



## DEPARTMENT OF EMPLOYMENT AND TRAINING

### TNPSC GROUP II A MAINS - UNIT II

**Course :** TNPSC Group II A Mains Material

**Subject :** General Intelligence and Reasoning

**Topic :** Relationships Concept

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Director,  
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## Relationship Concepts

### Relationship Concepts

A relationship is a connection or bond between two or more people, groups, or things. In the context of human relationships, it refers to how individuals interact with each other, whether it's emotional, social, professional, or familial.

#### **Example:**

1. Father and son relation.
2. Husband and wife relations.

#### **Types:**

1. Blood relation
2. Matrimonial relation

#### **Blood relation:**

Blood Relation between two individuals is defined as a relation between them by the virtue of their birth rather than by their marriage or any other reasons.

#### **Examples:**

1. Mother and Daughter
2. Brother and sister

#### **Matrimonial relation:**

A **matrimonial relationship** refers to the bond between two people who are married to each other. It is a legally and socially recognized union, typically based on love, commitment, and mutual support.

#### **Example:**

1. Husband and wife
2. Brother in law, Father in law.



**Relationships:**

Relationship	Terms Used
Father's son/Mother's son	Brother
Father's daughter/Mother's daughter	Sister
Mother's brother (younger/elder)	Maternal Uncle
Father's brother (younger/elder)	Uncle (Paternal)
Father's sister (younger/elder)	Aunt
Mother's sister (younger/elder)	Aunt
Son's wife	Daughter-in-law
Daughter's husband	Son-in-law
Sister's husband	Brother-in-law
Husband's brother/Wife's brother	Brother-in-law
Brother's wife	Sister-in-law
Husband's sister/Wife's sister	Sister-in-law
Husband's father/Wife's father	Father-in-law
Husband's mother/Wife's mother	Mother-in-law
Brother's son/Sister's son	Nephew
Brother's daughter/Sister's daughter	Niece
Uncle's daughter/Aunt's daughter	Cousin

Uncle's son/Aunt's son	Cousin
Father's father/Mother's father	Grandfather
Father's mother/Mother's mother	Grandmother
Father of grandfather or father of grandmother	Great grandfather
Mother of grandfather/Mother of grandmother	Great grandmother

### **Types of questions:**

More questions asked the following types.

1. Pointing or Introducing
2. Family Tree
3. Coded relations

### **Pointing or Introducing Questions:**

In this type of question, one person describes the relationship of someone to another person, and the goal is to figure out the relationship between the two individuals

### **Example:**

1. A man points to a photograph of a girl and says, "She is the niece of my father's only son." Who is the girl in the photograph to the man?

**Answer: That Man's niece**

### **Explanation:**

"My father's only son" refers to **the man himself**, as he is the only son of his father.

So, The girl is his niece.

### **Family tree:**

In these **blood relation reasoning questions**, you'll be given a description of family members and their relationships. We need to find the relations between the family members.

**Example:**

1. A man says, "I have a brother who is married to my sister-in-law. They have a daughter." How is the daughter related to the man?

**Answer:** The daughter is the man's **niece**.

**Explanation:**

- The man has a brother (his **brother**).
- The brother is married to the man's **sister-in-law**.
- The brother and sister-in-law have a **daughter**.
- The daughter is the man's **niece**.

**Coded Relations:**

In **coded blood relation reasoning questions**, family relationships are represented using symbols like +, \*, @, etc., and the goal is to decode the symbols to find the correct relationship between family members. These questions work by providing a key to the symbols and then asking you to find the relationship based on the given code.

**Example:**

1. If A + B means A is the father of B, B \* C means B is the mother of C, and C @ D means C is the son of D, what is the relationship between A and D?

**Answer:** A is the **grandfather** of D.

**Explanation:**

- A + B means A is the father of B.
- B \* C means B is the mother of C.
- C @ D means C is the son of D.
- So, A is the father of B, B is the mother of C, and C is the son of D.
- Therefore, **A is the grandfather of D**.

**Variety of Questions:**

1. Pointing to a photograph of a boy Mr.Karthik said, “She is the daughter of the only son of my mother.” How is Mr.Karthik related to that girl?
- Uncle
  - Father
  - Brother
  - Grandfather

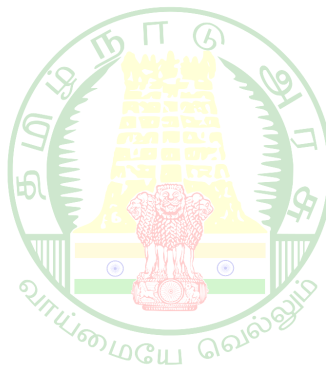
**Answer: b. Father****Explanation:**

- My mother - Karthik’s mother.
- Karthik’s mother’s only son is Karthik only. So that girl is the daughter of karthik.

2. Mahesh’s father is Chandar. Chandar’s brother is Mugesh. Mugesh’s son is Anand. How is Mahesh related to Anand?
- Son
  - Cousin
  - Uncle
  - Brother

**Answer: b. Cousin****Explanation:**

- Mahesh - Chandar’s Son
- Anand - Mugesh’s Son
- Mugesh - Chandar’s brother
- Mahesh and Anand are Cousins



3. Deva’s sister is Elakkiya. Elakkiya’s husband is Jegan. Jegan has a son named Saran. How is Deva related to Saran?
- Uncle
  - Cousin
  - Father
  - Son

**Answer: a. Uncle****Explanation:**

- Deva - Elakkiya’s brother
- Jegan - Elakkiya’s husband
- Saran - Elakkiya and Jegan’s Son
- Saran - Deva’s Sister’s son (or) Nephew
- So, Deva is Maternal uncle of saran

4. Pointing to a man in a photograph, a man said to a woman, "His mother is the only daughter of your father's wife". How is the woman related to the man in the photograph?

- a. daughter
- b. Cousin
- c. Mother
- d. Sister

**Answer: c. Mother**

**Explanation:**

- His mother - Pointed person's mother
- Your father's wife - that woman's Father's wife i.e, her mother
- That man and woman are brothers and sisters
- So, the woman is the mother of the pointed person.

5. Pointing to a man on the stage, Asha said, "He is the Maternal uncle of the daughter of the wife of my husband." How is the man on the stage related to Asha?

- a. son
- b. Father
- c. Brother
- d. Brother in law.

**Answer: c. Brother.**

**Explanation:**

- My husband - Asha's husband
- Daughter of the wife of my husband - Asha's daughter
- Maternal uncle - Asha's brother



6. Pointing to a man in a photograph, Devi said, "His mother's only daughter is my mother." How is Devi related to that man?

- a. Daughter
- b. Sister
- c. Cousin
- d. Niece

**Answer:d. Niece**

**Explanation:**

- His mother - Pointed person's mother
- Only daughter - Pointed person's sister
- My mother - Devi's mother mother
- So, Pointed person is Maternal uncle to devi. Devi is niece to him

7. If A is the sister of B, and B is the son of C, C is brother of D, D is daughter of F. How is A related to F?

- a. Daughter
- b. Daughter in law
- c. Granddaughter
- d. Grandson

**Answer: c. Granddaughter**

**Explanation:**

- A is the sister of B
- B is the son of C
- C is brother of D
- D is daughter of F
- C and D is child of F
- So, A and B are grandchild of F

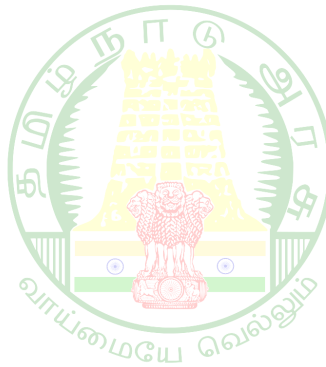
8. S's brother is T. T's wife is U. U's daughter is V. V's brother is W. W has only one sister. How is W's sister related to T?

- a. Son
- b. Daughter
- c. Nephew
- d. Niece

**Answer: b. Daughter**

**Explanation:**

- S's brother is T.
- T's wife is U. T is U's husband
- U's daughter is V.
- V's brother is W. W has only one sister.
- V and W are the child of T and U
- So, T is the father of V and W.



9. Raju is married to Priya. Priya's sister is Radha. Radha has a daughter named Riya. How is Raju related to Riya's Maternal Grandmother?

- a. Son in law
- b. Son
- c. Husband
- d. Father

**Answer: a. Son in law**



**Explanation:**

- Raju and Priya are husband and wife. Priya's sister is Radha. Riya is Radha's daughter
- Riya's maternal grandmother is priya and radha's mother.
- So, Raju is the son in -law of riya's grandmother.

10. Read the following information carefully to answer the questions given below :

1. If  $P+Q$  means P is the husband of Q,
2.  $P/Q$  means P is the sister of Q,
3.  $P*Q$  means P is the son of Q.

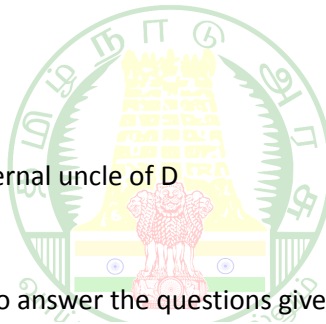
How is D related to A in  **$D*B+C/A$** ?

- a. Niece
- b. Nephew
- c. Son
- d. Daughter

**Answer: b. Nephew**

**Explanation:**

- D is the son of B.
- B and C are husband and Wife
- C is sister of A
- So, The D is Sister's son of A. a is maternal uncle of D



11. Read the following information carefully to answer the questions given below :

- (i) ' $A \times B$ ' means 'A is the brother of B;
- (ii) ' $A \div B$ ' means 'B is the father of A;
- (iii) ' $A+B$ ' means 'A is the sister of B;
- (iv) ' $A-B$ ' means 'A is the mother of B;

Which of the following means 'Q is the paternal uncle of K'?

- (A)  $K \times P \div M \times Q$
- (B)  $K \times B \div N \times Q \times D$
- (C)  $Q \times L \div R \times K$

- a. Only (A)
- b. Only (B)
- c. Only (C)
- d. Both (A) and (B)

**Answer: b. Only (B)**

**Explanation:**

- ' $K \times B \div N \times Q \times D$ ' means
- K is the brother of B,
- B and K's father is N,
- N is the brother of Q,
- So, Q is the paternal uncle of K.

12. Read the following information carefully to answer the question given below :

(i) If  $A + B$  means A is the brother of B;

(ii)  $A / B$  means A is the father of B and

(iii)  $A * B$  means A is the sister of B,

Which of the following means M is the uncle of P?

(A)  $M + S / R / P$

(B)  $N * P / M$

(C)  $M + K / T * P$

(D)  $M / N * P$

**Answer: c.  $M+K/T*P$**

**Explanation:**

- M is the brother of K
- K is the father of T. T is the sister of P. Here K is the father of both T and P.
- So, Option C is identify the M is the uncle of P.

13. Read the following information carefully to answer the question given below :

(i) If  $P + Q$  means P is the husband of Q;

(ii)  $P / Q$  means P is the sister of Q and;

(iii)  $P \times Q$  means P is the son of Q,

Which of the following shows A is the daughter of B ?

- a.  $B + C \times A$
- b.  $C \times B / A$
- c.  $A / D \times B$
- d.  $D \times B + C / A$

**Answer: c.  $A / D \times B$**

**Explanation:**

- A is the sister of D
- D is the son of B
- A and D are the child of B

14. Read the following information carefully to answer the question given below :

- (i)  $X - Z$  means X is the mother of Z;
- (ii)  $X \times Z$  means X is the father of Z
- (iii)  $X + Z$  means X is the daughter of Z

Now, if  $M - N \times T + Q$ , then which of the following is not true?

- a. Q is wife of N
- b. M is mother-in-law of Q
- c. N is wife of Q
- d. T is N's daughter

**Answer: a. Q is wife of N**

**Explanation:**

- M is the mother of N
- N is the father of T
- T is the daughter of Q
- N and Q are husband and wife. T is their daughter.

15. Read the following information and answer the questions given below it:

- (i) ' $X \times Y$ ' means 'X is the father of Y';
- (ii) ' $X - Y$ ' means 'X is the sister of Y';
- (iii) ' $X + Y$ ' means 'X is the mother of Y'.
- (iv) ' $X \div Y$ ' means 'X is the brother of Y'.

In the expression  $B + D \times A \div N$ , how is A related to B?

- a. Granddaughter
- b. Son
- c. Grandson
- d. Granddaughter or Grandson

**Answer: c. Grandson**

**Explanation:**

- B is the mother of D
- D is the father of A
- A is the brother of N.
- Thus, A is the son of D, whose mother is B i.e. A is B's grandson.



**Practice Questions:**

1. Rita told Mani, "The girl I met yesterday at the beach was the youngest daughter of the brother-in-law of my friend's mother." How is the girl related to Rita's friend?
  - a. Sister
  - b. Cousin
  - c. Daughter
  - d. Mother
  
2. Ravi is a son of Aman's father's sister. Sahil is the son of Divya who is the mother of Gaurav and grandmother of Aman. Ashok is the father of Tanya and grandfather of Ravi. Divya is the wife of Ashok. How is Ravi related to Divya?
  - a. Nephew
  - b. Son
  - c. Grandson

d. Daughter

3. Read the following instructions:

1.  $A + B$  indicates A is the brother of B;
2.  $A - B$  indicates A is the sister of B and
3.  $A \times B$  indicates A is the father of B

Which of the following means that C is the son of M?

- a.  $M - N \times C + F$
- b.  $F - C + N \times M$
- c.  $N + M - F \times C$
- d.  $M \times N - C + F$

4. If A is the brother of B, B is the son of C, and C is the daughter of D, how is D related to A?

- a. Uncle
- b. Grandfather
- c. Nephew
- d. Cousin

5. Read the following information and answer the questions given below it:

- (i) ' $X @ Y$ ' means 'X is the mother of Y';
- (ii) ' $X \$ Y$ ' means 'X is the husband of Y';
- (iii) ' $X \# Y$ ' means 'X is the sister of Y'.
- (iv) ' $X * Y$ ' means 'X is the son of Y'.

Which of the following indicates the relationship 'A is daughter of P'?

- a.  $P @ B \# F * A$
- b.  $P @ B \# A * F$
- c.  $A \# F * B @ P$
- d.  $A \# F * B \$ P$

**Answers:**

Q.No	1	2	3	4	5
Answers	b	c	d	b	d

