Theory of Quadratic Equations

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. 9 B. 7 C. 5 D. 3
3	The product of three cube roots of unity is:	A. Zero B. Four C. Two D. One
4	The discriminant of $x^2-3x+3=0$ is:	A. -3 B. 3 C. -2 D. 2
5	If $b^2-4ac<0$, then the roots of $ax^2+bx+c=0$ are:	A. Irrational B. Rational C. Imaginary D. None of these
6	$ax^2+bx+c=0$, c is the:	A. Co-efficient B. Variable C. Factors D. Constant
7	Question Image	B. 1
8	Question Image	A. 2 B. 6 D. 5
9	The discriminant of $x^2+8x+16=0$:	A. 4 B. 3 C. 2 D. 0
10	The product of roots, of equation $5x^2+(7-2m)\ x + 3 = 0$ will be:	
11	Two square roots of unity are:	A. 1,-1
12	The nature of roots in equation $7x^2+8x+1=0$ is:	A. Rational and unequal B. Irrational and unequal C. Rationaland equal D. Irrationaland equal
13	The Discriminant of $ax^2+bx+c=0$ is:	A. b²-4ac B. b²⁺4ac C. -b²⁺4ac D. -b²-4ac
14	In equation $ax^2+bx+c=0$, a and b are:	A. Constants B. Co-efficients C. Variables D. Factors
15	Question Image	
16	If a = 2, b = -7, c = 1, then the value of b^2-4ac is:	A. 37 B. 39 C. 41 D. 42
17	Question Image	
18	The some of cube roots of unity is:	A. Zero B. One C. Two D. Three
19	If 1 is the zero of polynomial, then remainder is:	A. 3 B. 2 C. 0

		D. 1
20	Sum of the roots =	