## CHAPTER - 12 BLOOD RELATIONS



A person who is related to another by birth rather than by marriage.
Family or Blood Relationship means persons connected by relations like -father-mother, son-daughter, brother-sister, grandfather-grandmother, uncle-aunty, nephew-niece, brother-in-law, sister-in-law etc. The list can go on and on adding

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Relationship
Father's son (or) mother's son
Father's daughter (or) mother's daughter
Mother's brother
Father's brother
Mother's sister
Father's sister
Son's wife
Daughter's husband
Sister's husband
Husband's brother (or) wife's brother
Brother's wife
Husband's sister (or) wife's sister
Husband's father (or) wife's father
Husband's mother (or) wife's mother
Brother's son (or) sister's son
Brother's daughter (or) Sister's
Uncle's daughter (or) Aunt's daughter
Uncle's Grand son (or) Aunt's Grand son
Father's father (or) mother's father
Father's mother (or) mother's mother
21 Father of Grandfather or Father of grandmother
22
Father of Grandfather (or) father of grandmother

Commonly Used Terms Brother

Sister
Uncle (Paternal Uncle)
Uncle (Maternal Uncle)
Aunt (Paternal Aunt)
Aunt (Maternal Aunt)
Daughter-in-law
Son-in-law
Brother-in-law
Brother-in-law
Sister-in-law
Sister-in-law
Father-in-law
Mother-in-law
Nephew
Niece
Cousin
Nephew
Grandfather
Grandmother
Great Grandmother
Great Grandfather

Members from father's side and mother's side etc.


## Question 1

Pointing to a photograph of a boy Shinzo said, "He is the son of the only son of my mother." How is Shinzo related to that boy?
(a) Father
(b) Brother
(c) Uncle
(d) Cousin

Answer: a
Explanation:
The boy in the photograph is the only son of the son of Shinzo's mother i.e., the son of Shinzo. Hence, Shinzo is the father of boy.

## Question 2

If A + B means A is the mother of B; A - B means A is the brother B; A $\% B$ means $A$ is the father of $B$ and $A \times B$ means $A$ is the sister of $B$, which of the following shows that $P$ is the maternal uncle of $Q$ ?
(a) Q - N + M x P
(b) $P+S \times N-Q$
(c) $\mathrm{P}-\mathrm{M}+\mathrm{Nx} \mathrm{Q}$
(d) Q-S \% P

Answer: C
Explanation:
$\mathrm{P}-\mathrm{M} \rightarrow \mathrm{P}$ is the brother of M
$M+N \rightarrow M$ is the mother of $N$
$\mathrm{Nx} \mathrm{Q} \rightarrow \mathrm{N}$ is the sister of Q
Therefore, P is the maternal uncle of Q

## Question 3

If $A$ is the brother of $B$; $B$ is the sister of $C$; and $C$ is the father of $D$, how $D$ is related to $A$ ?
(a) Brother
(b) Sister
(c) Nephew
(d) Cannot be determined

Answer: D
Explanation:

If $D$ is Male, the answer is Nephew.
If $D$ is Female, the answer is Niece.
As the sex of D is not known, hence, the relation between D and A cannot be determined.

Note: Niece - A daughter of one's brother or sister, or of one's brother-inlaw or sister-in-law. Nephew - A son of one's brother or sister, or of one's brother-in-law or sister-in-law

## Question 4

If $A+B$ means $A$ is the brother of $B ; A-B$ means $A$ is the sister of $B$ and $A \times B$ means $A$ is the father of $B$. Which of the following means that $C$ is the son of $M$ ?
(a) $\mathrm{M}-\mathrm{NXC}+\mathrm{F}$
(b) F - C + N x M
(c) $\mathrm{N}+\mathrm{M}-\mathrm{FxC}$
(d) $\mathrm{MxN}-\mathrm{C}+\mathrm{F}$

Answer: D
Explanation:
$\mathrm{M} \times \mathrm{N} \rightarrow \mathrm{M}$ is the father of N
$\mathrm{N}-\mathrm{C} \rightarrow \mathrm{N}$ is the sister of C
and $\mathrm{C}+\mathrm{F} \rightarrow \mathrm{C}$ is the brother of F .
Hence, M is the father of C or C is the son of M

## Question 5

Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?
(a) Brother
(b) Nephew
(c) Uncle
(d) Son-in-law

Answer: A
Explanation:
The father of the boy's uncle $\rightarrow$ the grandfather of the boy and daughter of the grandfather $\rightarrow$ sister of father

## Question 6

Pointing to a photograph Lata says, "He is the son of the only son of my grandfather." How is the man in the photograph related to Lata?
(a) Brother
(b) Uncle
(c) Cousin
(d) Data is inadequate

Answer: A
Explanation:
The man in the photograph is the son of the only son of Lata's grandfather i.e., the man is the son of Lata's father. Hence, the man is the brother of Lata.

## Question 7

If $A+B$ means $A$ is the brother of $B ; A x B$ means $A$ is the son of $B$; and $A$ $\% B$ means $B$ is the daughter of $A$ then which of the following means $M$ is the maternal uncle of $N$ ?
(a) $\mathrm{M}+\mathrm{O} \times \mathrm{N}$
(b) $\mathrm{M} \% \mathrm{O} \mathrm{xN}+\mathrm{P}$
(c) $\mathrm{M}+0 \% \mathrm{~N}$
(d) None of these

Answer: D
Explanation:
Because the sex of 0 is not known

## Question 8

If $D$ is the brother of $B$, how $B$ is related to $C$ ? To answer this question which of the statements is/are necessary?
The son of $D$ is the grandson of $C$.
$B$ is the sister of $D$.
(a) Only 1
(b) Only 2
(c) Either 1 or 2
(d) 1 and 2 both are required

Answer: D
Explanation:
Given: D is the brother of B.
From statement 1, we can detect that $D$ is son of $C$ (son of $D$ is the grandson of C).
From statement 2, we can detect that B is 'Female' (sister of D).
Therefore, B is daughter of C.

## Question 9

If A + B means A is the father of B; A - B means A is the brother B; A $\% B$ means $A$ is the wife of $B$ and $A \times B$ means $A$ is the mother of $B$, which of the following shows that $M$ is the maternal grandmother of $T$ ?
(a) M x $\mathrm{N} \% \mathrm{~S}+\mathrm{T}$
(b) $\mathrm{MxN}-\mathrm{S} \% \mathrm{~T}$
(c) M x S - N \% T
(d) M x N x S \% T

Answer: A
Explanation:
$\mathrm{MxN} \rightarrow \mathrm{M}$ is the mother of N
$\mathrm{N} \% \mathrm{~S} \rightarrow \mathrm{~N}$ is the wife of S
and $\mathrm{S} \rightarrow \mathrm{T}$ is the father of T .
Hence, M is the maternal grandmother of T

## Question 10

Pointing to a photograph. Bajpai said, "He is the son of the only daughter of the father of my brother." How Bajpai is related to the man in the photograph?
(a) Nephew
(b) Brother
(c) Father
(d) Maternal Uncle

Answer: D
Explanation:
The man in the photo is the son of the sister of Bajpai. Hence, Bajpai is the maternal uncle of the man in the photograph

## Question 11

Deepak said to Nitin, "That boy playing with the football is the younger of the two brothers of the daughter of my father's wife." How is the boy playing football related to Deepak?
(a)
Son
(b) Brother
(c) Cousin
(d) Brother-in-law

Answer: B
Explanation:
Father's wife $\rightarrow$ mother. Hence, the daughter of the mother means sister and sister's younger brother means brother. Therefore, the boy is the brother of Deepak.

## Question 12

Pointing a photograph X said to his friend Y , "She is the only daughter of the father of my mother." How $X$ is related to the person of photograph?
(a) Daughter
(b) Son
(c) Nephew
(d) Cannot be decided

Answer: B

## Explanation:

'The only daughter of the father of X's mother' means mother of X.
Hence X is the son of the lady in the photograph.
Note: Still have doubt like "How X is a male?"

## Question 13

Veena who is the sister-in-law of Ashok, is the daughter-in-law of Kalyani. Dheeraj is the father of Sudeep who is the only brother of Ashok. How Kalyani is related to Ashok?
(a) Mother-in-law
(b) Aunt
(c) Wife
(d) None of these

Answer: D
Explanation:
Ashok is the only brother of Sudeep and Veena is the sister-in-law of Ashok. Hence Veena is the wife of Sudeep. Kalyani is the mother-in-law of Veena. Kalyani is the mother of Ashok.

## Question 14

If $A+B$ means $A$ is the sister of $B ; A \times B$ means $A$ is the wife of $B, A$ $\% B$ means $A$ is the father of $B$ and $A-B$ means $A$ is the brother of $B$. Which of the following means $T$ is the daughter of $P$ ?
(a)
PxQ \% R + S - T
(b) $\quad \mathrm{P} \times \mathrm{Q} \% \mathrm{R}-\mathrm{T}+\mathrm{S}$
(c) $\quad \mathrm{PxQ} \% \mathrm{R}+\mathrm{T}-\mathrm{S}$
(d) $\quad \mathrm{P} \times \mathrm{Q} \% \mathrm{R}+\mathrm{S}+\mathrm{T}$

Answer: B
Explanation:
$P \times Q \rightarrow P$ is the wife of $Q$
$\mathrm{Q} \% \mathrm{R} \rightarrow \mathrm{Q}$ is the father of R
$R-T \rightarrow R$ is the brother of $T$
$\mathrm{T}+\mathrm{S} \rightarrow \mathrm{T}$ is the sister of S .
Therefore, T is the daughter of P .

## Question 15

Pointing to a woman, Abhijit said, "Her granddaughter is the only daughter of my brother." How is the woman related to Abhijit?
(a) Sister
(b) Grandmother
(c) Mother-in-law
(d) Mother

Answer: D
Explanation:
Daughter of Abhijit's brother $\rightarrow$ niece of Abhijit. Thus the granddaughter of the woman is Abhijit's niece.
Hence, the woman is the mother of Abhijit.

## Question 16

Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl?
(a) Brother
(b) Grandfather
(b) Husband
(d) Father-in-law

Answer: D
Explanation:
The girl is the wife of grandson of Amit's mother i.e., the girl is the wife of son of Amit. Hence, Amit is the father-in-law of the girl.

## Question 17

$A$ and $B$ are children of $D$. Who is the father of $A$ ? To answer this question which of the statements (1) and (2) is necessary?

1. $C$ is the brother of $A$ and the son of $E$.
2. $F$ is the mother $B$.
(a) Only (1)
(c) Only (2)
(b) Either (1) or (2)
(d) (1) and (2) both

Answer: B
Explanation:
$A$ and $B$ are children of $D$.
From (1), C is the brother B and son of E.
Since, the sex of D and E are not known. Hence (1) is not sufficient to answer the question.

From (2). F is the mother of B. Hence, F is also the mother of A. Hence $D$ is the father of $A$.

Thus, (2) is sufficient to answer the question.

## Question 18

Pointing towards a man, a woman said, "His mother is the only daughter of my mother." How is the woman related to the man?
(a) Mother
(b) Grandmother
(b) Sister
(d) Daughter

Answer: A
Explanation:
Only daughter of my mother $\rightarrow$ myself.
Hence, the woman is the mother of the man.

## Question 19

If $P$ \$ Q means $P$ is the brother of $Q$; $P$ \# $\mathbf{Q}$ means $P$ is the mother of $($ means $P$ is the daughter of $Q$ in $A$ \# $B$ \$ C * $D$, who is the father?
(a) D
(b) B
(b) C
(d) Data is inadequate

Answer: A
Explanation:
$A$ is the mother of $B, B$ is the brother of $C$ and $C$ is the daughter of $D$. Hen father.


B - is - Brother - of - C

## Question 20

Introducing Sonia, Aamir says, "She is the wife of only nephew of only brother of my mother." How Sonia is related to Aamir?
(a) Wife
(b) Sister
(b) Sister-in-law
(d) Data is inadequate

Answer: A

## Explanation:

Brother of mother means maternal uncle. Hence only nephew of Aamir's maternal uncle means Aamir himself. Therefore, Sonia is the wife of Aamir

## Question 21

If $A+B$ means $A$ is the brother of $B ; A \% B$ means $A$ is the father of $B$ and $A \times B$ means $A$ is the sister of $B$. Which of the following means $M$ is the uncle of $P$ ?
(a) M \% N x P
(b) N x P \% M
(b) $\mathrm{M}+\mathrm{S} \% \mathrm{R} \% \mathrm{P}$
(d) $\mathrm{M}+\mathrm{K} \% \mathrm{TxP}$

Answer: D
Explanation:
$\mathrm{M}+\mathrm{K} \rightarrow \mathrm{M}$ is the brother of K
$\mathrm{K} \% \mathrm{~T} \rightarrow \mathrm{~K}$ is the father of T
$\mathrm{TxP} \rightarrow \mathrm{T}$ is the sister of P
Therefore, $K$ is the father of $P$ and $M$ is the uncle of $P$.

## Question 22

Pointing to Varman, Madhav said, "I am the only son of one of the sons of his father." How is Varman related to Madhav?
(a) Nephew
(b) Uncle
(b) Father or Uncle
(d) Father

Answer: C
Explanation:
Madhav is the only son of one of the sons of Varman's father $\rightarrow$
Either Varman is the father or uncle of Madhav.

## Question 23

Introducing a woman, Shashank said, "She is the mother of the only daughter of my son." How that woman is related to Shashank?
(a) Daughter
(b) Sister-in-law
(b) Wife
(d) Daughter-in-law

Answer: D
Explanation:
The woman is the mother of Shashank's granddaughter. Hence, the woman is the daughter-in-law of Shashank.

## Question 24

If $A+B$ means $B$ is the brother of $A$; $A \times B$ means $B$ is the husband of $A ; A$ - $B$ means $A$ is the mother of $B$ and $A \% B$ means $A$ is the father of $B$, which of the following relations shows that $Q$ is the grandmother of $T$ ?
(a) $\mathrm{Q}-\mathrm{P}+\mathrm{R} \% \mathrm{~T}$
(b) $\mathrm{P} \times \mathrm{Q} \% \mathrm{R}-\mathrm{T}$
(b) $\mathrm{P} \times \mathrm{Q} \% \mathrm{R}+\mathrm{T}$
(d) $P+Q \% R-T$

Answer: A
Explanation:
$\mathrm{Q}-\mathrm{P} \rightarrow \mathrm{Q}$ is the mother of P
$\mathrm{P}+\mathrm{R} \rightarrow \mathrm{R}$ is the brother of P
Hence, $\rightarrow \mathrm{q}$ is the mother of R
$R \% T \rightarrow R$ is the father of $T$.
Hence, Q is the grandmother of T

## Question 25

A3P means $A$ is the mother of $P$
A4P means $A$ is the brother of $P$
A9P means $A$ is the husband of $P$
A5P means $A$ is the daughter of $P$
Which of the following means that $K$ is the mother-in-law of $M$ ?
(a)
M9N3K4J
(b) M9N5K3J
(c) K5J9M3N
(d) K3J9N4M

Answer: B
Explanation:
$\mathrm{M} 9 \mathrm{~N} \rightarrow \mathrm{M}$ is the husband of N
$\mathrm{N} 5 \mathrm{~K} \rightarrow \mathrm{~N}$ is the daughter of K

Hence, $\rightarrow \mathrm{M}$ is the son-in-law of K
$\mathrm{K} 3 \mathrm{~J} \rightarrow \mathrm{~K}$ is the mother of J
Hence, $\rightarrow \mathrm{K}$ is a lady
Hence, $\rightarrow \mathrm{K}$ is the mother-in-law of M

## Question 26

Introducing Neeta, Anil said, 'She is wife of my mother's only son. How is Neeta related to Anil?
(a) Mother
(b) Wife
(b) Sister
(d) Daughter-in-law
Answer: B

Explanation:
Neeta is the wife of Anil's mother's only son, who is Anil himself. Hence, answer is Neeta is Anil's wife. i.e. (B) Wife.

## Question 27

'Ram' is the father of 'Kusha' but 'Kusha' is not his son. 'Mala' is the daughter of 'Kusha'.' Shalaka' is the spouse of 'Ram'. 'Gopal' is the brother of 'Kusha'. 'Hari' is the son of 'Gopal'. 'Meena' is the spouse of 'Gopal'. 'Ganpat' is the father of 'Meena'. Who is the granddaughter of 'Ram'?
(a) Hari
(b) Mala
(b) Meena
(d) Shalaka

Answer: B
Explanation:

'Mala' is the daughter of 'Kusha' and 'Ram' is the father of 'Kusha'. So, 'Mala' is the granddaughter of 'Ram'. Hence,

## Question 28

Pointing to a gentleman, Dinesh said "His only brother is the father of
my daughter's father." How is the gentleman related to Dinesh?
(a) Uncle
(b) Grandfather
(b) Father
(d) Brother- in-law

Answer: A
Explanation:
The gentleman's only brother is the father of Dinesh (Dinesh daughter's father is Dinesh himself.). Gentleman is brother of Dinesh's father. Gentleman is Dinesh's uncle. Hence,

## Question 29

Pointing to Ajay, Radha said, "His father is the only son of my grandfather". How is Radha Related to Ajay?
(a) Brother
(b) Sister
(b) Mother
(d) Daughter

Answer: B
Explanation:

## Traditional Method



When Radha's Grandfather's only son is Ajay's father, then Ajay's father is also the father of Radha. So Radha is Ajay's sister. Hence, answer is (B) Sister.
We know, 'Only son of my grandfather' means 'my father'. "His father is the only son of my grandfather" thus becomes "His father is my father". So Radha is Ajay's sister. Hence,

Question 30
Lalita said to Tina, "You are the daughter-in-law of the grandmother of my father's only son."How is Lalita related to Tina?
(a) Aunt
(b) Sister
(b) Mother
(d) Indeterminable

Answer: D

## Explanation:

'My father's only son' is my (Lalita's) brother. Tina is daughter-in-law of grandmother of (Lalita's) brother. Tina thus can be their mother (wife of grandmother's only son). However, as it is not mentioned that the grandmother has only one son, Tina can be wife of grandmother's other son i.e. Tina could also be their aunt. Hence,

## Question 31

Pointing to a photograph, Amar said, "I have no brother or sister but that man's father is my father's son." Whose photograph, was it?
(a) His son's
(b) His father's
(b) His nephew's
(d) His own

Answer: A
Explanation:
Since Amar has no brother or sister so his father's son is the man himself and so the man who is talking is the father of the man in the photograph i.e. the man in the photograph is his son. Hence, answer is (A) His son's.

## Question 32

Looking at the portrait of a man, Ashok said, 'His mother is the wife of my father's son. Brothers and sisters I have none'. At whose portrait was Ashok looking?
(a) His cousin
(b) His nephew
(b). His uncle
(d) His son
Answer: D
Explanation:

My (Ashok's) father's son will be Ashok himself as he has no brother or sister. Ashok's wife is mother of the person in the portrait. The portrait is thus of Ashok's own son. Hence, answer is (D) His Son.

## Question 33

Pointing to a photograph of a boy Suresh said, "He is the son of the only son of my mother." How is Suresh related to that boy?
(a) Brother
(b) Uncle
(b) Cousin
(d) Father

Answer: D

## Explanation:

The boy in the photograph is the only son of the son of Suresh's mother i.e., the son of Suresh. Hence, Suresh is the father of boy.

Question 34
When Anuj saw Manish, he recalled, "He is the son of the father of my daughter." Who is Manish?
(a) Brother-in-law
(b) Brother
(b) Cousin
(d) Uncle

Answer: A
Explanation:
Anuj's daughter's mother - Anuj's wife;
Anju's wife's father - Anuj's father-in-law;
Father-in-law's son - Anuj's brother-in-law
So, Manish is Anuj's brother-in-law

## Question 35

$A$ has 3 children. $B$ is the brother of $C$ and $C$ is the sister of $D, E$ who is the wife of $A$ is the mother of $D$. There is only one daughter of the husband of $E$. What is the relation between $D$ and $B$ ?
(a) A
(b) B
(b) C
(d) D
Answer: D

Explanation:

| $+\mathrm{A} \quad-\mathrm{E}$ |
| :---: |
| $\downarrow$ |
| $+\mathrm{B}+\mathrm{D}-\mathrm{C}$ |

With the chart Therefore, D is a boy because there is only one daughter of E . Hence, $B$ is the brother of $D$.
Note: While solving the question ( + ) can be used for male and ( - ) can be used for female.

## Question 36

If $A+B$ means $A$ is the mother of $B ; A x B$ means $A$ is the father of $B ; A \$$ $B$ means $A$ is the brother of $B$ and $A @ B$ means $A$ is the sister of $B$, then which of the following means $P$ is the son of $Q$ ?
(a) Q + R @ P @ N
(b) Q + R \$ P @ N
(b) Q x R \$ P @ N
(d) $\mathrm{Q}+\mathrm{R}$ \$ P \$ N

Answer: D

## Explanation:

$\mathrm{Q}+\mathrm{R}=\mathrm{Q}$ is the mother of R
$R \$ P=R$ is the brother of $P$
$P \$ N=P$ is the brother of $N$
Therefore, P is the son of Q .

## Question 37

There are six persons playing cricket namely $\mathrm{U}, \mathrm{V}, \mathrm{W}, \mathrm{X}, \mathrm{Y}$ and $\mathrm{Z} . \mathrm{U}$ and $Y$ are brothers. $Z$ is the sister of $Y$. $W$ is the only son of $U$ 's uncle. $V$ and $X$ are the daughters of the brother of W's father. How is W related to Z?
(a) Cousin
(b) Father
(b) Mother
(d) wife

Answer: A
Explanation:
Z is Y's sister and hence U's sister, which means W is also the son of Z's uncle. So, W is Z's cousin.

Question 38
$X-Z$ means $X$ is the mother of $Z ; X \times Z$ means $X$ is the father of $Z$ and $X$ $+Z$ means $X$ is the daughter of $Z$. Now, if $M-N \times T+Q$, then which of the following is not true?
(a) T is N's daughter.
(b) N is wife of Q
(c) M is mother-in-law of Q
(d) Q is wife of N .

Answer: B
Explanation:
M - N $\times$ T + Q
M is the mother of N who is the father of T who is the daughter of $\mathrm{Q} . \mathrm{So}, \mathrm{M}$ is the grandmother of the daughter of Q , i.e., M is the mother-in-law of Q . Hence (B) is not true.

## Question 39

If ' $A \times B$ ' means ' $B$ is father of $A$ ', ' $A+B$ ' means ' $A$ is wife of $B$ ' and ' $A \div B$ ' means ' $A$ is brother of $B$ ', then, what is the relation of $J$ with $L$ in ' $J+H \div$ $\mathrm{R} \times \mathrm{L}^{\prime}$ ?
(a) Daughter
(b) Daughter-in-law
(c) Sister-in-law
(d) Cannot be determined

Answer: B
Explanation:
$(+) \quad(-)$
$J$ is R's brother's wife. $L$ is the father of $H$ and $R$.
Hence, J is daughter-in-law of L .

## Question 40

A is B's sister. C is B's mother. D is C's father. E is D's mother. Then, how is A related to $D$ ?
(a) Grandfather
(b) Grandmother
(c) Daughter
(d) Granddaughter

Answer: D
Explanation:
$A$ is the sister of $B$ and $B$ is the daughter of $C$.
So, A is the daughter of C . Also, D is the father of C .
So, A is the granddaughter of D .

## Question 41

$P$ is the brother of $Q$ and R.S is R's mother. T is P's father. Which of the following statements cannot be definitely true?
(a) T is Q's father
(b) S is P's mother
(c) P is S 's son
(d) Q is T's son

Answer: D
Explanation:
$P, Q, R$ are children of same parents. So. S who is R's mother and T, who is R's father will be mother and father of all three.
However, it is not mentioned whether Q is male or female $\mathrm{So}, \mathrm{D}$ cannot be definitely true.

## Question 42

Pointing to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person?
(a) Aunt
(b) Mother
(c) Wife
(d) Daughter

Answer: A
Explanation:
Daughter of your father - Your sister. So, the person's mother is woman's sister or the woman is person's aunt.

## Question 43

A girl introduced a boy as the son of' the daughter of the father of her uncle. The boy is girls
(a) Brother
(b) Son
(c) Uncle
(d) Son-in-law

Answer: A
Explanation:
Daughter of uncle's father - Uncle's sister - Mother;
Mother's son - Brother

## Question 44

Pointing out to a lady, a girl said, "She is the daughter-in-law of the grandmother of my father's only son." How is the lady related to the girl?
(a) Sister-in-law
(b) Mother
(c) Aunt
(d) Can't be determined

Answer: D
Explanation:
Girl's father's only son - Girl's brother. Daughter in law of girl's grandmother can be their mother, or maternal uncle's wife, i.e. aunt. So relation cannot be determined.

## Question 45

Pointing to a lady, a man said, "The son of her only brother is the brother of my wife." How is the lady related to the man?
(a) Mother's sister
(b) Grandmother
(c) Mother-in-law
(d) Sister of father-in-law

Answer: D
Explanation:
Brother of my wife - My brother.in-law; Son of lady's brother is the brother-in-law of the man.
So lady's brother is man's father-in-law
i.e., the lady is the sister of man's father-in-law.

## Question 46

A woman introduces a man as the son of the brother of her mother. How is the man, related to the woman?
(a) Nephew
(b) Son
(c) Cousin
(d) Uncle to Grandson

Answer: C
Explanation:
Brother of mother - Uncle: Uncle's son - Cousin

## Question 47

In a family, there are six members A, B, C, D, E and F.
$A$ and $B$ are a married couple, $A$ being the male member. $D$ is the only son of $C$, who is the brother of $A$. $E$ is the sister of $D$. $B$ is the daughter-in-law of $F$, whose husband has died. How is E related to $C$ ?
(a) Sister
(b) Daughter
(c) Cousin
(d) Mother

Answer: B
Explanation:
$A$ is a male and married to $B$. So, $A$ is the husband and $B$ is the wife. $C$ is the brother of $A$. $D$ is the son of $C$. $E$. who is the sister of $D$ will be the daughter of $\mathrm{C} . \mathrm{B}$ is the daughter-in-law of F whose husband has died means F is the mother of $A$.
Clearly. E is the daughter of C .

## Question 48

There are six persons A. B, C, D, E and F. C is the sister of F. B is the brother of E's husband. $D$ is the father of $A$ and grandfather of $F$. There are two fathers, three brothers and a mother in the group. Who is the mother?
(a) A
(b) B
(c) C
(d) E

Answer: D
Explanation:
$D$ is father of $A$ and grandfather of $F$. So, $A$ is father of $F$.
Thus. D and A are the two fathers. C is the sister of F So. C is the daughter of A.

Since there is only one mother, it is evident that E is the wife of A and hence the mother of C and F .
$\mathrm{So}, \mathrm{B}$ is brother of A There are three brothers. So. F is the brother of C.
Clearly, A is E's Husband.

## Question 49

Introducing a man, a woman said, 'He is the only son of my mother's mother." How is the woman related to the man?
(a) Mother
(b) Aunt
(c) Sister
(d) Niece

Answer: D
Explanation:
My mother's mother - My grandmother: My grandmother's only son - My maternal uncle. So, the woman is man's niece.

## Question 50

If $A$ is the brother of $B ; B$ is the sister of $C$; and $C$ is the father of $D$, how $D$ is related to $A$ ?
(a) Brother
(b) Sister
(c) Nephew

Answer: D

## Explanation:

If $D$ is Male, the answer is Nephew. If $D$ is Female, the answer is Niece. As the sex of $D$ is not known, hence, the relation between $D$ and $A$ cannot be determined. Note: Niece - A daughter of one's brother or sister, or of one's brother-in-law or sister-in-law. Nephew - A son of one's brother or sister, or of one's brother-in-law or sister-in-law.

## Question 51

$A$ is the son of $C ; C$ and $Q$ are sisters; $Z$ is the mother of $Q$ and $P$ is the son of Z . Which of the following statements is true?
(a) P and A are cousins
(b) P is the maternal uncle of A
(c) Q is the maternal grandfather of A
(d) C and P are sisters

## Answer: B

## Explanation:

C and Q are sisters and A is the son of C . Hence, C is the mother of A or Z is the mother Q . Hence, Z is the maternal grandmother of A . P is the son of Z . Hence, $P$ is the maternal uncle of $A$.

## Past Examination Questions

## MAY-2018

## Question 1

Vinod introduce Vishal as the son of the only brother of his father's wife.
How is Vinod related to Vishal?
(a) Cousin
(b) Brother
(c) Son
(d) Uncle

Answer: A
Vinod Introduces Vishal as the Son of the only brother. Of his father's wife then Vinod is cousin of Vishal.

## Question 2

Suresh introduces a man as "he is the son of the woman who is the mother of the husband of my mother". How Suresh is related to the man?
(a) Brother-in-law
(b) Son
(c) Brother
(d) Nephew

Answer: B
Suresh introduces a man as" he is the son of the woman who is the mother of the husband of my mother'. Then Suresh is the 'Son' the man.

## Question 3

A reads a book and find the name of the author familiar. The author' is the paternal uncle of C. C is the daughter of A. How is Crelated to A
(a) Brother
(b) Sister
(c) Father
(d) Uncle

Answer: A
(Father) A $\rightarrow$ (Paterial Urcle)

$$
{ }^{4} \mathrm{C} \text { (Daxgtan) }
$$

## Question 4

$P$ and $Q$ are brothers $R$ and $S$ are sisters .P's son is R's brother. How I $Q$ related to $R$ ?
(a) Uncle
(b) Brother
(c) Father
(d) Grandfather

## Answer: A



As $P$ is father of $S$ and $P$ is its brother so they are uncle and nephew So, relationship between Q and R is of Uncle.

## Question 5

A prisoner introduced a boy who come to visit him to the jailor as "Brother and sisters I have none he is my father's son`s son" who is the boy
(a) Nephew
(b) Son
(c) Cousin
(d) Uncle

Answer: Option (b)
Son

## NOV - 2018

## Question 1

Pointing to a man in a photograph, a woman said, "the father of his brother is the only son of my grandfather", how is the woman related to man in the photograph?
(a) Mother
(b) Aunty
(c) Daughter
(d) Sister

Answer: D
Explanation:
The father of his brother is the only son of my grandfather. So, the women is man's sister.
Only son of women's grandfather = woman's father Man's brother's fatherman's father so. The women are man's sister.

## Question 2

Six persons are seen together in a group. They are A, B, C, D, E and F, B is brother of $D$, but $D$ is not brother of $B$. $F$ is brother of $B, C$ and $A$ are married together. $F$ is son of $C$, but $C$ is not mother of $F$. $E$ is brother of $A$. The number of female member in the group is
(a) 1
(b) 2
(c) 3
(d) 4

Answer: B

| $\mathrm{C}^{+}$ | $>\mathrm{A}^{-}$ | $>\mathrm{E}^{+}$ | $(+)$means-male |
| :--- | :--- | :--- | :--- |
| A | $>\mathrm{B}^{+}$ | $>\mathrm{D}^{-}$ | (-) reans-fermale |

No. of female members $=2$

## Question 3

Ram and Mohan are brothers, Shankar is Mohan's father. Chhaya is Shankar's sister. Priya is Shankar's niece. Shubhra is Chhaya's granddaughter. Then Ram is Shubhra's.
(a) Brother
(b) Uncle
(c) Cousin
(d) Nephew

Answer: B


Ram is the uncle of Shubhra.

## Question 4

If $P+Q$ means $P$ is the mother of $Q . P \div \mathbf{Q}$ means $P$ is the father of $\mathbf{Q} . P-$ QmeansPisthesisterofQ.Thenwhichofthefollowingrelationship shows that $M$ is the daughter ofR?
(a) $\mathrm{R}+\mathrm{M}+\mathrm{N}$
(b) $\mathrm{R}+\mathrm{N}+\mathrm{M}$
(c) $\mathrm{R}-\mathrm{M}+\mathrm{N}$
(d) None of the above

Answer: A
$\mathrm{M}+\mathrm{N}$ i.e., R is the father of M .
Hence, R: M+N clearly means
That, $M$ is the daughter of $R$.

## MAY-2019

## Question 1

Pointing to a photograph, a Man said "His Mother husband's sister is my aunt". Then what is relation between a man and he?
(a) son
(b) Uncle
(c) Nephew
(d) Brother

Answer: D
Explanation:
man's mother husband = father
So the answer be man's Brother

## Question 2

Pointing to old man Kailash said "his son is my son's uncle" How is kailash is related to old man.
(a) Brother
(b) Either son (or) son-in-law
(c) Father
(d) Grand Father

Answer: B
Explanation:
So Kailash is related to old man is in terms of Father son relation.

## Question 3

Pointing to a women in a picture Sumit said is the mother of my son`s wife`s daughter. How is lady related to the sumit?
(a) Uncle
(b) Cousin
(c) Daughter
(d) None

Answer: d
Explanation:
Let me be sumit Now there`s some lady who is the mother of my son`s wife daughter. My son`s wife`s daughter means my son`s daughter, and hence my grand. The mother of my grand daughter (from my son) would be my daughter in law, Therefore option (d) is the answer:

## Question 4

Pointing in a photograph Sonia said" His mother`s only daughter is my mother " How is Sonia relates to that man?
(a) Nephew
(b) Sister
(c) Niece
(d) Wife

Answer: d
Explanation:
Let me be Sonia, Now there`s some man, who`s mother only daughter is my mother My mother`s would be my grandmother and her son, i.e. my mother`s brother would be my uncle. Therefore I, m that man`s niece.

## NOV-2019

$A, B, C, D, E$ and $F$ are members of a family. $B$ is the son of $A$ DUE the mother of $B, A$ and $C$ are married couple. $F$ is the brother of $A$. $D$ is the sister of $B, E$ is the son of $C$.

## Question1

How many male members are there in the family?
(a) 1
(b) 2
(c) 3
(d) 4
Q. 2 How is $\mathbf{F}$ related to $\mathbf{B}$ ?
(a) Uncle
(b) Daughter
(c) Son
(d) Niece
Q. 3 How many children A has?
(a) 3
(b) 2
(c) 4
(d) 1

Answer:
For question [1-3]
( + ) => male
$(-)=>$ female

Q. 1 (Ans.) (d) There are four male members in the family i.e.

A (father or husband)
F (A's brother)
B (son of A and C)
E (son of A and C)
Q. 2 (Ans.) (a) Since F is A's brother
and B is A's son.
father's brother = uncle
So, $F$ is the uncle of $B$
Q. 3 (Ans.) (a) A has 3 children

E, B and D

## DEC - 2020

## Question 1

Pointing towards a person a man said to a woman. "His mother is the only daughter of your father". How is the woman related to that person?
(a) daughter
(b) mother
(c) sister
(d) wife

Answer: B
Explanation:
The only daughter of the woman's father is she herself. So, the person is the woman's son. i.e., the woman is the person's mother. Hence, the answer is (b).

## Question 2

Vicky introduces John as the son of the only brother of his father's wife. How is Vicky related to John?
(a) Cousin
(b) Son
(c) Brother
(d) Uncle

Answer: A
Explanation:
The only brother of his father's wife is Sohan's maternal uncle.
So, Mohan is Sohan's maternal uncle's son.
So, Mohan is Sohan's cousin.
Option A.

## Question 3

Point out to a lady sohil said she is the daughter of woman. Who is the mother of the husband of my mother? Who is the lady to sohil?
(a) Sister
(b) Aunt
(c) Daughter
(d) Sister-in-law

Answer: B
Explanation:
The relations may be analyzed as follows:

Mother's husband $\Rightarrow$ Father;
Father's mother $\Rightarrow$ Grandmother;
Grandmother's daughter $\Rightarrow$ Father's sister;
Father's sister $\Rightarrow$ Aunt.
So, the lady is Rajan's aunt.
Hence, the answer is (b).

## Question 4

A can said to a lady "your mother`s husband's sister is my Aunt. "How is the man related to the lady?
(a) Father
(b) Grandfather
(c) Son
(d) Brother

Answer: d
Explanation:
Your mothers husband - your father
Your father sister - your aunt
So, lady`s Aunt is man`s aunt and therefore man is the brother of the lady.

## Question 5

Pointing to a lady A said "that women is my nephew`s maternal grandmother" How is that related to A`s sister who has no sister?
(a) Cousin
(b) Son - in - law
(c) Mother
(d) mother - in- law

Answer: C
Explanation:
Clearly the lady is the grandmother of man`s sisters son i.e. the mother of the mother of man's sister son i.e. the mother of man`s sister so the lady is man`s mother.

## Question 6

Pointing out to lady sahil said, " she is the daughter of the women who is the mother of the husband of my mother" who is the lady to sahil?
(a) Aunt
(b) Sister
(c) Daughter
(d) Sister - in - law

Answer: a
Explanation:

The mother of the husband of my mother $\rightarrow$ my grandmother my grandmother`s daughter \(\rightarrow\) my aunt so lady is sahil`s Aunt.

## $\underline{\text { JAN - } 2021}$

## Question 1

$P$ is the brother of $Q$ and $R, S$ is the mother of $R$. T is the father of $P$. which of the following statements cannot be definitely true?
(a) S is the mother of P
(b) P is son of S
(c) T is husband of S
(d) $Q$ is son of $T$.

Answer: D
Explanation:
$\mathrm{P}, \mathrm{Q}, \mathrm{R}$ are children of same parents. So. S who is R's mother and T, who is R's father, will be mother and father of all three. However, it is not mentioned whether Q is male or female So, D cannot be definitely true.

## Question 2

Pointing to a lady in a photograph, Ran said, "her son's father is the son-inlaw of my mother," how is Ram related to the lady?
(a) Aunt
(b) Cousin
(c) Sister
(d) Mother

Answer: B
Explanation:
Ram is brother of that lady.
Question 3
A girl introduces ......... a boy as the son of the daughter of the father of her uncle the boy is girl's
(a) Son
(b) Brother
(c) Son-in-law
(d) Uncle

Answer: B
Explanation:
Daughter of uncle's father - Uncle's sister - Mother; Mother's son — Brother

## Question 4

Pointing to lady, Sahil said "She is the daughter of the woman who is the mother of the husband of my mother, "who is the lady to Sahil?
(a) Aunt
(b) Sister
(c) Daughter
(d) Sister - in - law

Answer: A
Explanation:
The relations may be analyzed as follows:
Mother's husband $\Rightarrow$ Father;
Father's mother $\Rightarrow$ Grandmother;
Grandmother's daughter $\Rightarrow$ Father's sister;
Father's sister $\Rightarrow$ Aunt.
So, the lady is Rajan's aunt. Hence, the answer is (a).

## JULY-2021

## Question 1

Pointing towards "A", "B", said: "Your mother is younger sister of my mother". " $A$ " is related to " $B$ " as_
(a) Uncle
(b) Cousin
(c) Nephew
(d) Father

Answer: Options (b)
Explanation:
Pointing towards A, B said "your mother is the younger sister of my mother" We draw the flow chart of given information as follows, circle around the alphabet indicates that person is a lady


$A$ is the cousin of $B$. So $b$ is the answer

## Question 2

Shyam's mother said to Shyam "my mother has a son whose son is Ram". Shyam is related to Ram as _
(a) Uncle
(b) Cousin
(c) Nephew
(d) Grandfather

Answer: Options (b)
Explanation:
Shyam mother`s mother

Shyam s Ram`s Cousin

## Question 3

Amit said "This girl is the wife of the grandson of my mother". How Amit related to the girl?
(a) Father-in-law
(b) Grandson
(c) Father
(d) Son

Answer: Options (a)
Explanation:


## Question 4

$A$ is the son of $C ; C$ and $Q$ are sisters: $Z$ is the mother of $Q$ and $P$ is the son of Z . Which of the following statements is true?
(a) A and P are cousins
(b) C and P are sisters
(c) P is the maternal uncle of A
(d) A is the maternal uncle of P
Answer: Options (c)

## Explanation:

C and Q are sisters and A is the son of C .
C is the mother of A and Z is the mother Q .
Hence, Z is the matemal grandmother of A .
$P$ is the son of $Z$.
Hence, P is the material uncle of A .


