

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	B. $a f(x) + c$ C. $f(x) + a$
3	The nth term of an A.P is $(3n+5)$ Its 75th term is	A. 26 B. 7 C. 21 D. Cannot be determined
4	Question Image	A. A rational number B. An irrational number C. An odd number D. A prime number
5	Question Image	
6	Question Image	
7	If $2 \tan^{-1}(\cos x) = \tan^{-1}(\operatorname{cosec}^2 x)$, then x is equal to	A. $\frac{\pi}{3}$ B. $\frac{\pi}{2}$ C. $\frac{\pi}{6}$ D. $\frac{\pi}{4}$
8	Question Image	A. $e^{x^2} + c$ B. $e^{-x^2} + c$ C. $x e^{x^2} + c$ D. not possible
9	If distance between $(a,2)$ and $(0,0)$ is 2 then $a =$ _____	A. 0 B. 2 C. 4
10	If $(0, 0)$ and $(1, 0)$ are the end points of a diameter, then the equation of the circle is	
11	Question Image	C. $x^2 + 2x + c$ D. $(x^2 + 2x - 1)^2 + c$
12	A statement which is either true or false is called	A. Induction B. Deduction C. Proposition D. Logic
13	$\forall x, y, z \in \mathbb{R}$ and $z \neq 0$, then	A. $x + y \Rightarrow xz + yz$ B. $x + y \Rightarrow xz + yz$ C. $x + y \Rightarrow xz + yz$ D. None of these
14	Period of Cotangent function is	A. π B. $-\pi$ C. 0 D. $-\pi$

15	Question Image	
16	The set $\{1, -1, 1, -1\}$, form a group under	A. Addition B. Multiplication C. Subtraction D. None
17	Question Image	
18	Two quadratic equation in which xy term is missing and the coefficients of x^2 and y^2 are equal, give a linear equation by _____	A. Addition B. Subtraction C. Multiplication D. Division
19	Question Image	
20	Question Image	A. 4 B. 6 C. 8 D. 10