

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Domain of $\cos x$ is _____	
2	The line through the centre and perpendicular to the transverse axis is called the	A. Major axis B. Minor axis C. Focal axis D. Conjugate axis
3	The complement of set A relative to universal set U is the set	
4	The roots of the equations will be equal if $b^2 - 4ac$ is	A. Positive B. Negative C. 1 D. Zero
5	Question Image <input style="width: 100%;" type="text"/>	A. 56 B. 7 C. 8 D. 8/7
6	Question Image <input style="width: 100%;" type="text"/>	D. none of these
7	Question Image <input style="width: 100%;" type="text"/>	
8	The position vector of the point P(a, b, c) is	
9	Given X,Y are any two sets such that number of elements in set X = 28, number of elements in set Y = 28, and number of elements in set $X \cup Y = 54$ , then number of elements in set $X \cap Y =$	A. 4 B. 3 C. 2 D. 1
10	Question Image <input style="width: 100%;" type="text"/>	
11	If $2x + y + \lambda = 0$ is normal to parabola $y^2 = -8x, \lambda =$ _____	A. 12 B. 8 C. 24 D. -24
12	In one hour the minute hand of a clock turns through	
13	Multiplicative inverse of 0 is	A. 0 B. 1 C. $\pm 1$ D. Does not exist
14	The triangle that does not have a right angle is called.	A. Isosceles triangle B. right angle triangle C. equivalent triangle D. oblique triangle
15	$w^{29} =$ _____	A. 0 B. 1 C. w D. $w^{29}$
16	$(51)^4$ is equal to	A. 7065201 B. 8065201 C. 6765201 D. 6565201
17	Question Image <input style="width: 100%;" type="text"/>	
18	Question Image <input style="width: 100%;" type="text"/>	A. 5 B. 25 D. 3
19	$f(x) = 2^x + 3 \cdot 2^{2x} + 5$ is	A. trigonometric function B. algebraic function C. exponential function D. logarithmic function
20	$\cos^{-1} \frac{12}{13} =$	A. $\tan^{-1} \frac{3}{5}$ B. $\cot^{-1} \frac{13}{12}$ C. $\sec^{-1} \frac{13}{12}$ D. $\csc^{-1} \frac{13}{12}$

