

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	In set builder notation the set {0, 1, 2,, 100} can be written as	
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	C. 2x D. 2
3	Equation of normal to the circle $x^2 + y^2 = 25$ at $(5\cos\theta, 5\sin\theta)$	A. $x\cos\theta + y\sin\theta = 5$ B. $x\cos\theta - y\sin\theta = 0$ C. $x\sin\theta - y\cos\theta = 0$ D. None of these
4	$\cos 2\alpha =$	A. $\sin^2\alpha + \cos^2\alpha$ B. $-\cos^2\alpha$ C. $\tan^2\alpha$ D. None of these
5	$\cos(\cos 4\pi/3) =$	A. $\pi/2$ B. $\pi/3$ C. $2\pi/3$ D. $-\pi/3$
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
8	How many arrangements of the letters of the word PAKISTAN can be made	
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 2x B. $3x^2$ C. 1 D. 0
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
11	$\tan 30^\circ =$ _____	
12	The range of $y = x^2 + 1$ is the set of non-negative real numbers except	A. $0 \leq y < 1$ B. $0 \leq y \leq 1$ C. $0 \leq y < 1$ D. $0 \leq y \leq 1$
13	If 5, 7 and 9 are A.Ms between a and b, then a and b is equal to	A. 2 and 12 B. 1 and 10 C. 3 and 11 D. -7 and 2
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
15	The multiplicative inverse of x such that $x = 0$ is	A. -x B. does not exist C. 1/x D. 0
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
17	Question Image <input style="width: 500px; height: 20px;" type="text"/>	

18	Question Image	A. Polynomial of degree 0 B. Polynomial of degree 2 C. Quadratic equation D. None of these
19	π is the period of the function	A. $ \sin x + \sin x $ B. $\sin^4 x + \cos x$ C. $\sin(\sin x) + \sin(\cos x)$ D. None of these
20	Sum of two quantities is at least 20 is denoted by	A. $x + y = 20$ B. $x + y \geq 20$ C. $x + y \neq 20$ D. $x + y \leq 20$