Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	∀a,b ε R, ab = be is a	A. Commutative law of multiplication B. Closure law of multiplication C. Associative law of multiplication D. Multiplicative identity
2	The matrix A is Hermitian when (A)' =	A. A B. -A C. A D. A'
3	(2, 1) is in the solution of the inequality	A. 2x + y <u>></u> 7 B. x - y > 2 C. 3x + 5y < 6 D. 2x + y < 6
4	If a cone is cut by a plane perpendicular to the axis of the cone, then the section is a	A. Parabola B. Circle C. Hyperbola D. Ellipse
5	Every term of a G.P. is positive and also every term is the sum of two preceding terms. Then the common ratio of the G.P. is	
6	Question Image	A. -8 B. 8 C. 8i D. 32
7	Question Image	A. 15 B. 15 i C. -15 i D. -15
8	Point (2,0) lies on trigonometric function f(x)=_____;	A. sinx B. cosx C. tanx D. secx
9	The number of different ways of describing a set is	A. One B. Two C. Three D. Four
10	The last term of (1+2x)-2	A. (-1)-2 (2x)-2 B. (-1)-4(-2x)-2 C. (-1)-3(2x)-3 D. Does not exist
11	I is not	A. Real number B. Natural number C. Prime Number D. Whole Number
12	Question Image	
13	If $_{e}$> 1 , then the conic, is:	A. Ellipse B. Parabola C. Hyperbola D. None of these
14	Sine is a periodic function and its period is _____	A. π B. s C. 2π D.

		<span style= text-align: center; background-color: rgb(255, 255, 255);">4π
15	If in the expansion of $(1+x)^n$, co-efficients of 2nd, 3rd and 4th terms are in A.P., then x=	A. 4 B. 5 C. 6 D. 7
16	$(0.90)^{1/2}$is equal to	A. 0.99 B. 0.90 C. 0.80 D. 0.88
17	The period of 2 cos x is	A. 30π B. 7π C. 5π D. 2π
18	Question Image	C. 16 D. None of these
19	Question Image	
20	The degree of differential equation is the power of the	A. Lowest order derivative B. Highest order derivative C. Integral D. All are correct