

11th Class FSC Mathematics Chapter 4 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. 1 B. 0 C. 2 D. 3
2	Question Image	A. c = 0 B. b = 0, c = 0
3	The roots of the equation $25x^2 - 30x + 9 = 0$ are;	A. rational B. irrational C. equal D. complex
4	Which one is exponential equation:	A. ax ² + bx + c = 0 B. ax + b = 0 D. 2 ^x = 16
5	If a polynomial $P(x) = x^2 + 4x^2 - 2x + 5$ is divided by $x - 1$, then the reminder is:	A. 8 B2 C. 4 D. 5
6	If α , β are the roots of x^2 + kx + 12=0 such that α - β = 1 then K = :	A. 0 B. ±5 C. ±7 D. ±15
7	Solution set of the simultaneous equations : $x + y = 1$, $x - y = 1$ is:	A. {(0,0)} B. {(1,0)} C. {(0,1)} D. {(1,1)}
8	If the roots of x^2 - bx + c = 0 are two consecutive integers, then: b^2 - 4ac =	A. 0 B. 1 C1 D. 2
9	If $P(x)$ is a polynomial of degree m and $Q(x)$ is a polynomial of degree n, the product $P(x)$. $Q(x)$ will be a polynomial of degree:	A. m. n B. m - n C. m + n D. m × n
10	Equations having a common solution are called:	A. linear B. quadratic C. homogeneous D. simultenaeous
11	6 g of hydrogen gas is.	A. 1 mole B. 2 moles C. 3 moles D. 4 moles
12	Question Image	D. i
13	For what value of k, the sum of the roots of the equation $x^2 + kx + 4 = 0$ is equal to the product of its roots:	A. ±1 B. 4 C. ±4 D4
14	Question Image	A. quadratic equation B. reciprocal equation C. exponential equation D. none of these
15	For what value of k, the roots of the equation $x^2 + \sqrt{k} x + 2 = 0$ are equal:	A. 1 B. 8 C. 2 D. 4
16	Question Image	A. linear equation B. Quadraticequation C. cubicequation D. radicalequation
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17	In $ax^2 + bx + c = 0$, if $b^2 - 4ac > 0$ and perfect square the roots are:	A. rational B. irrational C. equal D. complex
18	Sum of all four fourth roots of unity is:	A. 1 B. 0 C1 D. 3
19	Sum of all three cube roots of unity is:	A. 1 B1 C. 0 D. 3
20	If $P(x)$ is a polynomial of degree m and $Q(x)$ is a polynomial of degree n, the quotient $P(x) + Q(x)$ will produce a polynomial of degree:	A. m . n, plus a quotient B. m - n, plus a remainder C. m + n, plus a factor D. m + n, plus a remainder