

NAT II Physical Science Mathematics

Sr	Questions	Answers Choice
1	Which of the following is the subset of all sets?	B. {1, 2,3} D. {0}
2	Question Image	A. 1 B. 2 C. 3 D. 4
3	A function F(x) is called even if	A. $F(x) = F(-x)$ B. $F(x) = F(-x)$ C. $F(x) = -F(x)$ D. $2F(x) = 0$
4	A fraction in which the degree of the numerator is less than the degree of the denominator is called	A. Polynomial B. Proper fraction C. Rational fraction D. Mixed fraction
5	Question Image	A. Unit matrix B. Diagonal matrix C. Nilpotent matrix D. Zero matrix
6	An angle of one radian is equivalent to	A. 90 b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px">° B. 60 b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px">° C. 67 b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px">° D. 57 b style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px">° <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size:
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 16px">° 16px">° 18
7	Question Image	
8	Two dice are rolled. The number of possible outcome in which at least one die shows 2 is?	A. 5 B. 12 C. 11 D. 7
9	Question Image	A. 2 B. 1 C. 0
10	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)
11	Question Image	
12	Question Image	A. 1 B. 2 C. 3 D. 4
13	Question Image	
14	The circle $(x-2)^2$ + $(y+3)^2$ = 4 is not concentric with the circle	A. (x-2) ² + (y+3)< ² = 9 B. (x+2) ² + (y-3)< ² = 4 C. (x-2) ² + (y+3)< ² = 8 D. (x-2) ² + (y+3)< ² = 5
		A. (0.2, 0.4)

15	If $Z = (1,2)$, then $Z^{-1} = ?$	B. (-0.2, 0.4) C. (0.2, -0.4) D. (-0.2, -0.4)
16	The length of rectangle is twice as much as its breadth. If the perimeter is 120 cm, the length of the rectangle is	A. 10 cm B. 20 cm C. 30 cm D. 40 cm
17	For which of the following ordered pairs (s, t) is $s + t > 2$ and $s - t < -3$?	A. (3, 2) B. (2, 3) C. (1, 8) D. (0, 3)
18	Question Image	A. An equation B. Linear equation C. Rational fraction D. Identity
19	Question Image	A. A + B B. C ² /AB C. A ² /BC D. B ² /AC
20	Question Image	A. <div>Both A,B have the same number of columns</div> B. <div>Both A and B do not have the same order</div> C. <div>Number of col A is same as number of rows of B</div> D. <div>Number of rows of A is same as number of old is same as number of rows of B</div>