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**Logical Reasoning Tricks and Techniques for**

**Exam: IAS, PCS, UPSC, Bank PO, NDA, RRB, SSC, Indian Air Force, Etc.**

## **VERBAL REASONING-BLOOD RELATIONS(ENGLISH)**

**Q1. Pointing to a woman in a photograph, John says, "Her son's father is the brother of my father." How is the woman related to John?**

**Solution 1 (Long):** John's father has a brother. This brother is the father of the woman's son. Since a son's father is the same as his biological father, this means the woman's son's father is John's uncle. Because John's father and uncle are siblings, the woman must be John's aunt.

**Solution 2 (Short):** "Brother of my father" translates to John's uncle. The uncle is the father of the woman's son, making the woman John's aunt (paternal).

**Q2. A man introduces a lady saying, "She is the daughter of the only son of my mother." How is the lady related to the man?**

**Solution 1 (Long):** The man's mother has only one son. This son is the man himself (since he wouldn't call someone else his mother's only son). The daughter of this son is the man's daughter. However, the question says "lady," implying she's not that young. Therefore, the lady must be the man's daughter.

**Solution 2 (Short):** "Only son of my mother" refers to the man himself. The lady is the daughter of the man, making her his daughter.

**Q3. Ramesh introduces Seema as "the daughter of the woman whose husband is my father's brother." How is Seema related to Ramesh?**

**Solution 1 (Long):** Ramesh's father has a brother. This brother is the husband of a woman. This woman's daughter is Seema. The brother of Ramesh's father is his uncle. The uncle's wife is Ramesh's aunt. Since Seema is the daughter of Ramesh's aunt, she is Ramesh's cousin.

**Solution 2 (Short):** "Father's brother" is Ramesh's uncle. His uncle's wife is Ramesh's aunt. Seema is the daughter of the aunt, making her Ramesh's cousin.

**Q4. Pointing to a photo, a girl says, "The man is the father of the brother of my mother." How is the man related to the girl?**

**Solution 1 (Long):** The girl's mother has a brother. This brother is the girl's uncle. The father of the girl's uncle is the girl's grandfather (since a brother's father is the same as their shared biological father).

**Solution 2 (Short):** "Brother of my mother" is the girl's uncle. The man is the father of the uncle, making him the girl's grandfather.

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**Q5. A woman says to a man, "Your father's sister is my mother-in-law." How is the woman related to the man?**

**Solution 1 (Long):** The man's father has a sister. This sister is the wife of the woman's mother-in-law. A mother-in-law is the mother of one's spouse. Therefore, the woman's spouse (husband/wife) is the child of the man's father's sister. This makes the man's father's sister the spouse's parent, which is the man's aunt. The woman is the spouse of the man's nephew/niece (depending on the spouse's gender), making her the man's aunt-in-law.

**Solution 2 (Short):** "Father's sister" is the man's aunt. The woman's spouse is the child of the aunt, making the woman the man's **aunt-in-law**.

**Q 6. Pointing to a couple, Meena says, "The woman is the wife of my father's son." How is Meena related to the man?**

**Solution 1 (Long):** Meena's father has a son. This son is Meena's brother (since she wouldn't call someone else her father's son). The wife of Meena's brother is her sister-in-law. However, the question specifies a man. Therefore, the man must be Meena's brother.

**Solution 2 (Short):** "Father's son" is Meena's brother. The woman is the wife of the brother, making the man Meena's brother. (Tip: Look for keywords like "wife" or "husband" to identify spouses)

**Q7. Rahul says, "I have only one child and she is the daughter of the woman whose brother is my father-in-law." How is Rahul related to the child?**

**Solution 1 (Long):** Rahul's father-in-law is the father of his spouse. The brother of Rahul's father-in-law is the uncle of his spouse. The daughter of this uncle is the child of Rahul's spouse's sibling. Since Rahul states he has only one child, this child must be from his marriage. Therefore, the child is Rahul's daughter.

**Solution 2 (Short):** "Father-in-law" is the father of Rahul's spouse. His spouse's sibling (brother/sister) is the child's parent, making the child Rahul's daughter. (Tip: Look for in-law relations and identify children of the spouse's siblings)

**Q8. Pointing to a boy, a man says, "His mother is the daughter of my wife's mother." How is the man related to the boy?**

**Solution 1 (Long):** The man's wife's mother is his mother-in-law. The daughter of the mother-in-law is the man's wife's sister. The son of the man's wife's sister is his nephew (child of a sibling).

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Solution 2 (Short): "Wife's mother" is the man's mother-in-law. Her daughter is the man's wife's sister. The boy is the child of the sister, making him the man's nephew. (Tip: Identify siblings of the spouse through in-law relations)

**Q9. Introducing a girl, Smita says, "She is the daughter of the one who is the brother of my mother's husband." How is Smita related to the girl?**

Solution 1 (Long): Smita's mother's husband is her father. The brother of Smita's father is her uncle. The daughter of her uncle is her cousin.

Solution 2 (Short): "Mother's husband" is Smita's father. His brother is Smita's uncle. The girl is the daughter of the uncle, making her Smita's cousin. (Tip: Look for siblings of parents to identify cousins)

**Q10. A woman says to a man, "Your paternal aunt is my mother's sister-in-law." How is the woman related to the man?**

Solution 1 (Long): The man's paternal aunt is his father's sister. A sister-in-law is the wife of one's sibling (brother/sister). Therefore, the woman's spouse (husband/wife) is the sibling of the man's father's sister. This makes the man's father's sister the spouse's parent, which is the man's aunt. The woman is the spouse of the man's uncle/aunt (depending on the spouse's gender), making her the man's aunt-in-law.

Solution 2 (Short): "Paternal aunt" is the man's father's sister. The woman's spouse is the sibling of the aunt, making the woman the man's aunt-in-law. (Tip: Combine in-law relations with parent siblings to identify aunts/uncles-in-law)

**Q11. Pointing to a woman, a man says, "She is the mother of my brother's son." How is the man related to the woman?**

Solution 1 (Long): The man's brother has a son. This son is the man's nephew. The mother of the man's nephew is his brother's wife (since a son's mother is his biological mother).

Solution 2 (Short): "Brother's son" is the man's nephew. The woman is the mother of the nephew, making her the man's brother's wife (sister-in-law).

**Q12. A woman says to a man, "Your daughter is the granddaughter of my husband's father." How is the woman related to the man?**

Solution 1 (Long): The woman's husband's father is her father-in-law. The granddaughter of the father-in-law is the child of the spouse's son/daughter (child of their child).

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Solution 2 (Short): "Husband's father" is the woman's father-in-law. The man's daughter is the child of their child, making the woman the man's daughter-in-law.

**Q13. Pointing to a picture, Aman says, "The man is the son of the woman whose husband is my father's brother." How is Aman related to the man in the picture?**

Solution 1 (Long): Aman's father has a brother. This brother is the husband of a woman. The son of this woman is the child of Aman's uncle's wife. Therefore, the man is Aman's cousin.

Solution 2 (Short): "Father's brother" is Aman's uncle. The man is the child of the uncle's wife, making him Aman's cousin.

**Q14. Kavita says, "My brother's son-in-law's sister is the wife of the man in the photograph." How is Kavita related to the man?**

Solution 1 (Long): Kavita's brother's son-in-law is married to Kavita's brother's daughter. The sister of this son-in-law is the wife of the man. Since a wife shares the same spouse, the man must be the brother of Kavita's brother's daughter's husband (son-in-law). Therefore, the man is Kavita's brother's daughter's brother-in-law, which makes him Kavita's nephew.

Solution 2 (Short): "Brother's son-in-law" is married to Kavita's niece. The man is the brother of the niece's husband, making him Kavita's nephew. (Tip: Follow the chain of in-law relations)

**Q15. Pointing to a lady, a man says, "She is the daughter of the only sister of my mother." How is the man related to the lady?**

Solution 1 (Long): The man's mother has only one sister. This sister is the man's aunt (mother's sibling). The daughter of the man's aunt is his cousin.

Solution 2 (Short): "Only sister of my mother" is the man's aunt. The lady is the daughter of the aunt, making her the man's cousin.

**Q16. A woman introduces a man saying, "He is the son of my husband's sister." How is the man related to the woman?**

Solution 1 (Long): The woman's husband has a sister. The son of this sister is the woman's husband's nephew (child of a sibling).

Solution 2 (Short): "Husband's sister" is the woman's sister-in-law. The man is the child of the sister-in-law, making him the woman's husband's nephew.

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**Q17. Pointing to a photo, a girl says, "The lady is the wife of the man whose sister is my mother." How is the girl related to the lady?**

Solution 1 (Long): The girl's mother has a sister. This sister is the girl's aunt. The wife of the man whose sister is the girl's aunt is the wife of the girl's uncle.

Solution 2 (Short): "Sister of my mother" is the girl's aunt. The lady is the wife of the girl's uncle, making her the girl's aunt-in-law. (Tip: Look for spouses of siblings of parents)

**Q18. A man says to a woman, "Your daughter is the paternal niece of my wife." How is the man related to the woman?**

Solution 1 (Long): A paternal niece is the daughter of a man's brother. The man's wife has a niece, so her brother (the man's brother-in-law) must have a daughter (the woman's daughter).

Solution 2 (Short): "Paternal niece of my wife" means the daughter of the woman's brother-in-law (wife's brother). The woman's daughter is the child of her brother-in-law, making the man the woman's brother-in-law.

**Q19. Pointing to a boy, a woman says, "He is the son of my mother-in-law's daughter." How is the woman related to the boy?**

Solution 1 (Long): The woman's mother-in-law is the mother of her spouse. The daughter of the mother-in-law is the spouse's sibling (brother/sister). The son of the spouse's sibling is the woman's nephew (child of a sibling).

Solution 2 (Short): "Mother-in-law's daughter" is the woman's spouse's sibling. The boy is the child of the sibling, making him the woman's nephew. (Tip: Look for children of spouse's siblings through in-law relations)

**Q20. Introducing a girl, a man says, "She is the daughter of the one who is married to my father's brother's son." How is the man related to the girl?**

Solution 1 (Long): The man's father's brother's son is his cousin (child of his father's sibling). The person married to his cousin is his cousin's spouse. The daughter of the cousin's spouse is the child of a person who is related to the man by blood (though not a direct descendant).

Solution 2 (Short): "Father's brother's son" is the man's cousin. The girl is the daughter of the cousin's spouse, making her the man's first cousin once removed. (Tip: Identify removed cousins based on a marriage step in the relationship)

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**Q21. A woman says to a man, "Your paternal grandmother is my mother's mother-in-law." How is the woman related to the man?**

Solution 1 (Long): The man's paternal grandmother is his father's mother. A mother-in-law is the wife of one's parent (mother in this case). Therefore, the woman's mother is married to the man's father's father (paternal grandfather), making the woman the man's father's step-mother.

Solution 2 (Short): "Paternal grandmother" is the man's father's mother. The woman's mother is married to the man's paternal grandfather, making her the man's father's step-mother. (Tip: Combine grandparent relations with in-law relations)

**Q22. Pointing to a couple, a man says, "The woman is the daughter of my wife's brother's wife." How is the man related to the man in the couple?**

Solution 1 (Long): The man's wife's brother's wife is his sister-in-law (wife's sibling's spouse). The daughter of the sister-in-law is the child of the spouse's sibling, making her the man's wife's niece. The husband of the man's wife's niece is her niece

Short Solution: "Wife's brother's wife" is the man's sister-in-law. The woman is the child of the sister-in-law, making her the man's wife's niece. The man in the couple is married to the niece, making him the man's wife's niece's husband.

**Q23. Pointing to a couple, a man says, "The woman is the daughter of my wife's brother's wife." How is the man related to the man in the couple?**

(Solution (Long). ): "Wife's brother's wife" is the man's sister-in-law. The woman is the child of the sister-in-law, making her the man's wife's niece. The man in the couple is the husband of the niece, making him the man's wife's niece's husband.

Solution 2 (Short): Therefore, the man in the couple is married to a relative of the first man (wife's niece) but not a direct descendant.

**Q24. A woman says to a man, "Your mother is the sister of my father-in-law." How is the woman related to the man?**

Solution 1 (Long): The woman's father-in-law is the father of her spouse. The sister of the father-in-law is the spouse's aunt (parent's sibling). Therefore, the man's mother is the aunt of the woman's spouse, making the woman the man's spouse's aunt-in-law.

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Solution 2 (Short): "Father-in-law" is the father of the woman's spouse. The man's mother is the sibling of the spouse's parent, making the woman the man's spouse's aunt-in-law. (Tip: Combine in-law relations with parent siblings)

**Q25. Pointing to a photo, a girl says, "The man is the husband of the woman whose son is my brother." How is the girl related to the man?**

Solution 1 (Long): The girl's brother has a son. This makes the girl the boy's aunt (sibling's parent). The husband of the woman whose son is the girl's nephew is the girl's nephew's uncle-in-law (aunt's spouse).

Solution 2 (Short): "Brother's son" is the girl's nephew. The man is the husband of the woman with the nephew, making him the girl's nephew's uncle-in-law. (Tip: Look for spouses of relatives connected through siblings)

**Q26. A man says to a woman, "Your son is the grandson of my wife's mother." How is the man related to the woman?**

Solution 1 (Long): The man's wife's mother is his mother-in-law. The grandson of the mother-in-law is the child of the spouse's child (child of their child).

Solution 2 (Short): "Wife's mother" is the man's mother-in-law. The woman's son is the child of their child, making the man the woman's son-in-law.

**Q27. Pointing to a lady, a man says, "She is the wife of my paternal uncle's son." How is the man related to the lady?**

Solution 1 (Long): The man's paternal uncle is his father's brother. The son of his paternal uncle is his cousin (child of his father's sibling). The wife of his cousin is his cousin's spouse.

Solution 2 (Short): "Paternal uncle's son" is the man's cousin. The lady is the wife of the cousin, making her the man's cousin-in-law. (Tip: Identify spouses of cousins)

**Q28. A woman introduces a man saying, "He is the son of the one who is married to my mother's brother." How is the woman related to the man?**

Solution 1 (Long): The woman's mother's brother is her uncle (mother's sibling). The person married to her uncle is his wife (aunt). The son of the woman's aunt is her cousin.

Solution 2 (Short): "Mother's brother" is the woman's uncle. The man is the son of the aunt, making him the woman's cousin.

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**Q29. Pointing to a boy, a man says, "He is the son of the woman whose brother is my father-in-law." How is the man related to the boy?**

**Solution 1 (Long):** The man's father-in-law is the father of his spouse. The brother of the father-in-law is the spouse's uncle (parent's sibling). The son of the woman whose brother is the man's spouse's uncle is the child of the spouse's cousin (child of their parent's sibling).

**Solution 2 (Short):** "Father-in-law" is the father of the man's spouse. His spouse's uncle (parent's sibling) is the woman's brother. The boy is the child of the woman (spouse's cousin), making him the man's **spouse's first cousin once removed**. (**Tip:** Look for removed cousins based on a marriage step in the relationship through the spouse's side)

**Q30. A woman says to a man, "Your paternal aunt is the daughter of my mother's father-in-law." How is the woman related to the man?**

**Solution 1 (Long):** The man's paternal aunt is his father's sister. A father-in-law is the husband of one's parent (mother in this case). Therefore, the woman's mother's father-in-law is the grandfather (paternal) of the man's spouse (since her mother married the man's paternal grandfather). The daughter of the spouse's grandfather is the spouse's grandniece. Therefore, the woman is the man's **spouse's grandniece's aunt-in-law**.

**Solution 2 (Short):** "Paternal aunt" is the man's father's sister. The woman's mother's father-in-law is the man's spouse's grandfather. The man's aunt is the sibling of the spouse's grandfather, making the woman the man's **spouse's grandniece's aunt-in-law**. (**Tip:** Combine grandparent relations with in-law relations through the spouse's side)

**Q31. Pointing to a girl in a photo, a man says, "She is the daughter of the brother of my mother-in-law." How is the man related to the girl?**

**Solution 1 (Long):** The man's mother-in-law's brother is the spouse's uncle (parent's sibling). The daughter of the spouse's uncle is the child of the spouse's cousin (child of their parent's sibling).

**Solution 2 (Short):** "Mother-in-law's brother" is the man's spouse's uncle. The girl is the child of the spouse's cousin, making her the man's **spouse's first cousin once removed**.

**Q32. A woman says to a man, "Your daughter is the granddaughter of my husband's father." How is the woman related to the man's wife?**

**Solution 1 (Long):** The woman's husband's father is her father-in-law. The granddaughter of the father-in-law is the child of the spouse's child (child of their child). Therefore, the woman is the wife's mother-in-law (husband's mother).

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**Solution 2 (Short):** "Husband's father" is the woman's father-in-law. The man's daughter is the child of their child, making the woman the man's wife's **mother-in-law**.

**Q33: Pointing to a man in a photograph, a woman says, "He is the son of the one who is married to my paternal uncle." How is the woman related to the man?**

**Solution 1 (Long):** The woman's paternal uncle is her father's brother. The person married to her uncle is his wife (aunt). The son of the woman's aunt is her cousin.

**Solution 2 (Short):** "Paternal uncle" is the woman's uncle. The man is the son of the aunt, making him the woman's **cousin**.

**Q34: Introducing a boy, a man says, "He is the child of my wife's sister's husband." How is the man related to the boy?**

**Solution 1 (Long):** The man's wife's sister's husband is his brother-in-law (wife's sibling's spouse). The child of the brother-in-law is the nephew/niece (child of a sibling) of the man's wife.

**Solution 2 (Short):** "Wife's sister's husband" is the man's brother-in-law. The boy is the child of the brother-in-law, making him the man's wife's **nephew**.

**Q35: A man says to a woman, "Your brother is the son-in-law of my mother." How is the woman related to the man?**

**Solution 1 (Long):** The man's mother's son-in-law is married to the man's sister (child of the same parents).

**Solution 2 (Short):** "Mother's son-in-law" is married to the man's sister. The woman is the sibling of the man's sister, making her the man's **sister**.

**Q36: Pointing to a lady, a woman says, "She is the wife of the man whose daughter is my maternal aunt's daughter." How is the woman related to the lady?**

**Solution 1 (Long):** The woman's maternal aunt is her mother's sister. The daughter of the maternal aunt is the woman's cousin (child of her mother's sibling). The wife of the man whose daughter is the woman's cousin is the spouse of the woman's cousin's father (aunt's husband).

**Solution 2 (Short):** "Maternal aunt's daughter" is the woman's cousin. The lady is the wife of the cousin's father (aunt's husband), making her the woman's **cousin's uncle-in-law**.

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**Q37: A man introduces a woman saying, "She is the daughter of my father's brother's wife's sister." How is the man related to the woman?**

**Solution 1 (Long):** The man's father's brother's wife is his sister-in-law (father's sibling's spouse). The sister of the sister-in-law is another sibling of his father's brother (aunt). The daughter of this aunt is the man's first cousin (child of his father's sibling).

**Solution 2 (Short):** "Father's brother's wife's sister" is another sibling of the man's father's brother (aunt). The woman is the daughter of the aunt, making her the man's **first cousin**.

**Q38: Pointing to a photo, a girl says, "The man is the husband of my mother's best friend." How is the man related to the girl (assuming no same-sex marriage)?**

**Solution 1 (Long):** The girl's mother's best friend doesn't necessarily have a blood relation to the girl.

**Solution 2 (Short):** The information provided only establishes the man's relation to the girl's mother (best friend). There's no direct blood relation between the man and the girl.

**Q39: A woman says to a man, "We are double cousins." What does this imply?**

**Solution 1 (Long):** Double cousins share a grandparent in common, but through two different lineages (e.g., your father's cousin's child or your mother's cousin's child).

**Solution 2 (Short):** "Double cousins" means you share a set of grandparents but not the same parents.

**Q40: Pointing to a child, a man says, "He is the son of my wife's deceased brother." How is the man related to the child?**

**Solution 1 (Long):** The man's wife's deceased brother is her brother-in-law (wife's sibling). The son of the brother-in-law is the nephew (child of a sibling) of the man's wife.

**Solution 2 (Short):** "Wife's deceased brother" is the man's brother-in-law. The child is the son of the brother-in-law, making him the man's wife's **nephew**.

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