Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Geometrically the modulus of a complex number represents its distance from the	A. Point (1,0) B. Point (0,1) C. Point (1,1) D. Point (0,0)
2	Question Image	
3	If A⊆ B, and B is a finite set, then	A. n (a) < n(B) B. n(B)<(A) C. n(A)≤ n (B) D. n(A)≥ n(B)
4	The middle term(s) of (a+x)11 is	A. 6th term B. 6thor 7th C. 7th term D. 6thand7th
5	The distance between two points $P(x_1, y_1)$ and $Q(x_2, y_2)$ is	
6	Question Image	
7	In R the right cancellation property w.r.t. addition is	
8	Question Image	
9	Question Image	A. 15/23 B. 7/15 C. 7/8 D. 15/7
10	If the focus lies on the y-axis with coordinates f(0,a) and directrix of the parabola is y = -a, the equation of parabola is:	A. $y^2 = -4ax$ B. $x^2 = 4ay$ C. $x^2 = -4ay$ D. $y^2 = 4ax$
11	The set X is	A. Proper Subset of X B. Not A subset of X C. Improper Subset of X D. None of these
12	3/4 is _____	A. An odd number B. An even number C. A natural number D. A rational number
13	The length of perpendicular from (3,1) to 4x +3y +20 =0 is	A. 6 B. 7 C. 3 D. 8
14	ax + by < c is linear inequality in	A. four variables B. three variables C. two variables D. one variable
15	xy= 2 is:	A. a constant function B. an identity function C. an improper function D. implicit function
16	Question Image	
17	The number of terms in the expansion of $(a + b)^9$ is	A. 10 B. 11 C. 9 D. 12
18	Question Image	A. sin h x B. cos h x C. sec h x D. cosec h x
		A. Non-singular

19	If A is a non-singular matrix then adj A is	B. Symmetric
		C. Singular
		D. Non defined
20	Question Image	A. 1
		B. 2
		C. 3