Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	For trival solution |A| is	A. A B. |A| = 0 C. A = 0 D. |A|≠ 0
2	The are of the circle centred at (1 , 2) and passing through (4 , 6) is:	A. 10π B. 25π C. 5π D. 25/2π
3	The period of 3 sin x is	A. 2π B. 9π C. 3π D. 5π
4	Question Image	A. 0 B. -1 C. 1 D. 1/2
5	Question Image	
6	Question Image	
7	Period of Tangent function is	A. 0° B. -π C. π D. 2π
8	If one end of the diameter of the circle $2x^2 + 2y^2 -8x - 4y = 2 = 0$ is (2 ,3), the other end is:	A. (2,1) B. (-2,1) C. (2,-1) D. (1,-1)
9	The tangents drawn from the point P to a circle are real and coincident if	A. P is on the circle B. P is inside the circle C. P is outside the circle D. none of these
10	If a_1, r are first term and the common ratio respectively then the sum of an infinite geometric series is	
11	Question Image	
12	If a > 0,b > 0, c > 0 then the roots of the equation ax2+ bx + c =0 are	A. Real and negative B. Non-real with negative real parts C. Real and positive D. Nothing can be said
13	Question Image	A. (a - c)²= b²- c² B. (a - c)²= b²+ c² C. (a + c)²= b²- c² D. (a + c)²= b²+ c²
14	Question Image	D. None of these

15	Question Image	A. Polynomial of degree 0 B. Polynomial of degree 1 C. Polynomial of degree 2 D. Polynomial of degree n
16	Question Image	B. 0 C. 1 D. undefined
17	If E = { } , then P(E)	A. ∅ B. { } C. {(2),(4),(6)....} D. (∅)
18	*P∉A means*	A. Pis subset of A B. Pis an element of A C. P does not belongs to A D. A does not element of P
19	Question Image	A. 3/8 B. 7/8 C. 1/8 D. None
20	Question Image	