NAT I Computer Science Mathematics

Sr	Questions	Answers Choice
1	If ab > 0 and a < 0, which of the following is negative?	A. b B. -b C. -a D. $(a - b)^2$
2	If x < y, 2x = A and 2y = B then	A. A =B B. A < B C. A< X D. B < y
3	If a line passes through origin then the equation of the line is	A. y = m/x B. y = mx C. x = my D. None
4	The angle a (0° < a< 180°) measured counterclockwise from positive x-axis to a non-horizontal straight line / is called the	A. Rotation B. Inclination C. Radian D. None
5	The center of a circle of radius 10 is on the origin which of the following points lies with in the circle	A. (10,0) B. (8,8) C. (8,4) D. (0,10)
6	If $k_1 : k_2$ = 1:1 then the point P dividing the line is	A. Mid point B. Extreme left point C. Extreme Right point D. Plies out side k_1 and k_2
7	If the diagonal of a square has coordinates (1,2) and(5,6) the length of a side is	A. 3 B. 4 C. 1 D. 5
8	Which of the following is the equation of a line with slope 0 and passing through the point (4,3)	A. X =4 B. X = -4 C. Y = 3 D. Y = -6
9	The curves y =x^2, y= x interest at	A. (0,0) ,(1,1) B. (2,4) C. (0,),(2,4) D. (0,3),(-1,1)
10	The equation of the line with gradient 1 passing through the point (h,k) is	A. Y = x+ k-h B. Y = k/hx +1 C. Y = x + h -l D. Ky = hx =1