

BCS Career SPARK

46th BCS Written Math(Exam-01)

বীজগণিতিক সূত্রাবলী

- 1) $x - \frac{1}{x} = \sqrt{3}$ হলে, $x^6 + \frac{1}{x^6} = ?$ 2.5
- 2) $y = \sqrt{2} + \sqrt{3}$ হলে, $(y^2 + \frac{1}{y^2})(y^3 - \frac{1}{y^3}) = ?$ 2.5
- 3) $x = 3 + \frac{1}{x}$, হলে প্রমাণ করুন যে, $x^4 = 119 - \frac{1}{x^4}$ 2.5
- 4) $x^2 + 1 = 4x$, হলে, $\frac{x^3+1}{x\sqrt{x}} = ?$ 5
- 5) $x + \frac{1}{x} = 5$ হলে, $x^5 + x^4 + x^3 + x^2 + \frac{1}{x^2} + \frac{1}{x^3} + \frac{1}{x^4} + \frac{1}{x^5} = ?$ 5
- 6) $a = \sqrt{6} + \sqrt{5}$ হলে, $\frac{a^6-1}{a^3} = ?$ 2.5

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ASP , 43rd BCS Police(recommended)

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