

LinkedIn 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: [LinkedIn 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? [LinkedIn 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? [LinkedIn paper]

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

Q4. [Quantitative] HCF of 25 and 8 is:

- A) 1
- B) 200
- C) 25
- D) 8

Q5. [Quantitative] HCF of 4 and 19 is:

- A) 1
- B) 76
- C) 4
- D) 19

Q6. [Quantitative] HCF of 3 and 8 is:

- A) 1
- B) 24
- C) 3
- D) 8

Q7. [Quantitative] A sum of money amounts to ₹19800 after 5 years and ₹12005 after 8 years at the same rate of simple interest. Find the rate of interest per annum.

- A) 12% per annum
- B) 14% per annum
- C) 8% per annum
- D) 16% per annum

Q8. [Quantitative] Price rises by 25%. By what % should consumption fall to keep expenditure the same?

- A) 20%
- B) 25%
- C) 16%
- D) 30%

Q9. [Quantitative] HCF of 23 and 6 is:

- A) 1
- B) 138
- C) 23
- D) 6

Q10. [Quantitative] HCF of 20 and 6 is:

- A) 2
- B) 60
- C) 20
- D) 6

Q11. [Quantitative] HCF of 7 and 19 is:

- A) 1
- B) 133
- C) 7
- D) 19

Q12. [Quantitative] HCF of 4 and 15 is:

- A) 1
- B) 60
- C) 4
- D) 15

Q13. [Quantitative] A bank offers a loan of ₹150,000 at 8% per annum simple interest. What is the interest after 2 years?

- A) ₹16,400
- B) ₹18,200
- C) ₹18,000
- D) ₹19,600

Q14. [Quantitative] CI on ₹15,000 at 10% p.a. for 2 years (annual)?

- A) ₹11,050
- B) ₹11,000
- C) ₹11,100
- D) ₹11,000

Q15. [Quantitative] HCF of 5 and 25 is:

- A) 5
- B) 25
- C) 7
- D) 8

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

$\gcd(25,8)=1$.

Q5. A

$\gcd(4,19)=1$.

Q6. A

$\gcd(3,8)=1$.

Q7. A

Let Principal = P, Rate = R% After 5 years: $P + (P \times R \times 5)/100 = 9800$ After 8 years: $P + (P \times R \times 8)/100 = 12005$

Subtracting: $(P \times R \times 3)/100 = 12005 - 9800 = 2205$ $P \times R = 73500$ From first equation: $P + (73500 \times 5)/100 = 9800$ $P + 3675 = 9800$ $P = 6125$ Rate R =

Q8. A

Reduction = $25/(100+25) \times 100 = 20\%$.

Q9. A

$\gcd(23,6)=1$.

Q10. A

$\gcd(20,6)=2$.

Q11. A

$\gcd(7,19)=1$.

Q12. A

$\gcd(4,15)=1$.

Q13. C

Correct answer: 18,000

Q14. A

$P((1+r)^2 - 1) = 1050$.

Q15. A

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