

mPhasis Placement Papers 2026

27 MCQs with answer key · Free download

[Exam pattern](#)

Covers mPhasis-style placement sections: Quantitative, Logical, Verbal, and Programming/Technical MCQs. Practice set — not an official mPhasis paper.

Questions

[Quantitative Ability](#)

Q1. A finishes work in 11 days, B in 15 days. Days together?

- A) 7.35
- B) 6.35
- C) 13.0
- D) 11

Q2. Marked 30% above cost with 30% discount. Profit %? [mPhasis]

- A) -9.0%
- B) 0%
- C) 30%
- D) -4.0%

Q3. SI on ₹17500 at 8% p.a. for 5 years? [mPhasis]

- A) ₹3200
- B) ₹600
- C) ₹6000
- D) ₹3000

Q4. A 190 m train crosses a pole in 7 s. Speed in km/h?

- A) 104
- B) 89
- C) 97.7
- D) 27

Q5. Average of 10 numbers is 75. If 70 is removed, new average?

- A) 72.5
- B) 75.56
- C) 75
- D) 5

Q6. A number rises by 25% then falls by 25%. Net % change? [mPhasis]

- A) -6.25%
- B) 0%
- C) 25%
- D) -50%

Q7. Ratio 5:4, sum 540. Smaller part? [mPhasis]

- A) 240
- B) 270
- C) 50
- D) 300

Q8. HCF of 22 and 21? [mPhasis]

- A) 21
- B) 2
- C) 1
- D) 462

Logical Reasoning

Q9. Series: 3, 7, 12, 18, 25, ? [mPhasis]

- A) 50
- B) 33
- C) 35
- D) 30

Q10. Series: 6, 24, 96, 384, ? [mPhasis]

- A) 1536
- B) 388
- C) 1920
- D) 60

Q11. If KEY !' OIC (shift +4), then JAR !' ? [mPhasis]

- A) OFW
- B) RAJ
- C) jar
- D) NEV

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

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

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

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

Q14. Odd one out: 3, 5, 7, 11, 15 [mPhasis]

- A) 15
- B) 3
- C) 5
- D) 11

Verbal Ability

Q15. Synonym of 'brief': [mPhasis]

- A) lengthy
- B) verbose
- C) long
- D) concise

Q16. Antonym of 'scarce': [mPhasis]

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

Q17. Fill: He is good ____ mathematics. [mPhasis]

- A) by
- B) at
- C) in
- D) on

Programming Logic

Q18. Pseudo: $s=0$; for $i=1$ to 4 { $s=s+i$ }. Final s ? [mPhasis]

- A) 10
- B) 4
- C) 16
- D) 11

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

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

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

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

Q21. BFS traversal typically uses: [mPhasis]

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

Q22. Recursive fib(n): fib(0)=0, fib(1)=1. fib(7) = ? [mPhasis]

- A) 13
- B) 21
- C) 7
- D) 14

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

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

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

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

Q25. Pseudo: $x=4$; print $x++$; then print x . First printed value? [mPhasis]

- A) 8
- B) 4
- C) 5
- D) 3

Technical MCQ

Q26. SQL INNER JOIN returns: [mPhasis]

- A) Matching rows from both tables
- B) All left rows only
- C) Cartesian always
- D) Only NULLs

Q27. HTTP default port: [mPhasis]

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

Answer Key & Explanations

Quantitative Ability

Q1. B

$1/11 + 1/15$!' 6.35 days.

Q2. A

$SP/CP = 0.9100$!' -9.0%.

Q3. D

$SI = PRT/100 = 3000$.

Q4. C

$190/7 \text{ m/s} \times 18/5 = 97.7 \text{ km/h}$.

Q5. B

New sum=680; divide by 9.

Q6. A

$(1+x)(1-x)-1 = -x^2$!' -6.25%.

Q7. D

Smaller = $5/9 \times 540 = 300$.

Q8. C

$HCF(22,21)=1$.

Logical Reasoning

Q9. B

Differences increase; next = 33.

Q10. A

Multiply by 4 each step.

Q11. D

Each letter +4.

Q12. C

$R > P > Q > S$.

Q13. B

No forced overlap.

Q14. A

15 is not prime.

Verbal Ability

Q15. D

concise "H brief.

Q16. C

Opposite of scarce is abundant.

Q17. B

Correct: at.

Programming Logic

Q18. A

$1 + \dots + 4 = 10$.

Q19. D

LIFO matching.

Q20. C

Halve each step.

Q21. B

Level-order with queue.

Q22. A

fib(7)=13.

Q23. D

Amortized constant.

Q24. C

Two pointers.

Q25. B

Post-increment prints old value.

Technical MCQ

Q26. A

Inner join.

Q27. D

Port 80.

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