NAT II Physical Science Mathematics

Sr	Questions	Answers Choice
1	Question Image	
2	The point (-5, 3) is the center of a circle and P(7, -2) lies on the circle. The radius of the circle is	A. 2 B. 13 C. 7 D. 8
3	Question Image	A. 1 B. 2 C. 3 D. 4
4	120 degrees are equal to how many radians?	
5	Question Image	A. (0, e) B. (0, 1) D. None
6	What is a proper rational fraction?	D. All are proper rational fractions
7	The value of x, and y, when $(x + iy)^2 = 5 + 4i$	A. X = 2, y = -1 B. X = -2, y = 1 C. X = 2, y = -1 D. X = 2, y = 2
8	Question Image	D. None
9	Question Image	A. 1 B. 0 C. -2 D. 3
10	Which of the vectors have opposite direction?	D. Both A and B
11	Question Image	D. None of these
12	Question Image	A. 0 B. 1 C. -1 D. 2
13	The common difference of the sequence 7,4,1, ... is	A. 1 B. -3 C. 5 D. 0
14	The graph of a quadratic function is	A. Circle B. Ellipse C. Parabola D. Hexagon
15	The perpendicular bisector of any chord of a circle	A. Passes through the centre of the cirle B. Does not pass through the centre of the circle C. May or may not pass through the centre of the cirlce D. None of these
16	Question Image	
17	Question Image	A. A polynomial B. An inequality C. An identity D. A linear function
18	Question Image	A. 1 B. 2 C. 3 D. 4
19	Multiplicative inverse of "1" is	A. 0 B. <u>+</u> 1 C. 1

		D. {0, 1}
20	If A and B are two events, then P(AUB) = ? (when A and B are disjoint)	A. P(A) - P(B) B. P(A) x P(B) C. P(A)+P(B)