



BEAMBEPREP
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LOGIC · LOGICAL REASONING

06. Logical Statements & Negation

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

🕒 1 Solved Questions

📅 2024 Archive

🏛️ Boards: SZABMU

📖 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.

SZABMU 2024

"All practical numbers are even" is a false statement.

Then the true statement is:

- Ⓐ All practical numbers are odd
- Ⓑ Some practical numbers are not even
- Ⓒ Some practical numbers are even
- Ⓓ Some practical numbers are not odd

RAPID 5-COLUMN ANSWER KEY

Official PMDC verified answer keys for O6. Logical Statements & Negation.

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Q#	KEY	BOARD
1	B	SZABMU 2024

Q#	KEY	BOARD
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TOTAL MCQS
1

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: (B)**

SZABMU 2024

"All practical numbers are even" is a false statement. Then the true statement is:

CORE CONCEPT AND DERIVATION

Formal Logical Negation.

Formula: $\neg(\forall x, P(x)) \iff \exists x, \neg P(x)$

Solution: The logical negation of 'All A are B' is 'Some A are not B' (Option B).

Why other options are incorrect:

- **Option A:** Makes a contrary universal claim rather than a strict logical negation.