NAT II Physical Science Mathematics

Sr	Questions	Answers Choice
1	The set {{a,b}} is	A. Infinite set B. Singleton set C. Two points set D. None
2	Which of the following is the subset of all sets?	B. {1, 2,3} D. {0}
3	In a school, there are 150 students. Out of these 80 students enrolled for mathematics class, 50 enrolled for English class, and 60 enrolled for Physics class. The student enrolled for English cannot attend any other class, but the students of mathematics and Physics can take two courses at a time. Find the number of students who have taken both physics and mathematics	A. 40 B. 30 C. 50 D. 20
4	Multiplicative inverse of "1" is	A. 0 B. <u>+</u> 1 C. 1 D. {0, 1}
5	The multiplicative inverse of x such that x = 0 is	A. -x B. does not exist C. 1/x D. 0
6	The complement of set A relative to universal set U is the set	D. A - U
7	Question Image	A. 15 B. 15 i C. -15 i D. -15
8	Question Image	D. -2-i
9	If Z = (1,2), then Z^{-1}= ?	A. (0.2, 0.4) B. (-0.2, 0.4) C. (0.2 , -0.4) D. (-0.2, -0.4)
10	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
11	Question Image	A. A positive integer B. A negative integer C. A natural number D. An irrational number
12	Question Image	A. An irrational number B. Whole number C. A positive integer D. A rational number
13	Every prime number is also	A. Rational number B. even number C. Irrational number D. multiple of two numbers
14	3/2 is	A. An irrational number B. Whole number C. A positive integer D. A rational number
15	6 is	A. A prime integer B. An irrational number C. A rational number D. An odd integer