

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	A second degree equation in which coefficients of x^2 and y^2 are equal and there is no product term xy represents:	A. a parabola B. a circle C. an ellipse D. a pair of lines
2	Question Image	A. $x=0, y=4$ B. $x=-1, y=2$ C. $x=2, y=3$ D. $x=3, y=4$
3	Question Image	A. 120 B. 5 C. 4 D. 6
4	Question Image	
5	Which of the following sets is infinite	A. The set of students of your class B. The set of all schools in Pakistan C. The set of natural numbers between 3 and 10 D. The set of rational numbers between 3 and 10
6	What is the period of $6 \sin x$?	A. π B. $-\pi$ C. $\pi/2$ D. 2π
7	The set $\{Z \setminus \{0\}\}$ is group w.r.t	A. Addition B. Multiplication C. Division D. Subtraction
8	Question Image	A. -10 B. $10/7$ C. $-10/7$ D. $-7/10$
9	Question Image	D. all
10	The mid point of the line segment joining the points A(-8,3) and B(2,-1) is	A. (-3,1) B. (-6,2) C. (5,2) D. (-5,2)
11	$Q \cup Q' =$	A. Q B. Q' C. N D. R
12	Question Image	
13	Question Image	
14	Question Image	A. The law of sines B. The law of tangents C. The law of cosines D. None of these
15	Out of 40 consecutive natural numbers, two are chosen at random. Probability that the sum of the numbers is odd, is	A. $14/29$ B. $20/39$ C. $1/2$ D. n
16	The range of function $f(x) = -x^2 + 2x - 1$ is	A. R B. $(-\infty, 0]$ C. $(-\infty, 1]$ D. $[0, \infty)$
17	Question Image	A. $\sinh x$ B. $\cosh x$ C. $\sec h x$ D. $\operatorname{cosech} x$

18	Every real number is	A. a positive integer B. a rational number C. a negative integer D. a complex number
19	0 is a symbol of	A. singleton set B. Empty set C. Equivalent set D. Infinite set
20	probability of a certain event is	A. 0 B. -1 C. 1 D. ∞