

Mathematics General Science Test Medium Mode

C-	Overtines	Anguaga Chaiga
Sr	Questions	Answers Choice
1	Period of tan 4x is	
2	Question Image	
3	In how many ways can 5 persons be seated at a round table	A. 5! B. 4! C. 3! D. 120
4	The differential equations of all conis whose axes coincide with the co-ordinate axis is	
5	If A and B are two matrices such that AB = B and BA = A then A2 + B2 =	A. 2 AB B. 2 BA C. A + B D. AB
6	If 0 = {1,3,5}, then n (0) =	A. Infinite B. Even numbers C. odd integers D. 99
7	If $f(x) = \tan x$ then $f(0)$ is	A. 0 B. 1 C. 1/2
		A. Zero matrix
8	Question Image	B. Diagonal matrix C. Column matrix D. Scalar matrix
9	tan(2π+θ) =;	A. tanθ Btanθ C. cotθ Dcotθ
10	Question Image	
11	Question Image	
12	If d_1 is the distance between (0,0) and (1,2) and d_2 is the distance between (0,0) and (2,1) then	A. d ₁ = d ₂ B. d ₁ <d ₂ C. d _{1>} d ₂ D. none of these
13	Question Image	
14	The set of the first elements of the ordered pairs forming a relation is called its	A. Function on B B. Range C. Domain D. A into B
15	If $a > 0$, $b > 0$, $c > 0$, then the roots of the equation $ax^2 + bx + c = 0$ are	A. Real and negative B. Non-real with negative real parts C. Real and positive D. Nothing can be said
16	$\{x: x \in Z \text{ and } x < 1\}$ is	A. Singleton set B. A set with two points C. Empty set D. None of these
17	If the sum of co-efficient in the expansion of $(a+b)^{n}$ is 4096, then the greatest co-efficient in the expansion is	A. 1594 B. 792 C. 924 D. 2924
18	A diagonal matrix in which the diagonal elements are equal is called a	A. Null matrix B. Identity matrix C. Scalar matrix D. Row matrix
19	Roots of the equation $x^2 + 2x + 3 = 0$ are	A. Real and equal B. Real and distinct C. Complex

20 Range of $\csc heta$ is	A. W - {y -1 < y < 1} B. R - {y -1 < y < 1} C. O - {y -1 < y < 1} D. R