Blood Relation Test
Q. 1  Pointing to a person, Deepak said, "His only brother is the father of my daughter's father". How is the person related to Deepak?

[A] Father  
[B] Grandfather  
[C] Uncle  
[D] Brother-in-law

Answer: Option [C]

**Explanation:**
Father of Deepak's daughter's father → Deepak's father. Hence, the person is the brother of Deepak's father. Therefore, the person is the uncle of Deepak.

Q. 2  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] M + O x N  
[B] M % O x N + P  
[C] M + O % N  
[D] None of these

Answer: Option [D]

**Explanation:** Because the sex of O is not known.

Q. 3  If A $ B means A is the brother of B; B * C means B is the son of C; C @ D means C is the wife of D and A # D means A is the son of D, how C is related to A?

[A] Maternal grandmother  
[B] Maternal aunt  
[C] Aunt  
[D] Mother

Answer: Option [D]

**Explanation:**
A $ B → A is the brother of B  
B * C → B is the son of C  
Hence, → A is the son of C  
C @ D → C is the wife of D  
Hence, → C is the mother of A.

Q. 4  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  
[C] Sister-in-law  
[D] Data is inadequate

Answer: Option [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.

Q. 5  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  
[C] Father or Uncle  
[D] Father

Answer: Option [C]  
**Explanation:** Madhav is the only son of one of the sons of Varman's father → Either Varman is the father or uncle of Madhav.

Q. 6  If M x N means M is the daughter of N; M + N means M is the father of N; M % N means M is the mother of N and M - N means M is the brother of N then P % Q + R - T x K indicates which relation of P to K?

[A] Daughter-in-law  
[B] Sister-in-law  
[C] Aunt  
[D] None of these

Answer: Option [D]  
**Explanation:**  
- P % Q → P is the mother of Q  
- Q + R → Q is the father of R  
- R - T → R is the brother of T  
- T x K → T is the daughter of K  

Hence, → Q is the husband of K. Therefore, P is the mother-in-law of K.

Q. 7  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: Option [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.

Q. 8  M is the father of N who is the son of V. In order to know the relation of M to P, which of the statement/statements is/are necessary?

1. P is the brother of V.  
2. The daughter of N is the granddaughter of V.
[A] Only (1)
[B] Only (2)
[C] Either (1) or (2)
[D] (1) and (2) both

Answer: Option [A]

Explanation:
M is the father of N and N is the son of V.
Hence, V is the mother of N.
From (1), P is the brother of V
Therefore, M is the brother-in-law of P because V is the wife of M.
From (2), the daughter of N, is the granddaughter of V. From this we do not get any relation of M to P.

Q. 9
If A + B means A is the sister of B; A x 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] P x Q % R + S - T
[B] P x Q % R - T + S
[C] P x Q % R + T - S
[D] P x Q % R + S + T

Answer: Option [B]

Explanation:
P x Q → P is the wife of Q
Q % R → Q is the father of R
R - T → R is the brother of T
T + S → T is the sister of S.
Therefore, T is the daughter of P.

Q. 10
If P + Q means P is the brother of Q; P x Q means P is the father of Q and P - Q means P is the sister of Q, which of the following relations shows that I is the niece of K?

[A] K + Y + Z - I
[B] K + Y x I - Z
[C] Z - I x Y + K
[D] K x Y + I - Z

Answer: Option [B]

Explanation:
K + Y → K is the brother of Y
Y x I → Y is the father of I
Hence, → K is the uncle of I
and I - Z → I is the sister of Z
Hence, → I is the niece of K.

Q. 11 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
Q. 12  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 Option [D]

Explanation:  
Daughter of Abhijit's brother → niece of Abhijit. Thus the granddaughter of the woman is Abhijit's niece. Hence, the woman is the mother of Abhijit.

Q. 13  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  
[C] Cousin  
[D] Father

Answer Option [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.

Q. 14  A's son B is married with C whose sister D is married to E the brother of B. How D is related to A?

[A] Sister  
[B] Daughter's-in-law  
[C] Sister-in-law  
[D] Cousin

Answer Option [B]

Explanation:  
Since E is the brother of B  
Therefore, A is the father of E  
but D is the wife of E.  
Hence, D is the daughter-in-law of A.
Q. 16
1. A3P means A is the mother of P
2. A4P means A is the brother of P
3. A9P means A is the husband of P
4. 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: Option [B]

Explanation:
M9N → M is the husband of N
N5K → N is the daughter of K
Hence, → M is the son-in-law of K
K3J → K is the mother of J
Hence, → K is a lady
Hence, → K is the mother-in-law of M.

Q. 17
If A + B means A is the brother of B; A % B means A is the father of B and A x 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
[C] M + S % R % P
[D] M + K % T x P

Answer: Option [D]

Explanation:
M + K → M is the brother of K
K % T → K is the father of T
T x P → T is the sister of P
Therefore, K is the father of P and M is the uncle of P.

Q. 18
Pointing to Gopi, Nalni says, "I am the daughter of the only son of his grandfather." How Nalni is related to Gopi?

[A] Niece
[B] Daughter
[C] Sister
[D] Cannot be determined

Answer: Option [C]
Explanation: Nalni is the daughter of the only son of Gopi's grandfather. Hence, it's clear that Nalni is the sister of Gopi.

Q. 19  
Pointing to a boy in the photograph Reena said, "He is the only son of the only child of my grandfather." How Reena is related to that boy?

[A] Mother  
[B] Sister  
[C] Aunt  
[D] Cannot be determined

Answer: Option [B]

Explanation: The boy in the photograph is the only son of Reena's grandfather's only son; i.e., the boy is the only son of Reena's father. Hence, the boy is the brother of Reena or Reena is the sister of the boy.

Q. 20  
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: Option [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.

Q. 21  
Amit said - "This girl is the wife of the grandson of my mother". How is Amit related to the girl?

[A] Brother  
[B] Grandfather  
[C] Husband  
[D] Father-in-law

Answer: Option [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.

Q. 22  
1. B5D means B is the father of D.  
2. B9D means B is the sister of D.  
3. B4D means B is the brother of D.  
4. B3D means B is the wife of D.  

Which of the following means F is the mother of K?

[A] F3M5K
**Q. 23**

If A $ B means A is the brother of B; A @ B means A is the wife of B; A # B means A is the daughter of B and A * B means A is the father of B, which of the following indicates that U is the father-in-law of P?

[A] P @ Q $ T # U * W
[B] P @ W $ Q * T # U
[C] P @ Q $ W * T # U
[D] P @ Q $ T # W * U

**Answer** Option [A]

**Explanation:**

P @ Q → P is the wife of Q ...(1)
Q $ T → Q is the brother of T ...(2)
T # U → T is the daughter of U
Hence, → Q is the son of U ...(3)
U * W → U is the father of W.
From (1) and (3), U is the father-in-law of P.

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**Q. 24**

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** Option [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.

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**Q. 25**

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** Option [B]

**Explanation:**

Father's wife → mother. Hence, the daughter of the mother means sister and sister's younger brother means brother. Therefore, the boy is the brother of Deepak.
Q. 26 If A + B means A is the mother of B; A - B means A is the brother of B; A % B means A is the father of B and A x 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 x N - Q
[C] P - M + N x Q
[D] Q - S % P

Answer Option [C]

Explanation:
P - M → P is the brother of M
M + N → M is the mother of N
N x Q → N is the sister of Q
Therefore, P is the maternal uncle of Q.

Q. 27 If A + B means A is the brother of B; A - B means A is the sister of B and A x B means A is the father of B. Which of the following means that C is the son of M?

[A] M - N x C + F
[B] F - C + N x M
[C] N + M - F x C
[D] M x N - C + F

Answer Option [D]

Explanation:
M x N → M is the father of N
N - C → N is the sister of C
and C + F → C is the brother of F.
Hence, M is the father of C or C is the son of M.

Q. 28 A $ B means A is the father of B; A # B means A is the sister of B; A * B means A is the daughter of B and A @ B means A is the brother of B. Which of the following indicates that M is the wife of Q?

[A] Q $ R # T @ M
[B] Q $ R @ T # M
[C] Q $ R * T # M
[D] Q $ R @ T * M

Answer Option [D]

Explanation:
Q $ R → Q is the father of R
R @ T → R is the brother of T
Hence, → Q is the father of T
T * M → T is the daughter of M
Hence, → M is the mother of T
Hence, M is the wife of Q.

Q. 29 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
Q. 30
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
[C] Wife
[D] Daughter-in-law

Answer Option [D]

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

Q. 31
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 Option [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.

Q. 32
If A + B means B is the brother of A; A x 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] Q - P + R % T
[B] P x Q % R - T
[C] P x Q % R + T
[D] P + Q % R - T

Answer Option [A]

Explanation: Q - P → Q is the mother of P
P + R → R is the brother of P
Hence, Q is the mother of R
R % T → R is the father of T.
Hence, Q is the grandmother of T.

Q. 33
Pointing towards a girl, Abhisek says, "This girl is the daughter of only a child of my father." What is the relation of Abhisek's wife to that girl?
Q. 34 If P $ Q means P is the brother of Q; P # Q means P is the mother of Q; P * Q means P is the daughter of Q in A # B C * D, who is the father?

[A] D
[B] B
[C] C
[D] Data is inadequate

Answer Option [A]

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

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Q. 35 Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali?

[A] Brother
[B] Uncle
[C] Son
[D] Data is inadequate

Answer Option [A]

Explanation: The man in the photograph is son of Anjali's grandfather's son i.e., the son of Anjali's father. Hence, the boy is the brother of Anjali.

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Q. 36 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 x B means A is the mother of B, which of the following shows that M is the maternal grandmother of T?

[A] M x N % S + T
[B] M x N - S % T
[C] M x S - N % T
[D] M x N x S % T

Answer Option [A]

Explanation: M x N → M is the mother of N
N % S → N is the wife of S
and S + T → is the father of T.
Hence, M is the maternal grandmother of T.
Q. 37  If $A \ B$ means $B$ is the father of $A$; $A \ # \ B$ means $B$ is the mother of $A$; $A \ * \ B$ means $B$ is the sister of $A$ and $A \ @ \ B$ means $B$ is the husband of $A$, which of the following indicates that $N$ is the grandmother of $P$?

[A] $P \ * \ Q \ # \ M \ $ $N$
[B] $P \ @ \ Q \ \ # \ M \ $ $N$
[C] $P \ # \ Q \ \ # \ N \ $ $M$
[D] None of these

Answer Option [D]

Q. 38  Pointing to a girl Sandeep said, "She is the daughter of the only sister of my father." How is Sandeep related to the girl?

[A] Uncle
[B] Cousin
[C] Father
[D] Grandfather

Answer Option [B]

Explanation: The girl is the daughter of the sister of Sandeep's father. Hence, the girl is the cousin or Sandeep is the cousin of the girl.

Q. 39  1. $A \ * \ B$ means $A$ is the sister of $B$
   2. $A \ $ $B$ means $B$ is the mother of $A$
   3. $A \ + \ B$ means $A$ is the brother of $B$
   4. $A \ = \ B$ means $B$ is the father of $A$.

Which of the following means $M$ is the maternal uncle of $N$?

[A] $M \ = \ P \ + \ Q \ * \ N$
[B] $N \ + \ P \ = \ Q \ * \ M$
[C] $N \ * \ P \ $ $Q \ * \ M$
[D] None of these

Answer Option [D]

Q. 40  If $P \ $ $Q$ means $P$ is the father of $Q$; $P \ # \ Q$ means $P$ is the mother of $Q$ and $P \ * \ Q$ means $P$ is the sister of $Q$, then $N \ # \ L \ $ $P \ * \ Q$ shows which of the relation of $Q$ to $N$?

[A] Grand son
[B] Grand daughter
[C] Nephew
[D] Data is inadequate

Answer Option [D]

Explanation: As the sex of $Q$ is not known, hence, data is inadequate.
Q. 41 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 of B.

[A] Only (1)
[B] Only (2)
[C] Either (1) or (2)
[D] (1) and (2) both

Answer Option [B]

Explanation: A and B are children of D.
From (1), C is the brother of A and the 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.

Q. 42 Introducing a man, a woman said, "He is the only son of the mother of my mother." How is the woman related to the man?

[A] Mother
[B] Sister
[C] Niece
[D] Maternal aunt

Answer Option [C]

Explanation: The man is the only son of the mother of the woman. Hence, the man is the maternal uncle of the woman. So, the woman is the niece of the man.

Q. 43 Anupam said to a lady sitting in a car, "The only daughter of the brother of my wife is the sister-in-law of the brother of your sister." How the husband of the lady is related to Anupam?

[A] Maternal uncle
[B] Uncle
[C] Father
[D] Son-in-law

Answer Option [D]

Explanation: Anupam's son-in-law is the brother of the lady who was sitting in the car. Hence, the husband is also the son-in-law of Anupam.

Q. 44 P is the mother of K; K is the sister of D; D is the father of J. How is P related to J?

[A] Mother
[B] Grandmother
[C] Aunt

Answer Option [B]
[D] Data inadequate

Answer Option [B]

Explanation:
P is the mother of K
K is the sister of D
D is the father of J.
Therefore, J is the nephew or niece of K and P is the grandmother of J.

Q. 45 If D is the brother of B, how is B related to C? To answer this question which of the statements is/are necessary?

1. The son of D is the grandson of C.
2. 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 Option [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.

Q. 46 If P + Q means P is the brother of Q; P x Q means P is the wife of Q and P % Q means P is the daughter of Q then which of the following means D is the uncle of A?

[A] A % B x C + D
[B] A x B + C % D
[C] A + C % B x D
[D] None of these

Answer Option [D]

Q. 47 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 Option [A]

Explanation: The father of the boy’s uncle → the grandfather of the boy and daughter of the grandfather → sister of father.

Q. 48 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 Option [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.

Q. 49 If X + Y means X is the daughter of Y; X - Y means X is the brother of Y; X % Y means X is the father of Y and X x Y means X is the sister of Y. Which of the following means I is the niece of J?

[A] J - N % C x I
[B] I x C - N % J
[C] J + M x C % I
[D] I x C + N - J

Answer Option [D]

Explanation:
I x C → I is the sister of C
C + N → C is the daughter of N
and N - J → N is the brother of I.
Hence, I is niece of J.