

VMware 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 VMware paper.

Questions

[Quantitative Ability](#)

Q1. A finishes work in 19 days, B in 22 days. Days together?

- A) 11.2
- B) 10.2
- C) 20.5
- D) 19

Q2. Marked 50% above cost with 20% discount. Profit %? [VMware]

- A) 20.0%
- B) 30%
- C) 50%
- D) 20%

Q3. SI on ₹19500 at 8% p.a. for 5 years? [VMware]

- A) ₹4000
- B) ₹760
- C) ₹7600
- D) ₹3800

Q4. A 80 m train crosses a pole in 7 s. Speed in km/h? [VMware]

- A) 47
- B) 32
- C) 41.1
- D) 11

Q5. Average of 8 numbers is 35. If 27 is removed, new average?

- A) 31.0
- B) 36.14
- C) 35
- D) 8

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

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

Q7. Ratio 5:3, sum 400. Smaller part? [VMware]

- A) 150
- B) 200
- C) 50
- D) 250

Q8. HCF of 18 and 18? [VMware]

- A) 20
- B) 21
- C) 18
- D) 36

Logical Reasoning

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

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

Q10. Series: 6, 12, 24, 48, ? [VMware]

- A) 96
- B) 50
- C) 144
- D) 60

Q11. If MAP !' QET (shift +4), then TOP !' ? [VMware]

- A) YTU
- B) POT
- C) top
- D) XST

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

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

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

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

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

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

Verbal Ability

Q15. Synonym of 'diligent': [VMware]

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

Q16. Antonym of 'opaque': [VMware]

- A) dark
- B) thick
- C) transparent
- D) solid

Q17. Fill: She has been working here ____ 2018. [VMware]

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

Programming Logic

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

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

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

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

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

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

Q21. BFS traversal typically uses: [VMware]

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

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

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

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

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

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

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

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

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

Technical MCQ

Q26. RAM is typically: [VMware]

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

Q27. 3NF mainly removes: [VMware]

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

Answer Key & Explanations

Quantitative Ability

Q1. B

$1/19 + 1/22 \approx 10.2$ days.

Q2. A

$SP/CP = 1.2000 \approx 20.0\%$.

Q3. D

$SI = PRT/100 = 3800$.

Q4. C

$80/7 \text{ m/s} \times 18/5 = 41.1 \text{ km/h}$.

Q5. B

New sum = 253; divide by 7.

Q6. A

$(1+x)(1-x)-1 = -x^2 \approx -6.25\%$.

Q7. D

Smaller = $5/8 \times 400 = 250$.

Q8. C

$HCF(18, 18) = 18$.

Logical Reasoning

Q9. B

Differences increase; next = 22.

Q10. A

Multiply by 2 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

industrious "H diligent.

Q16. C

Opposite of opaque is transparent.

Q17. B

Correct: since.

Programming Logic

Q18. A

$1 + \dots + 3 = 6$.

Q19. D

LIFO matching.

Q20. C

Halve each step.

Q21. B

Level-order with queue.

Q22. A

fib(6)=8.

Q23. D

Amortized constant.

Q24. C

Two pointers.

Q25. B

Post-increment prints old value.

Technical MCQ

Q26. A

Volatile.

Q27. D

3NF.

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