

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	The range of $y=x^2 + 1$ is the set of non-negative real numbers except	A. $0 \leq y < 1$ B. $0 < y \leq 1$ C. $0 \leq y \leq 1$ D. $0 < y \leq 1$
3	The coefficient of the second term of $(a+b)^4$ is	A. 1 B. 9 C. 3 D. 5
4	Question Image	
5	The probability that a slip of numbers divisible by 4 is picked from the slips of number 1,2,3,4,.....10 is	A. 1/5 B. 2/5 C. 1/10 D. 3/10
6	$\tan \theta/2$	
7	Question Image	
8	Question Image	A. Square matrix B. Row matrix C. Symmetric matrix D. Null matrix
9	Question Image	D. none of these
10	Question Image	
11	The sum if 1,3,5,7,9..... up to 20 terms is	A. 400 B. 472 C. 563 D. 264
12	The solution of the equation $\cos^2 \theta + \sin \theta + 1 = 0$ lies in the interval	
13	Question Image	
14	Question Image	
15	A sequence whose reciprocal is an A.P is called	A. Oscillator B. H.P C. G.P D. None of these
16	If the cutting plane is slightly tilted and cuts only one nappe of the cone, the resulting section is:	A. an ellipse B. Circle C. a hyperbola D. a parabola
17	Question Image	A. -1 B. 0 C. 1 D. None of these
18	Question Image	A. Commutative law of multiplication B. Closure law of multiplication C. Associative law of multiplication D. Multiplication identity
19	If we have a statement "if p then q" then q is called	A. Conclusion B. Implication C. Unknown D. Hypothesis
20	PQ is a post of given height a, and AB is a tower at some distance; $\alpha$ and $\beta$ are the angles of elevation of B, the top of the tower, at P and Q respectively. The height of the tower and its distance from the post are	

