Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. -1 B. 0 C. 1 D. undefined
3	Question Image	A. Associative property of addition B. Associative property of multiplication C. Commutative property of addition D. Commutative property of multiplication
4	Form a group of 5 men and 3 women, a committee of 4 persons is to be selected randomly. The probability that there is a majority of men is	A. 1/4 B. 1/3 C. 1/2 D. 1/6
5	The value of i^{4n+1}	A. 1 B. -1 C. i D. i²
6	Question Image	D. none of these
7	The first three terms in the expansion of $(1 + x)^{-2}$ are _____	A. 1 - 2x + 3x² B. 1 - 2x - 3x² C. 1 + 2x + 3x² D. -2 -2x + 3x²
8	For all points (x,y) in third quadrant	A. x > 0 , y < 0 B. x > 0 , y > 0 C. x < 0 , y < 0 D. x < 0 , y > 0
9	If a > b or a < b than a = b is a	A. Additive property B. Transitive property C. Trichotomy property of inequality
10	Question Image	A. a cosec(ax + b) + c B. - a cosec(ax + b) + c
11	Question Image	A. A,. B, C are coincident B. A, B, C are collinear C. Both A and B D. None of these
12	Question Image	A. 1 B. 1/2 C. 0 D. None
13	If x,y are two -ve distinct numbers then	A. A>G>H B. A<G<H C. A=G=H D. None of these
14	(x +a)(x +b)(x +c)(x +) = k, k≠0 is reducible to quadratic form only if	A. a+b=c+d B. a+c=b+d C. a+d=b+c D. All are correct
15	a _____quantity is one that possesses both magnitude and direction.	A. Scalar B. Vector C. Segment D. None of these
16	Question Image	
17	Question Image	
18	Question Image	

19	The roots of the equation $ax^2 + bx + x = 0$ are real and distinct if	A. b²- 4ac <0 B. b²- 4ac = 0 C. b²- 4ac > 0 D. None of these
20	Let A and B be two sets. If every element of A is also an element of B then	