

Notes on Puzzles for MAH MCA CET Exam

Puzzles test logical thinking, pattern recognition, and problem-solving skills. They require understanding given conditions and deriving conclusions.

Types of Puzzles

1. Seating Arrangement Puzzles

- People sitting in a row, circle, or square.
 - Types:
 - **Linear Arrangement:** Single-row or double-row seating.
 - **Circular Arrangement:** People sitting around a circular table.
 - **Square/Rectangular Arrangement:** People sitting around a square table.
 - **Example:**
 - Five friends (A, B, C, D, E) sit in a row. B is to the right of A, but left of C. Who is in the middle?
 - **Tips to Solve:**
 - Use diagrams to arrange positions.
 - Identify fixed positions and relationships first.
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2. Blood Relation Puzzles

- Questions involving family relationships like father, mother, sister, brother, etc.
 - **Example:**
 - A is the father of B. B is married to C. C is the mother of D. How is A related to D?
 - **Tips to Solve:**
 - Use family tree diagrams.
 - Look for gender clues (e.g., mother/father).
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3. Floor-Based Puzzles

- People living on different floors of a building with given conditions.
- **Example:**
 - Six people (P, Q, R, S, T, U) live on different floors. P lives on an even-numbered floor, R lives above Q. Who lives on the top floor?

- **Tips to Solve:**
 - Start with fixed information.
 - Use elimination for remaining possibilities.
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4. Scheduling Puzzles

- Events happening on different days, months, or years.
 - **Example:**
 - Five employees (A, B, C, D, E) attend meetings on different days of the week. A attends on Monday, B on Wednesday. Who attends on Friday?
 - **Tips to Solve:**
 - Arrange data in a tabular format.
 - Identify fixed events first.
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5. Mathematical/Logical Puzzles

- Involves numbers, sequences, or patterns.
 - **Example:**
 - What comes next in the series? 2, 6, 12, 20, __?
 - **Tips to Solve:**
 - Identify patterns (addition, multiplication, squares, etc.).
 - Try breaking the number sequence logically.
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Multiple Choice Questions (MCQs) on Puzzles

1. Seating Arrangement Puzzle

Six friends (A, B, C, D, E, F) sit in a row facing north. C sits third to the right of A. B sits at one end. Who sits in the middle?

- A) A
- B) C
- C) D
- D) E

Answer: C) D

2. Blood Relation Puzzle

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

- A) Father

- B) Uncle
 - C) Grandfather
 - D) Brother
- Answer:** B) Uncle
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3. Floor-Based Puzzle

In a 5-floor building, five people (P, Q, R, S, T) live on different floors. Q lives above R but below S. P lives on the top floor. Who lives on the lowest floor?

- A) Q
- B) R
- C) T
- D) S

Answer: B) R

4. Scheduling Puzzle

Five students (A, B, C, D, E) take exams on different days of the week. A has an exam on Monday, and C has an exam on Friday. If B has an exam between A and C, when is B's exam?

- A) Tuesday
- B) Wednesday
- C) Thursday
- D) Saturday

Answer: B) Wednesday

5. Number Puzzle

Find the missing number: 5, 11, 17, 23, ___?

- A) 28
- B) 29
- C) 30
- D) 31

Answer: B) 29
