

**LOGIC · LOGICAL REASONING**

13. Blood Relations & Kinship

Official PMDC Solved Past Paper Topical Booklet · High-Yield Examination Series

🎯 11 Solved Questions

📅 2022 to 2025 Archive

🏥 Boards: BUMHS, DUHS, KMU, UHS

📖 Weightage: 3% of MDCAT (6 MCQs)

Curated by Ibrahim for fellow bees. Every question in this chapter has been verified against official UHS, NUMS, SZABMU, DUHS, and KMU answer keys. Propolis cognitive autopsies are provided at the end of this booklet to explain core concepts and break down common distractor traps.

OFFICIAL SOLVED EDITION**Q1.**

KMU 2025

How is Ali related to Mustafa? If Ali says, "*Mustafa's mother is the only child of my grandmother.*"

- (A) Brother
- (B) Cousin
- (C) Uncle
- (D) Father

Q2.

UHS 2025

P, Q and R are M's parents. M and N are siblings. Q is N's mother. What is P to M?

- (A) Mother
- (B) Father
- (C) Sister
- (D) Brother

Q3.

DUHS 2025

In a family of six members:

- P is the father of Q
- R is the mother of Q
- S is the sister of Q
- T is the brother of P

Who is the uncle of Q?

- (A) P
- (B) R
- (C) S
- (D) T

Q4.

DUHS 2025

If A is the mother of B and C is the child of B, then what is the relationship between A and C?

- (A) Aunt
- (B) Grandmother
- (C) Sister
- (D) Cousin

Q5.

DUHS 2025

In a family of six members:

- P is the father of Q
- R is the mother of Q
- S is the sister of Q
- T is the brother of P

Who is the uncle of Q?

- (A) P
- (B) R
- (C) S
- (D) T

Q6.

DUHS 2025

If A is the mother of B and C is the child of B, then what is the relationship between A and C?

- (A) Aunt
- (B) Grandmother
- (C) Sister
- (D) Cousin

Q7.

KMU 2025

How is Ali related to Mustafa? If Ali says, "*Mustafa's mother is the only child of my grandmother,*"

- (A) Brother
- (B) Cousin
- (C) Uncle
- (D) Father

Q8.

UHS 2025

P and Q are M's parents. M and N are siblings. Q is N's mother. What is P to M?

- (A) Mother
- (B) Father
- (C) Sister
- (D) Brother

Q9.

BUMHS 2024

Statement 1: A is the brother of B.

Statement 2: B is the daughter of C.

Based on these statements, how is A related to C?

- (A) Brother
- (B) Son
- (C) Father
- (D) Daughter

Q10.

DUHS 2024

Parveen, Qadir, Rehan, Salim, and Tehmina are five people in a family.

- Parveen is the daughter of Qadir.
- Qadir is the son of Rehan.
- Rehan is the father of Salim.
- Tehmina is the daughter of Parveen.

Which of the following is true?

- (A) Rehan is the uncle of Parveen
- (B) Qadir is the grandfather of Parveen
- (C) Parveen is the sister of Tehmina
- (D) None of them

Q11.

DUHS 2022

P, Q, R, S and T are five people in a family.

- P is the daughter of Q
- Q is the son of R
- R is the father of S
- T is the daughter of P

Which of the following is true?

- (A) R is the uncle of P
- (B) R is the grandfather of P
- (C) P and R are sisters
- (D) Q is daughter of S

RAPID 5-COLUMN ANSWER KEY

Official PMDC verified answer keys for 13. Blood Relations & Kinship.

beambeprep.com

Q#	KEY	BOARD	Q#	KEY	BOARD	Q#	KEY	BOARD	Q#	KEY	BOARD	Q#	KEY	BOARD
1	A	KMU 2025	4	B	DUHS 2025	7	A	KMU 2025	10	D	DUHS 2024			
2	B	UHS 2025	5	D	DUHS 2025	8	B	UHS 2025	11	B	DUHS 2022			
3	D	DUHS 2025	6	B	DUHS 2025	9	B	BUMHS 2024						

TOTAL MCQS
11

CORRECT

INCORRECT

BLANK

ACCURACY

%

Scan the booklet QR code to enter answers in **BeambePrep Grind Mode** for automated error autopsies.

PROPOLIS COGNITIVE ERROR AUTOPSIES

Step-by-step conceptual derivations, formula working, and distractor autopsies for every question.

Question #1 Key: (A)

KMU 2025

How is Ali related to Mustafa? If Ali says, "Mustafa's mother is the only child of my grandmother."

CORE CONCEPT AND DERIVATION

Kinship & Blood Relations.

Formula: N/A

Solution:

- "Only child of my grandmother" = Ali's mother.
- "Mustafa's mother is Ali's mother".
- Therefore, Ali and Mustafa are brothers.

Why other options are incorrect:

- **Option B:** Cousin would imply the grandmother has multiple children.

Question #2 Key: (B)

UHS 2025

P, Q and R are M's parents. M and N are siblings. Q is N's mother. What is P to M?

CORE CONCEPT AND DERIVATION

Logical Deductions in Kinship.

Formula: N/A

Solution:

- Since M and N are siblings, they share the same parents.
- Q is identified as the mother.
- Because P and Q are the parents, P must be the father.

Why other options are incorrect:

- **Option A:** Q is already established as the mother.

Question #3 Key: (D)

DUHS 2025

In a family of six members: • P is the father of Q • R is the mother of Q • S is the sister of Q • T is the br...

CORE CONCEPT AND DERIVATION

Family Tree Relations.

Formula: Paternal Uncle = Father's Brother

Solution: P is Q's father. T is P's brother. Therefore, T is Q's paternal uncle.

Why other options are incorrect:

- **Option A:** P is the father.
- **Option B:** R is the mother.

Question #4 Key: (B)

DUHS 2025

If A is the mother of B and C is the child of B, then what is the relationship between A and C?

CORE CONCEPT AND DERIVATION

Generational Kinship.

Formula: Parent's Mother = Grandmother

Solution: A is the parent of B, and B is the parent of C. Thus, A is C's grandmother.

Why other options are incorrect:

- **Option A:** An aunt is a parent's sister.

Question #5 Key: (D)

DUHS 2025

In a family of six members: • P is the father of Q • R is the mother of Q • S is the sister of Q • T is the br...

CORE CONCEPT AND DERIVATION

Kinship Deduction.

Formula: N/A

Solution: The brother of Q's father (P) is T, making T the paternal uncle of Q.

Why other options are incorrect:

- **Options A and B:** Represent Q's father and mother.

Question #6 Key: (B)

DUHS 2025

If A is the mother of B and C is the child of B, then what is the relationship between A and C?

CORE CONCEPT AND DERIVATION

Two-Generation Kinship.

Formula: N/A

Solution: Mother of a child's parent is the grandmother.

Why other options are incorrect:

- **Option A:** Aunt is a parent's sister.

Question #7 Key: (A)

KMU 2025

How is Ali related to Mustafa? If Ali says, "Mustafa's mother is the only child of my grandmother,"

CORE CONCEPT AND DERIVATION

Blood Relation Logic.

Formula: N/A

Solution: Only child of grandmother = mother. Both share the same mother, so they are brothers.

Why other options are incorrect:

- **Option B:** Would require aunt/uncle relationships.

Question #8 Key: (B)

UHS 2025

P and Q are M's parents. M and N are siblings. Q is N's mother. What is P to M?

CORE CONCEPT AND DERIVATION

Parental Relationship Deductions.

Formula: N/A

Solution: Q is mother, so parent P is father.

Why other options are incorrect:

- **Option A:** Q is mother.

Question #9 Key: (B)

BUMHS 2024

Statement 1: A is the brother of B. Statement 2: B is the daughter of C. Based on these statements, how is A r...

CORE CONCEPT AND DERIVATION

Direct Lineage Deductions.

Formula: N/A

Solution: B is C's daughter (female child). A is B's brother (male sibling). Therefore, A is the son of C.

Why other options are incorrect:

- **Option D:** A is male ('brother'), so A cannot be a daughter.

Question #10 Key: (D)

DUHS 2024

Parveen, Qadir, Rehan, Salim, and Tehmina are five people in a family. • Parveen is the daughter of Qadir. • Q...

CORE CONCEPT AND DERIVATION

Family Lineage Trees.

Formula: N/A

Solution: Rehan is grandfather to Parveen; Qadir is father to Parveen; Parveen is mother to Tehmina. Options A through C are entirely incorrect statements, making Option D ('None of them') the correct answer.

Why other options are incorrect:

- **Options A, B, & C:** State incorrect generational roles.

Question #11 Key: (B)

DUHS 2022

P, Q, R, S and T are five people in a family. • P is the daughter of Q • Q is the son of R • R is the father o...

CORE CONCEPT AND DERIVATION

Lineage Tree Analysis.

Formula: N/A

Solution:

- Q is the son of R (R is parent).
- P is the daughter of Q.
- Since R is male ('father of S'), R is the **grandfather of P**.

Why other options are incorrect:

- **Option A:** R is two generations above P (grandfather, not uncle).