2019.

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

Q18. Error spot: 'The datas are incorrect.' Correction idea:

- A) data is / are (data plural traditionally)
- B) datas was
- C) the data are incorrect (prefer data are/is)
- D) no error

Programming Logic

Q19. Output of: `int a=5; printf("%d", a++ + ++a);` (undefined in C — safest MCQ view of side effects)

- A) Implementation-defined / UB risk
- B) Always 11
- C) Always 12
- D) Compile error always

Q20. Best DS to check balanced parentheses:

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

Q21. Which sorts in $O(n \log n)$ average?

- A) Bubble
- B) Insertion
- C) Merge
- D) Selection

Q22. Linked list insert at head is:

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

Q23. SQL: `SELECT COUNT(*) FROM T WHERE x IS NULL;` counts:

- A) Rows where x null
- B) Non-null only
- C) Distinct x
- D) Primary keys

Q24. Deadlock requires which condition?

- A) Mutual exclusion among others
- B) Infinite RAM
- C) Single thread
- D) No waiting

Q25. In Capgemini coding round style, two medium problems typically stress:

- A) Arrays/strings/hashing fundamentals
- B) Only OS theory
- C) Only essay writing
- D) Only GD

Q26. Pseudo-pointer: `*p=10; p=&x;` then `*p=20` changes:

- A) x
- B) p address only
- C) nothing
- D) stack size

Q27. Hash collision handling by chaining uses:

- A) Linked lists at buckets
- B) Only sorting
- C) Binary search tree only always
- D) No storage

Answer Key & Explanations

Technical MCQ

Q1. C

3NF removes transitive deps.

Q2. A

Excessive paging.

Q3. A

Ordered reliable stream.

Q4. B

Halve each step.

Q5. B

Polymorphism.

Q6. A

PK = unique not null.

Q7. A

Call stack exhaustion.

Q8. B

PUT replaces resource.

Pseudocode

Q9. A

$5! \cdot 3! \cdot 1! - 1$.

Q10. B

$1+2+3=6$.

Q11. B

Odd.

Q12. C

$4+6=10$.

Q13. B

$4!=24$.

English Communication

Q14. A

Neither '!' singular.

Q15. B

Reduce severity.

Q16. B

Plenty.

Q17. B

Point in time '!' since.

Q18. C

Prefer: The data are/is incorrect — not 'datas'.

Programming Logic

Q19. A

Modifying a twice without sequence point '!' UB.

Q20. B

LIFO matching.

Q21. C

Merge sort.

Q22. A

Pointer update.

Q23. A

IS NULL matches nulls.

Q24. A

Coffman conditions include mutual exclusion.

Q25. A

Q26. A

Dereferenced write.

Q27. A

Common chaining.

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