

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. $A = C$ B. $A = B$ C. $B = C$ D. None of these
2	A card is drawn from a pack of cards numbered 1 to 52, the probability that the number on the card is a perfect square is	A. $1/13$ B. $2/13$ C. $7/52$ D. None of these
3	The area of the rhombus whose vertices are $A(0,0), B(2,1), C(3,3), D(1,2)$ is	A. 36 square units B. 3 square units C. 6 square units D. 18 square units
4	Question Image	A. 30° B. 45° C. 60° D. 120°
5	Question Image	
6	The liner equation $ax + by = c$ is called _____ of the inequality $ax + by > c$.	A. Associated equation B. Non-associated equation C. disjoint equation D. Feasible equation
7	An equation which holds good for all values of variables is called	A. Equation B. Conditional equation C. Constant D. None
8	The set $\{a, b\}$ is	A. Infinite set B. Singleton set C. Two points set D. None
9	If $y=f(x)$ is a function then y is called	A. dependent variable B. independent variable C. constant D. none of these
10	Question Image	
11	Question Image	D. none of these
12	Question Image	A. $\sec x \tan x$ B. $-\operatorname{cosec} x \cot x$ C. $\sec^2 x$ D. $-\sin x$
13	The distance of the point (1.1) from the origin is	A. 0 B. 2
14	A box contains 10 red 30 white and 20 black marbles When a marble is drawn at random the probability that it is either red or white is	A. $1/6$ B. $1/3$ C. $1/2$ D. $2/3$
15	If $x = 1/x$ for $x \in \mathbb{R}$ then the value of x is	A. ± 1 B. 0 C. 2 D. 4
16	Question Image	A. Less then 1 B. Equal to 1 C. Greater than 1 but less then 2 D. Greater then or equal to 2
17	Question Image	
18	Te order of the differential equation of all conics whose axes coincide with the axes of co-ordinates is	A. 2 B. 3 C. 4

D. 1

19 Which of the following does not represent absolute value of a vector

- A. magnitude
- B. length
- C. norm
- D. number

20 The domain of the principle sine function is