Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. 1, 1/2, 0 B. 1, 2, 1 C. 1, 2, 3 D. 1, 2, 0
2	Question Image	A. y + 1 = Ae^x B. y + 1 = Axe^x C. xe^x= C D. y + xe^x= C
3	Circumcentre of the triangle, whose vertices are (0, 0), (6, 0) and (0, 4) is	A. (2, 0) B. (3, 0) C. (0, 3) D. (3, 2)
4	Question Image	A. Conclusion B. Implication C. Antecedent D. Hypothesis
5	(A∩Bc)c= ----------	A. Ac∪Bc B. Ac∪B C. Ac∩B D. None of these
6	The equation (cos p - 1)x^2+ x (cos p) + sin p = 0 in the variable x, has real roots, then p can take any value in the interval	A. (0, 2π) B. (-π , -0) C. (0,π) D. None of these
7	The matrix A = [aij]mxn with m ≠n is always	A. Symmetric B. Hermition C. Skew-symmetric D. None
8	Period of tan 4x is _____	
9	3x + 4 < 0 is	A. inequality B. equation C. identity D. not inequality
10	How many types of an equation	A. 1 B. 3 C. 2 D. None
11	Question Image	A. - cos x B. sin x C. - sin x D. sec x
12	The next term of the sequence 1, 2, 4, 7, 11, ... is.	A. 15 B. 16 C. 17 D. 18
13	Question Image	
		A. π/2

14	What is the period of cos 6x =?	B. π/3 C. π/4 D. π
15	Question Image	
16	Question Image	A. Improper rational fraction B. Proper rational fraction C. Polynomial D. Equation
17	Question Image	
18	cot(3π/2 -θ)=_____;	A. tanθ B. cotθ C. -tanθ D. -cotθ
19	The sum of all 2 digit number is	A. 4750 B. 3776 C. 4895 D. 4905
20	Question Image	A. Orthogonal B. Involutary C. Idempotent D. Nilpotent