

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	graph of sine function is bounded between lines	A. $y \pm 1 = 0$ B. $x \pm 1 = 0$ C. $x \pm y = 0$ D. None of these
2	Which of the vectors have opposite direction?	
3	{1, 2, 3} is _____	A. an infinite set B. A finite set C. A singleton set D. Universal set
4	Question Image	A. Symmetric B. Skew-symmetric C. Hermitian D. Skew hermitian
5	The set X is	A. Proper Subset of X B. Not A subset of X C. Improper Subset of X D. None of these
6	Question Image	
7	I is not	A. Real number B. Natural number C. Prime Number D. Whole Number
8	Question Image	A. $A = B$ B. $B = C$ C. $A = C$ D. None of these
9	Question Image	A. 16 / 7 B. 6 / 17 C. 7 / 16 D. None of these
10	An equation in which at least one term contains dy/dx , $d^2 y / dx^2$ etc, is called.	A. Differential equation B. Initial condition C. General solution D. Singular equation
11	The set {1,-1,i,-i}	A. Form a group w.r.t addition B. Form a group w.r.t multiplication C. Does not form a group w.r.t multiplication D. Not closed under multiplication
12	Intersection of two parabolas	A. parabola B. Two points C. Four points D. Hyperbola
13	The condition for polynomial equation $ax^2 + bx + c = 0$ to be quadratic is	
14	Question Image	
15	If n is positive integers, then $2^n > 2n + 1$, only when	A. $n \leq 3$ B. $n \geq 3$ C. $n \leq 2$ D. $n \leq 1$
16	Question Image	D. none of these
17	Which of the following statement is true?	A. A set is a collection of non-empty object B. A set is a collection of only numbers C. a set is any collection of things D. a set is well-defined collection of objects

18 e is a

- A. variable
- B. Positive constant
- C. Positive variable
- D. Directrix

19 The value of $\sin [\arccos (-1/2)]$ is

20 Question Image

- A. range of f
- B. domain of f
- C. both (a) and (b)
- D. none of these