

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. Polynomial of degree 0 B. Polynomial of degree 2 C. Quadratic equation D. None of these
2	$P \notin A$ means	A. P is subset of A B. P is an element of A C. P does not belongs to A D. A does not element of P
3	Question Image	A. 0 B. 1 C. 2 D. 1/2
4	The point R dividing internally the line joining the points $P(x_1, y_1)$ and $Q(x_2, y_2)$ in the ratio $K_1: K_2$ has the coordinates	
5	The symbol of irrational is	A. W B. N C. Q D. Q
6	If a cone is cut by a plane perpendicular to the axis of the cone, then the section is a	A. Parabola B. Circle C. Hyperbola D. Ellipse
7	The sum of an indicated number of terms in a sequence is called	A. sequence B. progression C. Series D. Mean
8	Question Image	A. $-\operatorname{cosec}^2 x$ B. $-\sec^2 x$ C. $-\operatorname{cosec} x \cot x$ D. $\operatorname{cosec} x$
9	$30^\circ =$ _____	
10	Question Image	
11	The period of the function $\csc x/4$ is	A. $4x$ B. $\pi/4$ C. 8π D. $\pi/8$
12	If a 1-1 correspondence can be established b/w two sets A and B, then they are called	A. Equal sets B. Equivalent sets C. Overlapping sets D. None of these
13	A line joining two distinct points on a parabola is called a _____ of the parabola.	A. Chord B. Tangent C. Latus rectum D. directrix
14	If a set S contains "n" elements then $P(S)$ has number of elements	A. 2^n B. 2^{2n} C. $2 \cdot n$ D. n^2
15	The three noncollinear points through which a circle passes are known, then we can find the:	A. Variables x and y B. Value of x and c C. three constants f, g and c D. inverse of the circle
16	The sum of 1, 3, 5, 7, 9, up to 20 terms is	A. 400 B. 472 C. 563 D. 264
17	Question Image	

18	The point (x_1, y_1) lies outside the circle $x^2 + y^2 + 2gx + 2fy + c = 0$ if	
19	The additive inverse of 0 is	A. 1 B. -1 C. 0 D. Does not exist
20	If 2 and 2 are x and y components of vector then its angle with x-axis is	A. 30° B. 45° C. 60° D. 90°