

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	Question Image	A. 1 / 2 B. 1 / 3 C. 1 / 4 D. None of these
4	Question Image	
5	The distance between the points (2, 2) and (3, 3) is	A. 10 C. 5 D. 2
6	Range of $\tan \theta$ is	A. Set of complex numbers B. Set of real numbers C. Set of odd numbers D. Set of positive integers only
7	Question Image	
8	$\{0\}$ is a	A. Empty set B. Singleton set C. Zero set D. Null Set
9	The point lying on the terminal rat of $-270^\circ$ is	A. (1,0) B. (0,-1) C. (0,1) D. (-1,0)
10	Question Image	
11	Roots of the equation $x^2 - x = 2$ are	A. {2, -1} B. {1, 0} C. {2, 1} D. {-2, 1}
12	the curve of the parabola $y^2 = -4ax$ is symmetric with respect to	A. x -axis B. y - axis C. Botha x and y- axis D. None of thes
13	The 31 term of the A.P 5,2,-1.....is	A. -82 B. 82 C. 85 D. -85
14	Question Image	A. 16 B. 256 C. 64 D. 1024
15	If the matrices A and B have the order 1 x 10 and 10 x 1 then order of AB is	A. 1 x 1 B. 1 x 10 C. 10 x 10 D. 10 x 1
16	Derivative of strictly increasing function is always	A. Zero B. Positive C. Negative D. Both (A) and (B)
17	Question Image	
18	Question Image	
19	If $f(x) =  x $ , then (0,0) is the	A. Critical point B. Inflection point C. Stationary point D. None of these

If  $A$  is a skew-symmetric matrix of order  $n$  and  $P$ , any square matrix of order  $n$ . prove that  $P'AP$  is

- A. Skew-symmetric
- B. Symmetric
- C. Null
- D. Diagonal