Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The function $f\{(x, y) \mid y = ax^2 + bx + c\}$ is	A. One-one function B. Constant function C. Onto function D. Quadratic function
2	One degree is denoted by	A. 1^0 B. 1' C. 1" D. 1 rad
3	$i^2 =$	A. 1 B. 2 C. -1 D. 0
4	The parametric equation of a curve are $x = t^2$, $y = t^3$ then	
5	Question Image	A. a = -1/2, b = -1 B. a = 1, b = 2 C. a = 2, b = 3 D. None of above
6	Question Image	
7	The distance of the point (-2 , -3) from y-axis is	A. 2 B. -2 C. 3 D. -3
8	Name the property used in 4 x (5 x 8) = (4 x 5) x 8	A. Associative property of addition B. Associative property of multiplication C. Additive identity D. Multiplicative identity
9	Maximum value of $z = 15x + 20y$ subject to $3x + 4y \le 12, x, y \ge 0$ is given by	A. 46 B. 60 C. 50 D. 70
10	How many arrangements of the letter of the word PAKPATTAN can be made	
11	Domain of cosh x is	A. R B. R -{0} C. $[1, \infty)$ D. $[0, \infty)$
12	Question Image	
13	Question Image	
14	If the angle between two vectors $\underline{u}$ and $\underline{v}$ is 0 or π, then the vectors $\underline{u}$ and $\underline{v}$ are:	A. Orthogonal B. Collinear C. Perpendicular D. None of these
15	Name the property used in 1000 x 1 = 1000	A. additive inverse B. multiplicative inverse C. additive identity D. multiplicative identity
16	Question Image	
17	The symbol of irrational is	A. W B. N C. Q D. Q'
18	Question Image	
19	If the roots of $ax^2 + b = 0$ are real and distinct then	A. ab > 0 B. a = 0 C. ab < 0

| 20 | Question Image |