

## IRDAI Grade A Reasoning Questions with Solutions

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### Q1. Syllogism

Statements:

- All cars are vehicles.
- Some vehicles are bikes.

Conclusions:

- I. Some cars are bikes.
- II. Some vehicles are cars.

**Answer:** Only conclusion II follows.

**Explanation:** All cars are vehicles, but vehicles include other things too.

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### Q2. Direction Sense

A person walks 6 km north, turns left and walks 3 km, then turns left again and walks 6 km. Where is the person now relative to the starting point?

**Answer:** 3 km west

**Explanation:** After two left turns, he is west and 3 km away.

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### Q3. Blood Relations

Pointing to a girl, Rahul says, "She is the daughter of the only son of my grandfather." How is the girl related to Rahul?

**Answer:** Sister

**Explanation:** The only son of Rahul's grandfather is Rahul's father.

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### Q4. Coding-Decoding

If TABLE is coded as UBCMF, what is the code for CHAIR?

**Answer:** DIBJS

**Explanation:** Each letter is shifted by +1 in the alphabet.

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### Q5. Inequality

Statements:  $P > Q = R < S$

Which is true?

**Answer:**  $P > R$

**Explanation:**  $Q = R$  and  $P > Q$  means  $P > R$ .

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**Q6. Seating Arrangement**

Five friends A, B, C, D, and E sit in a row. A is to the right of C, B is to the left of D, and E is at one end. Who sits in the middle?

**Answer:** A

**Explanation:** Possible arrangement: E - B - A - C - D

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**Q7. Alphabet Series**

What comes next? A, C, F, J, O, ?

**Answer:** U

**Explanation:** The pattern of increasing gaps between letters.

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**Q8. Number Series**

Find the next number: 5, 10, 20, 40, ?

**Answer:** 80

**Explanation:** Each number is multiplied by 2.

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**Q9. Syllogism**

Statements: All fruits are sweet. Some sweets are chocolates.

Conclusions:

I. Some fruits are chocolates.

II. Some chocolates are fruits.

**Answer:** Neither conclusion follows.

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**Q10. Direction Sense**

A man walks 8 km east, then turns north and walks 6 km. What is the shortest distance from the starting point?

**Answer:** 10 km

**Explanation:** Use Pythagoras theorem:  $\sqrt{(8^2 + 6^2)} = 10$

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**Q11. Blood Relations**

If A is the father of B and B is the mother of C, how is A related to C?

**Answer:** Grandfather

**Explanation:** A is B's father, B is mother of C.

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**Q12. Coding-Decoding**

In a code, BOOK is written as CPPM. How is PEN coded?

**Answer:** QFO

**Explanation:** Each letter is shifted by +1.

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**Q13. Inequality**

Statements:  $X \geq Y = Z < W$

Which is correct?

**Answer:**  $X > Z$

**Explanation:**  $Y = Z$  and  $X \geq Y$  implies  $X \geq Z$ .

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**Q14. Seating Arrangement**

Six people sit in a circle. Who sits opposite A if B is to the immediate right of A, and C is opposite B?

**Answer:** D

**Explanation:** Opposite pairs in circle seating.

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**Q15. Alphabet Series**

Complete the series: Z, X, V, T, ?

**Answer:** R

**Explanation:** Letters moving backward by 2 positions.

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**Q16. Number Series**

Find the next number: 2, 6, 12, 20, ?

**Answer:** 30

**Explanation:** The difference increases by 2, 4, 6, 8...

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**Q17. Syllogism**

Statements: No dogs are cats. Some cats are pets.

Conclusions:

I. Some pets are dogs.

II. No dogs are pets.

**Answer:** Neither follows.

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**Q18. Direction Sense**

A man walks 5 km west, turns left and walks 2 km, then turns left again and walks 5 km. What direction is he facing?

**Answer:** East

**Explanation:** Two left turns from west leads to east.

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**Q19. Blood Relations**

Pointing to a woman, John says, "She is the mother of my wife." How is she related to John?

**Answer:** Mother-in-law

**Explanation:** Mother of wife = mother-in-law.

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**Q20. Coding-Decoding**

If CAT is coded as DBU, how is DOG coded?

**Answer:** EPH

**Explanation:** Each letter shifted by +1.

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**Q21. Puzzle**

There are 5 houses in a row painted in different colors. The blue house is immediately to the left of the green house. The red house is third from the left. Which house is in the middle?

**Answer:** Green house

**Explanation:** The green house is in the middle based on the given positions.

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**Q22. Number Series**

Find the next number: 1, 4, 9, 16, 25, ?

**Answer:** 36

**Explanation:** These are perfect squares ( $1^2$ ,  $2^2$ ,  $3^2$ ,  $4^2$ ,  $5^2$ ,  $6^2$ ).

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**Q23. Syllogism**

Statements: All birds are animals. Some animals can fly.

Conclusions:

I. Some birds can fly.

II. Some animals are birds.

**Answer:** Only conclusion II follows.

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**Q24. Direction Sense**

A man walks 10 km south, then 5 km east, and 10 km north. How far is he from the starting point?

**Answer:** 5 km

**Explanation:** He is 5 km east from the start.

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**Q25. Blood Relations**

Pointing to a man, she says, "He is my mother's only son." How is he related to her?

**Answer:** Brother

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**Q26. Coding-Decoding**

If TREE is coded as USFF, how is LEAF coded?

**Answer:** MFBG

**Explanation:** Each letter is shifted by +1.

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**Q27. Inequality**

Statements:  $M > N = O < P$

Which is true?

**Answer:**  $M > O$

**Explanation:** Since  $N = O$  and  $M > N$ , then  $M > O$ .

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**Q28. Seating Arrangement**

Four people P, Q, R, and S sit in a row. P is to the left of Q and right of R. Who is in the middle?

**Answer:** P

**Explanation:** The order is R - P - Q - S.

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**Q29. Alphabet Series**

Find the missing letter: B, D, G, K, P, ?

**Answer:** V

**Explanation:** The difference between letters increases by 1.

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**Q30. Number Series**

Next number: 3, 6, 12, 24, ?

**Answer:** 48

**Explanation:** Multiply by 2 each time.

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**Q31. Syllogism**

Statements: All pens are pencils. Some pencils are erasers.

Conclusions:

I. Some pens are erasers.

II. Some erasers are pencils.

**Answer:** Only conclusion II follows.

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**Q32. Direction Sense**

A man walks 3 km east, turns south and walks 4 km. Distance from start?

**Answer:** 5 km

**Explanation:** Using Pythagoras theorem.

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**Q33. Blood Relations**

If A is the father of B, and B is the brother of C, how is C related to A?

**Answer:** Child

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**Q34. Coding-Decoding**

If LOVE is coded as NQXF, how is HATE coded?

**Answer:** IBUF

**Explanation:** Each letter is shifted by +1.

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**Q35. Inequality**

Statements:  $X < Y = Z > W$

Which is true?

**Answer:**  $Y > W$

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**Q36. Seating Arrangement**

Six people sit in a circle. Who sits opposite to A if B is immediately right of A?

**Answer:** D

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**Q37. Alphabet Series**

Find the missing letter: Z, W, T, Q, N, ?

**Answer:** K

**Explanation:** Letters decrease by 3 each time.

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**Q38. Number Series**

Find the next number: 10, 20, 40, 80, ?

**Answer:** 160

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**Q39. Syllogism**

Statements: No cars are bikes. Some bikes are scooters.

Conclusions:

I. Some scooters are cars.

II. Some bikes are cars.

**Answer:** Neither follows.

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**Q40. Direction Sense**

A man walks 7 km north, turns right and walks 3 km. What direction is he facing?

**Answer:** East

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**Q41. Blood Relations**

Pointing to a man, a woman says, "He is my father's only son." How is he related to her?

**Answer:** Brother

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**Q42. Coding-Decoding**

If CODE is written as DPEF, how is DATA written?

**Answer:** EBUB

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**Q43. Inequality**

Statements:  $A = B > C = D$

Which is true?

**Answer:**  $A > C$

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**Q44. Seating Arrangement**

Five people sit in a row. A is left of B but right of C. Who sits in the middle?

**Answer:** A

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**Q45. Alphabet Series**

Find the missing letter: A, E, I, M, ?

**Answer:** Q

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**Q46. Number Series**

Next number: 1, 3, 6, 10, 15, ?

**Answer:** 21

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**Q47. Syllogism**

Statements: Some apples are red. All red things are sweet.

Conclusions:

I. Some apples are sweet.

II. All apples are sweet.

**Answer:** Only conclusion I follows.

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**Q48. Direction Sense**

A man walks 5 km west, turns right and walks 3 km, then left and walks 2 km. Where is he?

**Answer:** 5 km west and 5 km south from start.

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**Q49. Blood Relations**

Pointing to a woman, John says, "She is the wife of my father's son." How is she related to John?

**Answer:** Wife (John's wife or sister-in-law depending on interpretation)

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**Q50. Coding-Decoding**

If DOG is coded as EPH, how is CAT coded?

**Answer:** DBU