Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The set of points $\{(x,y)\|y = f(x), \forall x \in \}$ is called	A. Relation B. Graph of f C. Function D. All are correct
2	When a selection of object is made without paying regard to the order of selection, it is called	A. Sequence B. Series C. Combination D. Permutation
3	A die is rolled. What is the probability that the dots on the top are greater than 4?	A. 1/4 B. 1/2 C. 1/3 D. 1/33
4	6 is	A. A prime integar B. An irrational number C. A rational number D. An odd integer
5	If $a^x = b^y = c^z$ and a, b, c are in G.P. then x, y, z are in	A. A.P. B. G.P. C. H.P. D. None of these
6	Question Image	
7	The equation $x2 + y2 - 8x + 6y + 25 = 0$ represents	A. A circle B. A pair of straight lines C. A point D. None of these
8	Question Image	A. Scalar matrix B. Identity matrix C. Null matrix D. Symmetric matrix
9	Question Image	A. The law of consines B. The law of sines C. The law of tangents D. None of these
10	Question Image	
11	Question Image	A. c = 0 B. c = -1 C. c = -2 D. c = 1
12	If P is a whole number greater than 1, which has only P and I are factors. Then P is called	A. Wholw number B. Prime number C. Even number D. Odd number
13	If $Z_1 = 1 + i$, $Z_2 = 2 + 3i$, then $\|Z_1 - Z_2\| = ?$	A. $\sqrt{5}$ B. $\sqrt{7}$ C. -1-2i D. $\sqrt{3}$
14	Question Image	
15	Question Image	
16	If A(a,b) lies on 3x +2y =13 and point B(b,a) lies on x-y =5 then equation of AB is	A. x- y= 5 B. x+ y+ =5 C. x+ y= -5 D. 5x +5y =21
17	The coefficient of x^{10} in the expansion $(x^3 + 3/x^2)^{10}$ is	A. 1700 B. 17023 C. 17027 D. 17010
18	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

19	An open sentences formed by using the sign of equality '=' is called _____	A. An identity B. An equation C. A polynomial D. None of these
20	The tangent to the parabola y2 =4ax and perpendicular line from the focus on it meet	A. x =0 B. y =0 C. x =-9 D. y = -a