

11th Class FSC Mathematics Chapter 4 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. linear equation B. Quadraticequation C. cubicequation D. radicalequation
2	Which one is exponential equation:	A. ax ² + bx + c = 0 B. ax + b = 0 D. 2 ^x = 16
3	The roots of the equation $25x^2 - 30x + 9 = 0$ are;	A. rational B. irrational C. equal D. complex
4	No. of ways of solving a quadratic equation:	A. 1 B. 3 C. 2 D. 4
5	Equations having a common solution are called:	A. linear B. quadratic C. homogeneous D. simultenaeous
6	Which one is radical equation:	A. ax ² + bx + c B. ax + b = 0 D. 2 ^x = 16
7	Question Image	A. c = 0 B. b = 0, c = 0
8	Sum of all four fourth roots of unity is:	A. 1 B. 0 C1 D. 3
9	Sum of all three cube roots of unity is:	A. 1 B1 C. 0 D. 3
10	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)}
11	If the roots of x^2 - bx + c = 0 are two consecutive integers, then: b^2 - 4ac =	A. 0 B. 1 C1 D. 2
12	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
13	If the Discriminant of a quadratic equation is a perfect square, then roots are:	A. real and equal B. complex C. rational D. irrational
14	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
15	Question Image	D. i
16	The roots of the equation:	A. complex B. irrational C. rational D. none of these
17	If any root of $2x^2 + ay + 6 = 0$ in 2 than the value of a in-	A. 7

'	If one root of $2x^- + ax + b = 0$ is 2 then the value of a is:	B7
		A. m . n
8	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:	B. m - n
O		C. m + n
		D. m×n
	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
9		C. ±4
		D4
	If α , β are complex cube roots of unity, then 1 + α^n + β^n = where n is a positive integer divisible by 3:	A. 1
0		B. 3
U		C. 2
		D. 4