

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The Domain of y = sin x is	A. Set of real numbers B. Rational C. Irrational no. D. None of above
2	The equation of the directrix of the parabola x^2 = 4ay is	A. x + a = 0 B. x - a = 0 C. y + a = 0 D. y - a = 0
3	1 degree =	A. 0.00175 rad B. 0.175 rad C. 0.0175 rad D. 1.75 rad
4	Question Image	A. Associate law of addition B. Commutative law of addition C. Additive identity D. Closure law of addition
5	The transport of a rectangular matrix is a	A. Square matrix B. Rectangular matrix C. Row matrix D. Column matrix
6	The identity elements with respect to subtraction is	A. 0 B. 1 C1 D. Does not exist
7	Which of the following has the same value as i113	A. i B1 Ci D. 1
8	cos 315° =	
9	Z is the set of integers (Z.*) is a group with a * b = a +b +1, a,b \in G.then inverse of a is	Aa B. a +1 C1-a D. None of these
10	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)
11	If two balls are drawn from a bag containing 3 white, 4 black and 5 red balls. Then the probability that the drawn balls are of different colours is	A. 1/66 B. 3/66 C. 19/66 D. 47/66
12	The period of 2 cos x is	A. 30π B. 7π C. 5π D. 2π
13	Question Image	
14	Question Image	
15	If z_1 = 2 + 6i and z_2 = 3 + 7i, then which expression defines the product of z_1 and z_2 ?	A. 36 + (-32)i B36 + 32i C. 6 + (-11)1 D. 0, +(-12)i
16	If $f(x) = x^3 - 2x^2 + 4x - 1$ then $f(0)$ is	A. 0 B. 1 C1 D. none of these
17	[i,j,k]	A. 0 B. 2 C. 1

		D2	
18	Question Image	A. Imaginary B. Rational C. Irrational D. Real numbers	
19	Question Image		
20	A relation in which the equality is true for all values of the unknown is called	A. An identity B. An equation C. A polynomial D. None of these	