

JEE MAIN RELATIONS AND FUNCTIONS — LOGARITHMS AND THEIR PROPERTIES (JEE) — PYQS

Max. Marks: 8

Questions: 2

Section A (MCQ) — 1 question

Q.1 The sum of all the real solutions of the equation $\log_{(x+3)}(6x^2 + 28x + 30) = 5 - 2\log_{(6x+10)}(x^2 + 6x + 9)$ is equal to :

[JEE Main 2026 (Online) 23rd January Evening Shift]

- (1) 1 (2) 4 (3) 0 (4) 2

Scan or tap for the full solution



Section B (Numerical) — 1 question

Q.2 The sum of squares of all the real solutions of the equation

$\log_{(x+1)}(2x^2+5x+3) = 4 - \log_{(2x+3)}(x^2+2x+1)$ is equal to _____.

[JEE Main 2026 (Online) 8th April Evening Shift]

Scan or tap for the full solution



ANSWER KEY

Section A (MCQ) — 1 question

[illegible]

Section B (Numerical) — 1 question

[illegible]