Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The solution of the quadratic equation x2 -7x + 10=0, is	A. 2 B. 5 C. 2,5 D. 7
2	Period of cosec x is _____	
3	An infinite sequence has no	A. nth term B. Last term C. Sum D. None of these
4	What is the value of cos-1(1/2)?	A. π/3 B. π/4 C. 3π/2 D. π/6
5	Question Image	A. 16 B. 256 C. 64 D. 1024
6	The coordinates of the point that divides the join of A(-6,3) and B(5, -2) in the ratio 2:3 externally are	
7	If the lower limit of an integral is a constant and the upper limit is a variable, then the integral is a	A. Constant function B. Variable value C. Function of upper limit D. All
8	Question Image	
9	Question Image	
10	The principal value of sin-1√(3/2) is	A. -π/3 B. π/3 C. 2π/3 D. π/2
11	Cos (α+β) - cos (α-β) =	A. -2 sinα sinβ B. 2 sinα cosβ C. -2 sinα cosα D. 4 sinα cosβ
12	If b^2- 4ac = 0 then the roots of the equation are	A. Real and distinct B. Real and equal C. Imaginary D. None of these

13	Question Image	
14	The number of x-intercepts of y= sin x in his period	A. 0 B. 1 C. 2 D. 3
15	Question Image	A. 100x ⁹⁹ B. 100x ¹⁰¹ C. -99x ⁹⁹ D. -100x ¹⁰¹
16	Roots of the equation $x^2 + 2x + 3 = 0$ are	A. Real and equal B. Real and distinct C. Complex D. None of these
17	Question Image	
18	The vertices of the ellipse $x^2 + 4y^2 = 16$ are	
19	If n(A) = n then n(P(A)) is	A. 2n B. n² C. n/2 D. 2ⁿ
20	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	