

Virtusa Placement Papers 2026

27 MCQs with answer key · Free download

[Exam pattern](#)

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

Questions

[Quantitative Ability](#)

Q1. A finishes work in 8 days, B in 23 days. Days together?

- A) 15.5
- B) 8
- C) 6.94
- D) 5.94

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

- A) 20%
- B) 1.0%
- C) -4.0%
- D) 0%

Q3. SI on ₹12500 at 6% p.a. for 3 years? [Virtusa]

- A) ₹900
- B) ₹450
- C) ₹650
- D) ₹150

Q4. A 140 m train crosses a pole in 5 s. Speed in km/h? [Virtusa]

- A) 100.8
- B) 28
- C) 107
- D) 92

Q5. Average of 8 numbers is 65. If 55 is removed, new average? [Virtusa]

- A) 65
- B) 10
- C) 60.0
- D) 66.43

Q6. A number rises by 15% then falls by 15%. Net % change? [Virtusa]

- A) 15%
- B) -30%
- C) -2.25%
- D) 0%

Q7. Ratio 3:4, sum 420. Smaller part? [Virtusa]

- A) 30
- B) 180
- C) 240
- D) 210

Q8. HCF of 18 and 21? [Virtusa]

- A) 3
- B) 126
- C) 18
- D) 6

Logical Reasoning

Q9. Series: 3, 5, 8, 12, 17, ? [Virtusa]

- A) 25
- B) 20
- C) 34
- D) 23

Q10. Series: 4, 8, 16, 32, ? [Virtusa]

- A) 96
- B) 40
- C) 64
- D) 34

Q11. If MAP !' OCR (shift +2), then TOP !' ? [Virtusa]

- A) top
- B) VQR
- C) WRS
- D) POT

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

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

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

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

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

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

Verbal Ability

Q15. Synonym of 'diligent': [Virtusa]

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

Q16. Antonym of 'rigid': [Virtusa]

- A) flexible
- B) stiff
- C) hard
- D) fixed

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

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

Programming Logic

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

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

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

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

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

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

Q21. BFS traversal typically uses: [Virtusa]

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

Q22. Recursive $\text{fib}(n)$: $\text{fib}(0)=0$, $\text{fib}(1)=1$. $\text{fib}(7) = ?$ [Virtusa]

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

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

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

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

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

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

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

Technical MCQ

Q26. IPv4 address size: [Virtusa]

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

Q27. ACID 'A' stands for: [Virtusa]

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

Answer Key & Explanations

Quantitative Ability

Q1. D

$1/8 + 1/23 \approx 5.94$ days.

Q2. C

$SP/CP = 0.9600 \Rightarrow -4.0\%$.

Q3. B

$SI = PRT/100 = 450$.

Q4. A

$140/5 \text{ m/s} \times 18/5 = 100.8 \text{ km/h}$.

Q5. D

New sum = 465; divide by 7.

Q6. C

$(1+x)(1-x)-1 = -x^2 \Rightarrow -2.25\%$.

Q7. B

Smaller = $3/7 \times 420 = 180$.

Q8. A

$HCF(18, 21) = 3$.

Logical Reasoning

Q9. D

Differences increase; next = 23.

Q10. C

Multiply by 2 each step.

Q11. B

Each letter +2.

Q12. A

$R > P > Q > S$.

Q13. D

No forced overlap.

Q14. C

15 is not prime.

Verbal Ability

Q15. B

industrious "H diligent.

Q16. A

Opposite of rigid is flexible.

Q17. D

Correct: at.

Programming Logic

Q18. C

$1 + \dots + 4 = 10$.

Q19. B

LIFO matching.

Q20. A

Halve each step.

Q21. D

Level-order with queue.

Q22. C

fib(7)=13.

Q23. B

Amortized constant.

Q24. A

Two pointers.

Q25. D

Post-increment prints old value.

[Technical MCQ](#)

Q26. C

32-bit.

Q27. B

Atomicity.

Disclaimer: Created by placementpapers.app for learning. The pattern is similar but this is not confidential exam material.

© placementpapers.app · More mocks and company guides at <https://placementpapers.app>