

Intel 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: [Intel 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? [Intel 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? [Intel paper]

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

Q4. [Quantitative] HCF of 7 and 13 is:

- A) 1
- B) 91
- C) 7
- D) 13

Q5. [Quantitative] HCF of 6 and 18 is:

- A) 6
- B) 18
- C) 8
- D) 9

Q6. [Quantitative] HCF of 2 and 14 is:

- A) 2
- B) 14
- C) 4
- D) 5

Q7. [Quantitative] HCF of 6 and 4 is:

- A) 2
- B) 12
- C) 6
- D) 4

Q8. [Quantitative] A 150 m train crosses a pole in 8 s. Speed in km/h?

- A) 67.5
- B) 18
- C) 73
- D) 58

Q9. [Quantitative] HCF of 10 and 9 is:

- A) 1
- B) 90
- C) 10
- D) 9

Q10. [Quantitative] A is twice as efficient as B. If A can complete a work in 10 days, how long will it take if both work together?

- A) 5 days
- B) 207 days
- C) 6.67 days
- D) 8 days

Q11. [Quantitative] HCF of 6 and 13 is:

- A) 1
- B) 78
- C) 6
- D) 13

Q12. [Quantitative] HCF of 21 and 23 is:

- A) 1
- B) 483
- C) 21
- D) 23

Q13. [Quantitative] HCF of 4 and 7 is:

- A) 1
- B) 28
- C) 4
- D) 7

Q14. [Quantitative] If the word TRADE is coded as XVEHI, then how the word PUBLIC should be coded?

- A) TYFPMG
- B) None of these
- C) Cannot be determined
- D) Data inadequate

Q15. [Quantitative] HCF of 8 and 13 is:

- A) 1
- B) 104
- C) 8
- D) 13

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. A

$\gcd(7,13)=1$.

Q5. A

$\gcd(6,18)=6$.

Q6. A

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

Q7. A

$\gcd(6,4)=2$.

Q8. A

$150/8 \text{ m/s} = 67.5 \text{ km/h}$.

Q9. A

$\gcd(10,9)=1$.

Q10. C

Correct answer: 6.67 days

Q11. A

$\gcd(6,13)=1$.

Q12. A

$\gcd(21,23)=1$.

Q13. A

$\gcd(4,7)=1$.

Q14. A

Correct answer: TYFPMG

Q15. A

$\gcd(8,13)=1$.