

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The exact value of $\cos^{-1}(-1) + \cos^{-1}(1) =$	A. π B. $-\pi$ C. $\pi/2$ D. $\pi/3$
2	Question Image	
3	The difference of two consecutive terms of an A.P is called the	A. Common difference B. Common ratio C. Geometric series D. Geometric mean
4	$G = \{e, a, b, c\}$ is an Abelian group with e as identity element The order of the other elements are	A. 2,2,2 B. 3,3,3 C. 2,2,4 D. 2,3,4
5	The eccentricity of ellipse becomes zero, then it takes the form of:	A. a parabols B. a straight line C. a circle D. None of these
6	If $ a = b = a+b = 1$, then $ a-b $ is equal to:	A. 1 B. $\sqrt{3}$ C. $\sqrt{2}$ D. 7
7	If the cutting plane is parallel to the axis of the cone and intersects both of its nappes, then the curve of intersection is:	A. an ellipse B. a circle C. a parabols D. a hyperbola
8	If $f(x) = x^2$ then $f(0)$ is	A. 0 B. 1 C. 2 D. none of these
9	A polynomial $P(x)$ has a factor $(x-a)$ if $P(a) =$	A. a B. x C. 1 D. 0
10	The number of tangents to the circle $x^2 + y^2 - 8x - 6y + 9 = 0$ which pass through the point $(3, -2)$ is	A. 2 B. 1 C. 0 D. None of these
11	The solution set of trigonometric equation contains	A. one element B. two elements C. three elements D. Infinite elements
12	The set of points $\{(x,y) y = f(x), \forall x \in \}$ is called	A. Relation B. Graph of f C. Function D. All are correct

A. | and | quadrants

B. |

