

Akamai Placement Papers 2026

15 MCQs with answer key · Free download

Questions

Q1. [CS Fundamentals] Average time complexity of binary search on a sorted array is: [Akamai paper]

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

Q2. [CS Fundamentals] Which data structure is best for LRU cache? [Akamai paper]

- A) HashMap + Doubly Linked List
- B) Array only
- C) Binary heap only
- D) Queue only

Q3. [Reasoning] You have 3 boxes: apples, oranges, apples&oranges - all labeled wrong. You pick one fruit from the box labeled apples&oranges. It is an apple. Correct labels? [Akamai paper]

- A) apples; oranges; apples&oranges respectively after remapping
- B) Cannot determine
- C) All stay wrong
- D) Only apples correct

Q4. [Verbal] Choose correct: The news _____ good.

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

Q5. [Verbal] Problem: Find the antonym of "TRANSPARENT": a) Clear b) Opaque c) Visible d) Bright

- A) Clear
- B) Opaque
- C) Visible
- D) Bright

Q6. [Reasoning] A walks 6 km north, then 8 km east. Distance from start is:

- A) 8 km
- B) 210 km
- C) 12 km
- D) 10 km

Q7. [Verbal] Antonym of "Ancient":

- A) Modern
- B) Old
- C) Historic
- D) Aged

Q8. [Quantitative] HCF of 23 and 19 is:

- A) 1
- B) 437
- C) 23
- D) 19

Q9. [Reasoning] In a row of 40 students, A is 11th from left. Rank from right is:

- A) 30
- B) 29
- C) 31
- D) 28

Q10. [Quantitative] HCF of 14 and 4 is:

- A) 2
- B) 28
- C) 14
- D) 4

Q11. [Quantitative] HCF of 10 and 12 is:

- A) 2
- B) 60
- C) 10
- D) 12

Q12. [Quantitative] HCF of 4 and 8 is:

- A) 4
- B) 8
- C) 6
- D) 7

Q13. [Quantitative] Marked 25% above cost with 5% discount. Profit %?

- A) 18.75%
- B) 20%
- C) 25%
- D) 5%

Q14. [Verbal] Synonym of "Meticulous":

- A) Detailed
- B) Careless
- C) Sloppy
- D) Hasty

Q15. [Quantitative] HCF of 10 and 25 is:

- A) 5
- B) 50
- C) 10
- D) 25

Answer Key & Explanations

Q1. A

Halves search space each step.

Q2. A

$O(1)$ lookup + $O(1)$ move-to-front.

Q3. A

Classic Google/Microsoft puzzle pattern: labeled mixed is actually apples.

Q4. B

"News" is singular !' is.

Q5. B

Transparent means see-through, so "Opaque" (not see-through) is the antonym.

Q6. D

Right triangle !' 10 km.

Q7. A

Opposite of Ancient is Modern.

Q8. A

$\gcd(23,19)=1$.

Q9. A

From right = $40 - 11 + 1 = 30$.

Q10. A

$\gcd(14,4)=2$.

Q11. A

$\gcd(10,12)=2$.

Q12. A

$\gcd(4,8)=4$.

Q13. A

$SP/CP = 1.25 \times 0.95$!' 18.75%.

Q14. A

Meticulous means detailed.

Q15. A

$\gcd(10,25)=5$.