

CDAC Placement Papers 2026

15 MCQs with answer key · Free download

Questions

Q1. [Quantitative] A machine produces 120 units/hour. How many hours for 900 units with 10% downtime?
[CDAC paper]

- A) 8.33 hrs
- B) 7.5 hrs
- C) 9 hrs
- D) 8 hrs

Q2. [Technical] Which principle minimizes defects by detecting errors early in engineering processes? [CDAC paper]

- A) Shift-left quality
- B) Big-bang testing only
- C) Ignore unit tests
- D) Defer QA

Q3. [Quantitative] HCF of 7 and 17 is:

- A) 1
- B) 119
- C) 7
- D) 17

Q4. [Reasoning] If every letter is shifted +2 in the alphabet, SUN becomes:

- A) UWP
- B) Cannot be determined
- C) None follows
- D) Data inadequate

Q5. [Quantitative] HCF of 24 and 11 is:

- A) 1
- B) 264
- C) 24
- D) 11

Q6. [Reasoning] Find the missing number: 3, 7, 15, 31, 63, ?

- A) 127
- B) 152
- C) 327
- D) 102

Q7. [Quantitative] HCF of 21 and 2 is:

- A) 1
- B) 42
- C) 21
- D) 2

Q8. [Quantitative] A finishes in 9 days, B in 18 days. Days together?

- A) 6.0 days
- B) 13.5 days
- C) 9 days
- D) 9 days

Q9. [Quantitative] HCF of 13 and 14 is:

- A) 1
- B) 182
- C) 13
- D) 14

Q10. [Quantitative] HCF of 11 and 24 is:

- A) 1
- B) 264
- C) 11
- D) 24

Q11. [Reasoning] Statements: All dogs are animals. Some animals are pets. Conclusion: Some dogs are pets.

- A) Follows
- B) Does not follow
- C) Either
- D) Both follow

Q12. [Quantitative] A number is first increased by 25% and then decreased by 20%. Find the net percentage change.

- A) -4% (no change)
- B) 2% (no change)
- C) 0% (no change)
- D) 4% (no change)

Q13. [Quantitative] HCF of 20 and 21 is:

- A) 1
- B) 420
- C) 20
- D) 21

Q14. [Reasoning] Find next number: 1, 4, 9, 16, 25, ?

- A) 29
- B) 236
- C) 36
- D) 43

Q15. [Quantitative] A train 150 m long runs at 54 km/h. Time to cross a man standing is:

- A) 10 s
- B) 12 s
- C) 8 s
- D) 15 s

Answer Key & Explanations

Q1. A

Effective 108/hr !' 900/108 "H 8.33.

Q2. A

Common PSU/core interview quality theme.

Q3. A

$\gcd(7,17)=1$.

Q4. A

Each letter +2 !' UWP.

Q5. A

$\gcd(24,11)=1$.

Q6. A

Correct answer: 127

Q7. A

$\gcd(21,2)=1$.

Q8. A

$1/9+1/18$!' 6.0 days.

Q9. A

$\gcd(13,14)=1$.

Q10. A

$\gcd(11,24)=1$.

Q11. B

No definite relation that dogs are pets.

Q12. C

Let number = 100 After 25% increase: $100 + 25 = 125$ After 20% decrease: $125 - 20\% \text{ of } 125 = 125 - 25 = 100$ Net change = 0%

Q13. A

$\gcd(20,21)=1$.

Q14. C

Pattern: n^2 where $n = 1, 2, 3, 4, 5 \dots$ $1^2=1, 2^2=4, 3^2=9, 4^2=16, 5^2=25$ Next: $6^2 = 36$

Q15. A

$54 \text{ km/h} = 15 \text{ m/s}$. Time = $150/15 = 10 \text{ s}$.