

Dell 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: [Dell 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? [Dell 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? [Dell paper]

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

Q4. [Quantitative] HCF of 16 and 2 is:

- A) 2
- B) 16
- C) 4
- D) 5

Q5. [Quantitative] A can complete a work in 12 days, B in 15 days. They work together for 4 days, then A leaves. How long will B take to complete the remaining work?

- A) 7 days
- B) 206 days
- C) 6 days
- D) 5 days

Q6. [Quantitative] HCF of 25 and 3 is:

- A) 1
- B) 75
- C) 25
- D) 3

Q7. [Quantitative] A and B finish a job in 12 and 18 days. Working together they finish in:

- A) 7.2 days
- B) 7.5 days
- C) 6 days
- D) 8 days

Q8. [Quantitative] HCF of 21 and 10 is:

- A) 1
- B) 210
- C) 21
- D) 10

Q9. [Quantitative] HCF of 5 and 11 is:

- A) 1
- B) 55
- C) 5
- D) 11

Q10. [Quantitative] If all roses are flowers, and some flowers are red, which must be true?

- A) All roses are red
- B) Some roses are red
- C) Some red things are flowers
- D) None of the above

Q11. [Quantitative] HCF of 22 and 11 is:

- A) 11
- B) 22
- C) 13
- D) 14

Q12. [Quantitative] Marked 60% above cost with 25% discount. Profit %?

- A) 20.0%
- B) 35%
- C) 60%
- D) 25%

Q13. [Quantitative] HCF of 12 and 4 is:

- A) 4
- B) 12
- C) 6
- D) 7

Q14. [Quantitative] HCF of 3 and 6 is:

- A) 3
- B) 6
- C) 5
- D) 6

Q15. [Quantitative] HCF of 22 and 5 is:

- A) 1
- B) 110
- C) 22
- D) 5

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

$\gcd(16,2)=2$.

Q5. C

Correct answer: 6 days

Q6. A

$\gcd(25,3)=1$.

Q7. A

$1/12 + 1/18 = 5/36$!' $36/5 = 7.2$ days.

Q8. A

$\gcd(21,10)=1$.

Q9. A

$\gcd(5,11)=1$.

Q10. C

From "all roses are flowers" and "some flowers are red", we cannot conclude about roses being red. But "some red things are flowers" must be true.

Q11. A

$\gcd(22,11)=11$.

Q12. A

$SP/CP = 1.6 \times 0.75$!' 20.0%.

Q13. A

$\gcd(12,4)=4$.

Q14. A

$\gcd(3,6)=3$.

Q15. A

$\gcd(22,5)=1$.