11th Class ICS Mathematics Chapter 4 Test Online

Sr	Questions	Answers Choice
1	A numbers exceeds its square root by 6, the number is:	A. 6 B. 3 C. 9 D. none of these
2	No. of ways of solving a quadratic equation:	A. 1 B. 3 C. 2 D. 4
3	One of the roots of the equation 3x2 + 2x + k = 0 is the reciprocal of the other, then k = ...:	A. 3 B. 2 C. 1 D. 4
4	If the roots of x^2 - bx + c = 0 are two consecutive integers, then: b^2 - 4ac =	A. 0 B. 1 C. -1 D. 2
5	Question Image	A. 1 B. 0 C. 2 D. 3
6	Question Image	D. none of these
7	Which one is radical equation:	A. ax² + bx + c B. ax + b = 0 D. 2^x = 16
8	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 D. -4
9	Four fourth roots of 625 are:	A. ±5,±5i B. ±5,±25i C. ±25,±25i D. none of these
10	Sum of roots of ax^2 + bx + c = 0 is equal to product of roots only if:	A. a+c=0 B. b+c=0 C. a+b=0 D. a+b+c=0
11	If α, ß are complex cube roots of unity, then 1 + α^n + $ß^n$ = ... where n is a positive integer divisible by 3:	A. 1 B. 3 C. 2 D. 4
12	6 g of hydrogen gas is.	A. 1 mole B. 2 moles C. 3 moles D. 4 moles
13	For what value of k, the roots of the equation x^2 + √k x + 2 = 0 are equal:	A. 1 B. 8 C. 2 D. 4
14	Solution set of the equation x^2 - 3x + 2 = 0 is	A. {-1, 2} B. {1, -2} C. {-1, -2} D. {1, 2}
15	If the sum of the roots of the equation kx^2 - 2x + 2k = 0 is equal to their product, then the value of k is:	A. 1 B. 2 C. 3 D. 4
16	3^{2x} - 3^x - 6 = 0 is:	A. reciprocal equation B. exponentialequation C. radicalequation

		D. none of these
17	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
18	The roots of the equation $25x^2 - 30x + 9 = 0$ are;	A. rational B. irrational C. equal D. complex
19	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
20	If one root of $2x^2 + ax + 6 = 0$ is 2 then the value of a is:	A. 7 B. -7