



**WELCOME**





Reasoning in competitive exams is a section that tests a candidate's ability to think logically, analytically, and critically to solve problems. It involves analyzing information, identifying patterns, and drawing conclusions, and is typically divided into verbal, non-verbal, and logical reasoning. Questions assess skills like problem-solving, decision-making, and interpreting complex concepts.



# TOPIC SUMMARY



1. ANALOGY
2. SERIES
3. CLASSIFICATION
4. BLOOD RELATIONS
5. CODING & DECODING
6. DIRECTION SENSE
7. MIRROR AND WATER IMAGE
8. COUNTING FIGURES
9. PAPER FOLDING & CUTTING
10. INEQUALITY



11. SEATING ARRANGEMENT
12. FLOOR ARRANGMENT
13. VENN DIAGRAM
14. CUBE AND DICE
15. SYLLOGISM
16. ORDER AND RANKING
17. CLOCK
18. CALENDAR
19. ALPHABET TESTS (WORD ARRANGEMENT)
20. CRITICAL REASONING





## How to Crack?

To solve the coding decoding reasoning questions, first of all it is necessary to remember the **positions** (Place values) of all alphabetical letters and **opposites letters** of alphabets

A	B	C	D	E	F	G	H	I	J
1	2	3	4	5	6	7	8	9	10

K	L	M	N	O	P	Q	R	S	T
11	12	13	14	15	16	17	18	19	20

U	V	W	X	Y	Z
21	22	23	24	25	26

**E J O T Y**  
**5 10 15 20 25**



I have an Idea..

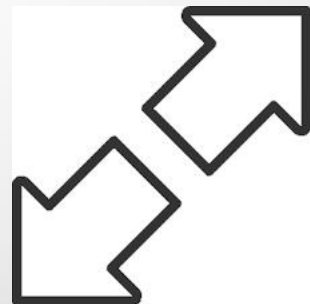




# OPPOSITE LETTERS



1	2	3	4	5	6	7	8	9	10	11	12	13
A	B	C	D	E	F	G	H	I	J	K	L	M
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14



A → Z [ Amazon ]

B → Y [ Boy ]

C → X [ Crax ]

D → W [ Dew ]

E → V [ Evening ]

F → U [ Fun ]

G → T [ GT Road ]

H → S [ Honey Singh ]

I → R [ Indian Railway ]

J → Q [ Jacqueline ]

K → P [ Kevin Peterson ]

L → O [ Love ]

M → N [ Man ]

A → Z

B → Y

C → X

D → W

E → V

F → U

G → T

H → S

I → R

J → Q

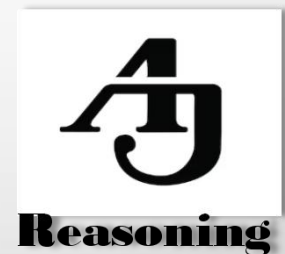
K → P

L → O

M → N



Now It's my turn tom



Determining family relationships based on given information. These questions test your ability to logically interpret relationships like parent, sibling, and grandparent

How to do

### **Understanding relationships:**

Being able to identify and distinguish different types of family relationships (e.g., mother, father, son, daughter, brother, sister, aunt, uncle, etc.) is crucial.

### **Logical deduction:**

You'll need to draw conclusions about relationships based on the information provided in the question





1. Jumbled Relation

2. Coded Relation

3. Pointing to a person / photograph



## Relations

<b>RELATIONSHIP</b>	<b>TERM</b>
Father's / Mothers's Son	Brother
Father's / Mothers's Daughter	Sister
Mothers' Brother	Maternal Uncle
Father's Brother	Paternal Uncle
Mothers' Sister	Maternal Aunt
Father's Sister	Paternal Aunt
Son's Wife	Daughter in Law
Daughter's Husband	Son in Law



## Relations

RELATIONSHIP	TERM
Sister's Husband	Brother in Law
Brother's Wife	Sister in Law
Husband's / Wife's Father	Father in Law
Husband's / Wife's Mother	Mother in Law
Brother's / Sister's Son	Nephew
Brother's / Sister's Daughter	Niece



## Relations

<b>RELATIONSHIP</b>	<b>TERM</b>
Uncle's / Aunt's Daughter	Cousin
Uncle's / Aunt's Son	Cousin
Father's Father	Paternal Grandfather
Mother's Father	Maternal Grandfather
Father's Mother	Paternal Grandmother
Mother's Mother	Maternal Grandmother
Father of Grandfather / Grandmother	Great Grandfather
Mother of Grandfather / Grandmother	Great Grandmother

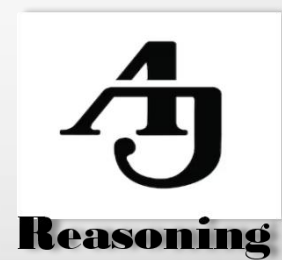
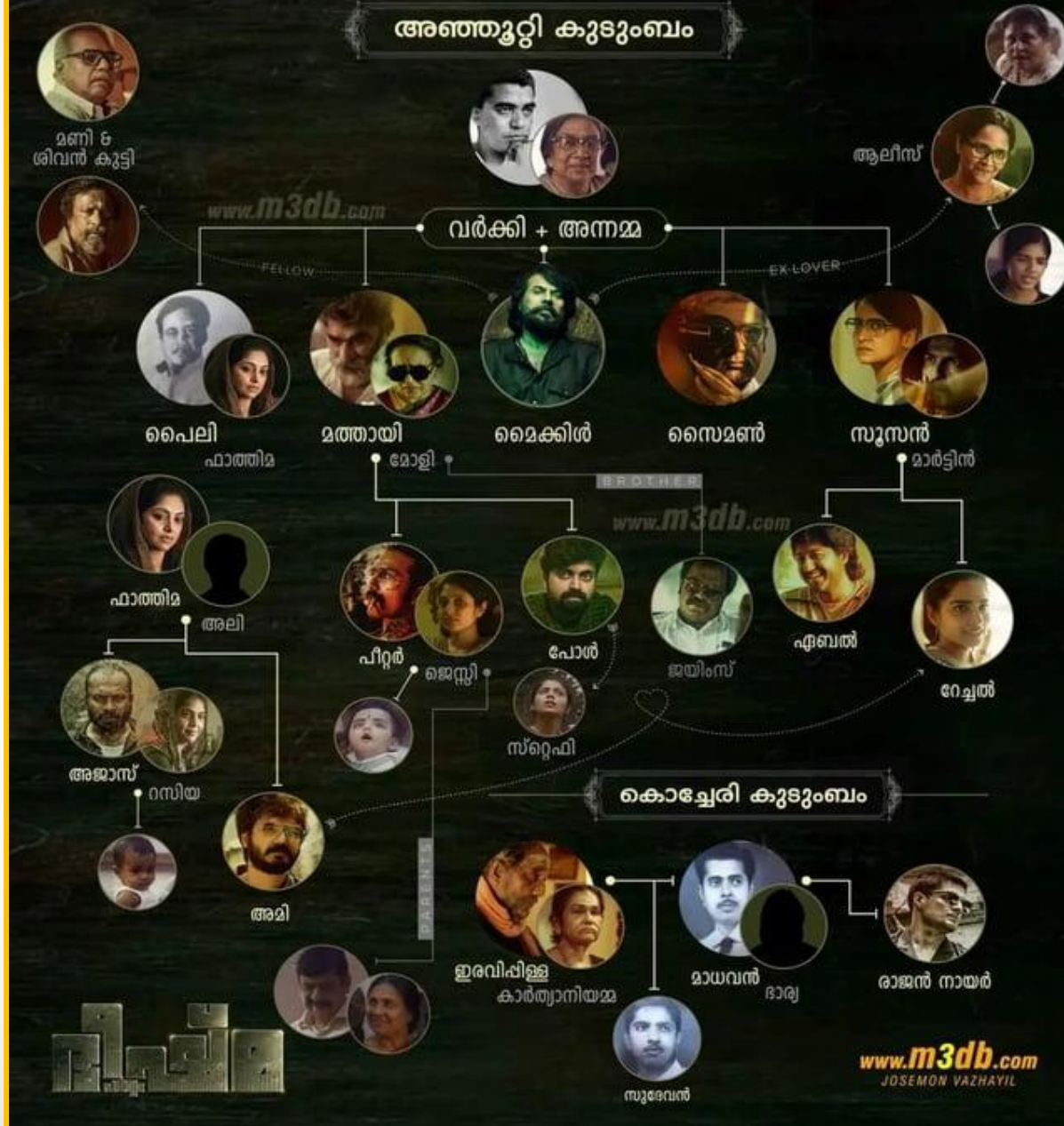




# Reasoning

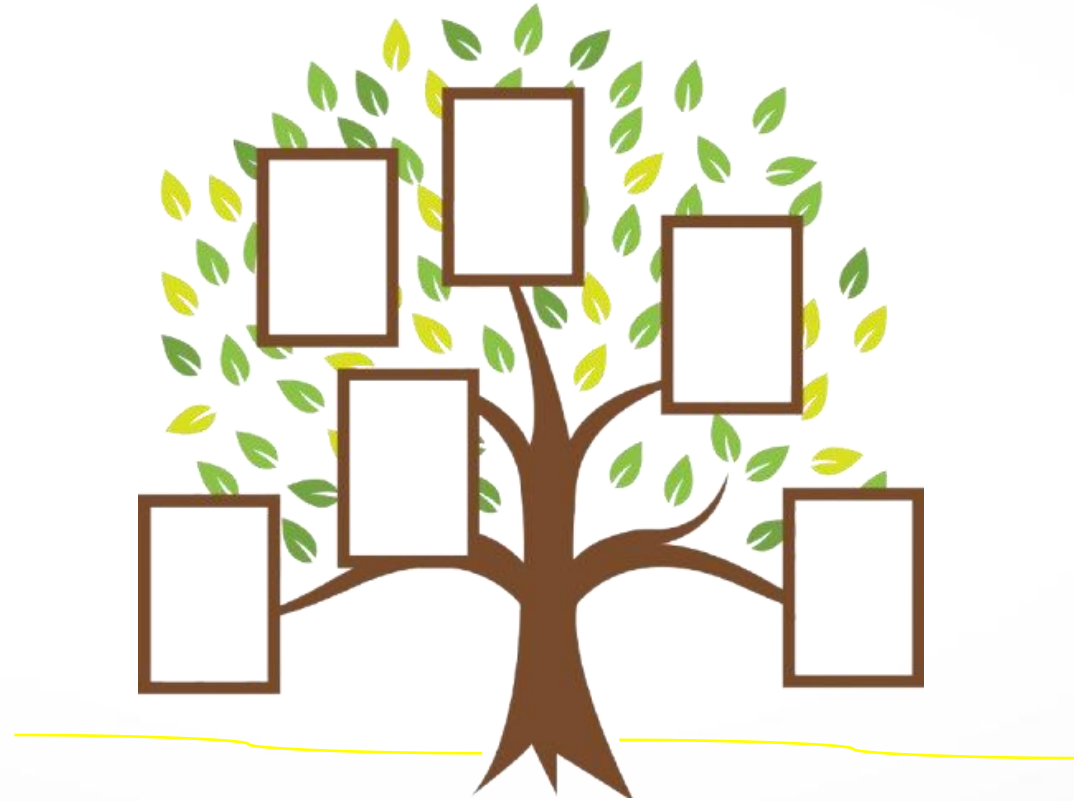


# BHEESHMA PARVAM - FAMILYTREE



# How to do???

Draw family tree



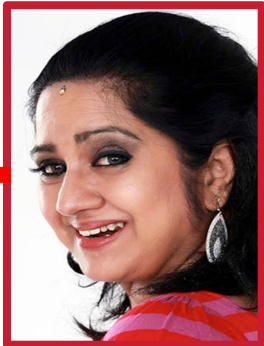
# Gender



# Generation Gap

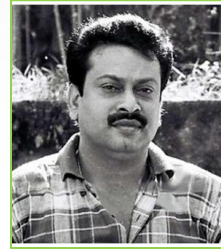


# Same Generation



## Married Relation





**WHO, WHOSE, WHOM**



2nd  
Person

Eg: A is brother of B, who is father of C; Here who means B

**AND, BUT**



1st Person

Eg: A is brother of B and father of C; Here and denotes A





# Jumbled Relations



1. P is mother of K, K is the sister of J, J is father L. Then how P related to L?

a) Mother

b) Grandmother

c) Aunt

d) Daughter



2. In a family of five members, P is Q's sister and R is Q's mother. S is R's father and T is S's mother. How is P related to S?

- a) Grand-daughter
- b) Niece
- c) Mother
- d) Daughter





3. 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



4. L is the sister of G, G is the son of M, M is married to D, D is the sister of E, E is the son of C, C is married to S, S is the sister of P. Then how L related to E?

- a) Sister in law
- b) Nephew
- c) Niece
- d) Daughter

5. Preeti is the only sister of Virat. Manoj is the son of Dileep, who is the husband of Maaya. Virat is the son of Devansh. Devansh is Manoj's father-in-law. How is Maaya related to Preeti?



- a) Daughter-in-law
- b) Sister-in-law
- c) Mother
- d) mother-in-law



6. B does not have a sister. A is the sister-in-law of B. D is the only brother of B, while B is unmarried. F is the father-in-law of D. K is the wife of F. How is K related to A?

- a) Mother in law
- b) Sister
- c) Daughter
- d) Mother



7. In a family of eight persons A, B, C, D, E, F, G and H, there are two couples, each having two children. B and D are brothers and each has two children. E is the aunt of A who is cousin brother of C. C is the sister of H, who is the cousin brother of G. F is the wife of B. How H related to F?

- a) Nephew
- b) Son in law
- c) Son
- d) Brother-in-law



8. There is a family of five members: K, L, M, N and O. Among them, there is one married couple. O is unmarried and he is the brother of K. N is the sister of O. M is the only married female and the mother of N. L and O are the only males in the group. Who is the father of K?

- a) O
- b) L
- c) K
- d) M



9. Bharat and Sapna are husband and wife. Rohit and Bharat are brothers. Suresh is the father of Rohit. Sapna's son is Krish. How is Krish related to Suresh?

- a) Son
- b) Father
- c) Uncle
- d) Grandson



10. In a family, B is the father of K. B has only two children. K is the brother of R. R is the daughter of P. A is the granddaughter of P. S is the father of A. How is S related to K?

- a) Son
- b) Brother-in-law
- c) Brother
- d) Son-in-law

THANK  
YOU!

All the best,

