

Reasoning Practice Questions

These are PYQ-style reasoning questions.

Series

Q1

Find the next number:

3, 6, 12, 24, 48, ?

- A. 72
- B. 84
- C. 96
- D. 108

Answer: C

Pattern: $\times 2$.

Q2

Find the next number:

5, 9, 17, 33, 65, ?

- A. 97
- B. 120
- C. 129
- D. 135

Answer: C

Pattern: $\times 2 - 1$? Actually $5 \rightarrow 9 (+4)$, $9 \rightarrow 17 (+8)$, $17 \rightarrow 33 (+16)$, $33 \rightarrow 65 (+32)$, next $+64 = 129$.

Q3

Find the missing letter:

B, D, G, K, P, ?

- A. T
- B. U

- C. V
- D. W

Answer: C

Positions: 2,4,7,11,16. Differences: +2,+3,+4,+5, next +6 = 22 = V.

Coding-decoding

Q4

If CAT is coded as DBU, then DOG is coded as:

- A. EPH
- B. ENH
- C. FPH
- D. EOG

Answer: A

Pattern: each letter +1.

Q5

If MANGO is written as NAMGO, then APPLE is written as:

- A. PAPLE
- B. APPEL
- C. PPALE
- D. LAPPE

Answer: A

Pattern: first two letters swapped.

Blood relation

Q6

A is the mother of B. B is the brother of C. C is the daughter of D. How is D related to A?

- A. Husband
- B. Brother
- C. Father
- D. Cannot be determined

Answer: D

Explanation: D is parent of C, but gender and marital relation to A are not directly confirmed.

Q7

P is the father of Q. Q is the sister of R. R is the son of S. How is S related to P?

- A. Wife
- B. Husband
- C. Spouse
- D. Cannot be determined

Answer: C

S is parent of R and Q; P is father of Q. Most likely spouse, but gender of S not known, so “spouse” is safest.

Direction

Q8

A person walks 5 km north, then 3 km east, then 5 km south. How far is he from starting point?

- A. 3 km
- B. 5 km
- C. 8 km
- D. 13 km

Answer: A

Syllogism

Q9

Statements:

- All dogs are animals.
- Some animals are cats.

Conclusion:

1. Some dogs are cats.
2. All cats are animals.

- A. Only 1 follows
- B. Only 2 follows
- C. Both follow
- D. Neither follows

Answer: D

Neither is guaranteed.

Statement-conclusion

Q10

Statement: Wind is an inexhaustible energy source and aerogenerators can convert it into electricity. There is vast potential for wind energy.

Conclusions:

1. Wind energy is a useful alternative energy area.
2. More exploration of wind energy can help energy needs.

- A. Only 1 follows
- B. Only 2 follows
- C. Both follow
- D. Neither follows

Answer: C

Data sufficiency

Q11

Question: Is x greater than 10?

Statement I: $x > 8$

Statement II: x is even

- A. I alone sufficient
- B. II alone sufficient
- C. Both sufficient
- D. Not sufficient

Answer: D

Even and greater than 8 could be 10 or 12.