Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Which of the following is the subset of all sets?	
2	Which is an explicit function	A. y = x²+ 2x - 1 B. x²+ xy + y²= 2 C. x²+ y²= xy + 2 D. All are
3	The set {1,2,3,4.....} is called	A. Set of natural numbers B. Set of whole numbers C. Set of rational number D. Set of irrational numbers
4	Question Image	A. n(A) B. n(B) C. 0 D. 1
5	The sum of infinite numbers of terms of an arithmetic series is	A. Finite B. Infinite C. May or may not finite D. None of these
6	Three consecutive terms of a progression are 30, 24, 20. The next terms of the progression is	
7	0! = _____	A. 0 B. 1 C. 2 D. Not defined
8	Question Image	A. 0.9 B. 0.74 C. 0.2016 D. None of these
9	For any two sets A and, A ⊆ B if	A. x ∈ A ⇒ x ∈ B B. x ∉ A ⇒ x ∉ B C. x ∈ A ⇒ x ∉ B D. None of these
10	sin (α -β)=	A. sinα cosβ- cosαsinβ B. sinα cosβ+ cosαsinβ C. sinα cosα- cos

		center; ">βsinβ D. sinαcosα- cosβsinβ
11	Inequalities have _____ symbol	A. 2 B. 3 C. 4 D. 1
12	The solution set of sin x + cos x = 0 is	
13	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 B. -36 + 32i C. 6 + (-11)1 D. 0, +(-12)i
14	Question Image	A. 0 B. 1
15	Question Image	
16	Question Image	A. n < 8/5 B. n < 5/8 C. |n| < 8/5 D. |n|>8/5
17	Question Image	A. Symmetric B. Skew-symmetric C. Hermitian D. Skew hermitian
18	Multiplicative inverse of "1" is	A. 0 B. -1 C. 1 D. {0, 1}
19	A fraction in which the degree of the numerator is greater than or equal to the degree of the denominator is called	A. A proper fraction B. An improper fraction C. An equation D. An identity
20	The tangents drawn from the point P to a circle are real and distinct if	A. P is on the circle B. P is inside the circle C. P is outside the circle D. none of these