NAT II Physical Science Mathematics

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	The nth term of of A.P:1,5,9,15,..... is given by	A. 4n - 3 B. 4n + 1 C. 3n - 4 D. 4n + 3
4	Question Image	
5	Question Image	
6	If 2 Sin x Cos 2 x = Sin x then?	
7	a + x is	A. A trinomial B. A binomial C. A moomial D. An equation
8	Question Image	A. Nilpotent matrix B. Singular matrix C. Non singular matrix D. Diagonal matrix
9	If c is a constant number and if f is the function defined by the equation f(x) = c for all values of x, then f is differentiable at every x and f is defined the equation f(x) = _____	A. f B. 1 C. C D. 0
10	Question Image	
11	Question Image	
12	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
13	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
14	The equation of the line with gradient 1 passing through the point (h, k) is	A. Y = x + k - h B. Y = k/h x + 1 C. Y = x + h - k D. Ky = hx - 1
15	If the 19th term of A.P is 8 and the 4th term is 20, then the first term is	A. 20.2 B. 25.5 C. 27.5 D. 37.5
16	Which is an explicit function	D. All
17	Question Image	A. 0 B. -25 C. 5 D. 45
18	Question Image	D. None of these
19	Sin(a + b) + Sin (a - b) =	A. Sin a Cos b B. Sin a Sin b C. Sin a + Cos b D. Sin a - 2 Cos b
20	Ifα andβ be irrational roots of a quadratic equation, then	