

Notes on Blood Relations for MAH MCA CET Exam

Blood Relation questions test your ability to identify relationships between family members based on given information. These questions require **logical reasoning** and **family tree analysis**.

Types of Blood Relation Questions

1. Direct Blood Relations

- These involve **simple relationships** such as:
 - **Father – Son/Daughter**
 - **Mother – Son/Daughter**
 - **Brother – Sister**
 - **Husband – Wife**
 - **Uncle – Nephew/Niece**

Example:

☞ A is the father of B. B is the brother of C. How is A related to C?

☑ **Answer:** Father

2. Puzzle-Based Blood Relations

- These involve complex statements requiring step-by-step analysis.

Example:

☞ P is the brother of Q. Q is the mother of R. How is P related to R?

☑ **Answer:** Maternal Uncle

3. Coded Blood Relations

- Uses symbols (+, -, *, #) to represent relationships.
 - $A + B \rightarrow$ A is the father of B
 - $A - B \rightarrow$ A is the mother of B
 - $A * B \rightarrow$ A is the brother of B
 - $A \# B \rightarrow$ A is the sister of B

Example:

☞ $A + B - C$ means **A is the father of B, and B is the mother of C.**

☑ **Answer:** A is the grandfather of C.

4. Family Tree Diagram Questions

- Used when multiple relations are involved.
- **Draw a tree structure** for clarity.

Example:

☞ A is the father of B, and B is the mother of C. D is the wife of A.

Question: How is D related to C?

☒ **Answer:** Grandmother

Important Relationships Chart

Relation	Male	Female
Parent	Father	Mother
Sibling	Brother	Sister
Offspring	Son	Daughter
Uncle/Aunt	Uncle	Aunt
Grandparent	Grandfather	Grandmother
Cousin	Male cousin	Female cousin

Tips to Solve Blood Relation Questions

- ✓ **Use a family tree** to simplify complex relations.
- ✓ **Break down statements** step by step.
- ✓ **Identify the gender first** if not given explicitly.
- ✓ **Look at generation gaps** to find relationships faster.

MCQs on Blood Relations

1. Basic Blood Relation

A is the father of B. B is the sister of C. How is A related to C?

- A) Brother
- B) Father
- C) Uncle
- D) Grandfather

☒ **Answer:** B) Father

2. Puzzle-Based Question

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

- A) Grandmother

- B) Mother
- C) Aunt
- D) Sister

☒ **Answer:** A) Grandmother

3. Coded Blood Relation

If $A + B$ means **A is the father of B**, $A - B$ means **A is the mother of B**, $A * B$ means **A is the brother of B**, and $A \# B$ means **A is the sister of B**, then what does $X + Y - Z$ mean?

- A) X is the father of Z
- B) Y is the mother of Z
- C) X is the grandfather of Z
- D) Z is the uncle of X

☒ **Answer:** C) X is the grandfather of Z

4. Family Tree Based Question

A is the father of B, and B is the mother of C. D is the husband of A. How is D related to C?

- A) Grandfather
- B) Grandmother
- C) Uncle
- D) Brother

☒ **Answer:** A) Grandfather

5. Indirect Blood Relation

A is the brother of B, B is the mother of C, and C is the sister of D. How is A related to D?

- A) Uncle
- B) Father
- C) Grandfather
- D) Brother

☒ **Answer:** A) Uncle
