Theory of Quadratic Equations

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. One variable B. Twovariable C. Threevariable D. Fourvariable
3	Sum roots of $4x^2-3x+6=0$:	
4	Question Image	
5	Question Image	
6	Product of the roots of the equation $3x^2-5x+7=0$:	A. 3⁷ B. 7³
7	In equation $ax^2+bx+c=0$, a and b are:	A. Constants B. Co-efficients C. Variables D. Factors
8	The nature of roots depends on the value of:	A. -b+4ac B. b²+4c C. b²-4ac D. -b+4ac²
9	Question Image	B. 1
10	If a = 2, b = -7, c = 1, then the value of b^2-4ac is:	A. 37 B. 39 C. 41 D. 42
11	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
12	Question Image	A. 1 B. -1 C. 0 D. 2
13	If a = 7, b = 8 and c = 1 then b^2-4ac is equal to:	A. 33 B. 34 C. 35 D. 36
14	Question Image	
15	Question Image	A. 214 B. 256 C. 273 D. 296
16	The value of ***i*** is equal to:	
17	Question Image	A. 2 B. 1 C. 0
18	If $b^2-4ac < 0$, then roots are:	A. Unreal B. Imaginary C. Real D. Unequal
19	If a = -2, b = -1 and c = -1, then discriminant is equal to:	A. 17 B. -17 C. -7 D. 7
20	Product of two roots =	