NAT II Physical Science Mathematics

Sr	Questions	Answers Choice
1	A point of a solution region where two of its boundary lines intersect, is called	A. Boundary B. Inequality C. Half Plane D. Vertex
2	Total number of terms in the expansion of $(a + b)^5 + (a - b)^5$ after simplification are	A. 3 B. 1 C. 4 D. 7
3	Question Image	
4	Question Image	
5	A line segment whose end points lie on a circle is called	A. The secant of the circle B. The arc of the circle C. The chord of the circle D. The circumference of the circle
6	Question Image	A. 15 B. 15 i C. -15 i D. -15
7	Question Image	A. A < G < H B. A > G > H C. A < G > H D. A > G < H
8	If $0 < n < 1$, n is a rational number, the number of terms in the expansion of $(1 + X)^n$ are	A. n + 1 B. 2n C. Infinitely many D. $2n^2$
9	$a + x$ is	A. A trinomial B. A binomial C. A moomial D. An equation
10	In the expansion of $(a + b)^n$ in every term the sum of the exponents of a and b is	A. n B. n + 1 C. 2n - 1 D. 2n + 1
11	Question Image	
12	Question Image	
13	The equation of the normal to the circle $x^2 + y^2 = 25$ at(4, 3) is	A. 3x - 4y = 0 B. 3x - 4y = 5 C. 4x + 3y = 5 D. 4x + 3y = 25
14	A die is thrown. What is the probability that there is a prime number on the top?	A. 1/2 B. 1/3 C. 1/6 D. 2/3
15	Question Image	
16	Question Image	
17	Question Image	
18	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
19	The graph of a quadratic function is	A. Circle B. Ellipse C. Parabola

| 20 | Question Image |