

## NTS GAT General Past Paper

Analytical – Exam No. 13 (PP)

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Two families organized a dinner party together. The seating arrangement of the family members are according to the compulsions based on seniority family members. Qadir, Pervaiz, Imran and Nasir sit around a square table with eight chairs, which are equally distributed.

Kamal, Hina, Tariq and Kiran join them at the table.

Hina and Kiran cannot sit next to each other.

Qadir and Nasir are seated on either side of Imran and are next to him.

Tariq is seated next to Nasir.

Hina is seated next to Qadir but not directly across from Imran.

Qadir is directly across from Kiran.

**Solution:**

Q	P	I	N
Ka	H	T	Ki

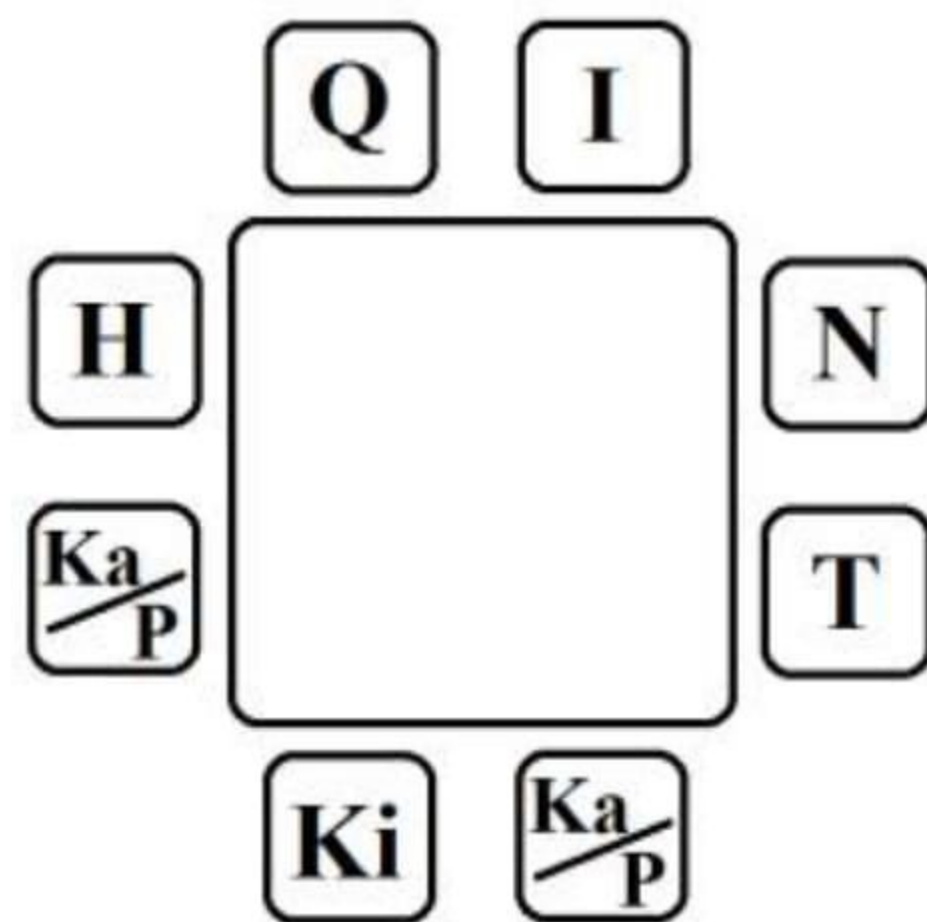
**R1:**  $H \neq Ki \pm 1$

**R2:** QIN

**R3:**  $T = N \pm 1$

**R4:**  $H = Q \pm 1$ ,  $H \neq I$ (Across)

**R5:**  $Q = Ki$ (Across)



**Questions:**

1. Which male family members could switch positions without contradicting the seating arrangement?  
(A) Imran and Nasir  
(B) Qadir and Imran

- (C) Pervaiz and Tariq
- (D) Kamal and Pervaiz
- (E) Kamal and Imran

**Solution:**

As we are not sure about the positions of Kamal and Pervaiz, so their positions can be switched without violating the seating arrangement. So, option D is correct.

2. Which of the following must be false?

- (A) Imran is not next to Tariq.
- (B) Kiran is not next to Hina.
- (C) Nasir is next to Hina.
- (D) Imran is across from Pervaiz.
- (E) Kamal is not next to Pervaiz.

**Solution:**

Apply excluding rule:

- Option (A) True.
- Option (B) True.
- Option (C) Must be wrong.
- Option (D) Can be false.
- Option (E) True.

So, option C is correct.

3. Which of the following could be true?

- (A) Nasir sits next to Hina.
- (B) Nasir sits next to Qadir.
- (C) Tariq sits next to Pervaiz.
- (D) Qadir sits next to Pervaiz.
- (E) Imran sits next to Kiran.

**Solution:**

Apply excluding rule:

- Option (A) Wrong.
- Option (B) Wrong.
- Option (C) Can be true.
- Option (D) Wrong.
- Option (E) Wrong.

So, option C is correct.

4. Which of the following must be true?

- (A) Tariq sits next to Pervaiz.
- (B) Kiran sits next to Pervaiz.
- (C) Imran sits next to Hina.
- (D) Tariq sits next to Kamal.
- (E) Kamal sits next to Qadir.

**Solution:**

Apply excluding rule:

- Option (A) Can be true.
- Option (B) Must be true.
- Option (C) Wrong.
- Option (D) Can be true.
- Option (E) Wrong.

So, option B is correct.

5. If Ahmed were now to take Tariq's seat, then Ahmed:

- (A) Must now be next to Kamal.
- (B) Must be next to Kiran.
- (C) Must be across from Kamal.
- (D) Is either next to or across from Pervaiz.
- (E) Is either next to or across from Imran.

**Solution:**

Apply excluding rule:

Option (A)      Can be true.

Option (B)      Wrong.

Option (C)      Can be true.

Option (D)      Must be true.

Option (E)      Wrong.

So, option D is correct.