

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Addition B. Subtraction C. Multiplication D. None of these
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. 1
3	Range of $\sec\theta$ is	A. $Z - \{x \mid -1 \leq x \leq 1\}$ B. $W - \{x \mid -1 \leq x \leq 1\}$ C. $R - \{x \mid -1 \leq x \leq 1\}$ D. R
4	$f(x) = 3x^4 - 2x^2 + 7$ is:	A. an even function B. an odd function C. an even and implicit function D. neither even nor a odd
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 4 B. 6 C. 8 D. 10
6	The point on $y^2 = 4ax$ nearest to the focus has its abciassae equal to	A. -a B. a C. a/2 D. 0
7	The coefficient of $x^{10}$ in the expansion $(x^3 + 3/x^2)^{10}$ is	A. 1700 B. 17023 C. 17027 D. 17010
8	Let A,B and C be any sets such that $A \cup B = A \cup C$ and $A \cap B = A \cap C$ then	A. $A = B$ B. $B = C$ C. $A \neq C$ D. $A \neq B$
9	The fixed point from which all the points of a circle are equidistant is called the	A. chord of the circle B. centre of the circle C. diameter of the circle D. radius of the circle
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Principle of equality of fractions B. Rule for product of fraction C. Rule for quotient of fraction D. Golden rule of fractions
11	$P \notin A$ means	A. $P$ is subset of A B. $P$ is an element of A C. $P$ does not belongs to A D. A does not element of $P$
12	The mid point of the line segment joining the points (3,-1) and (-3,1) is	A. (3,-1) B. (0,0) C. (2,2) D. (4,4)
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
14	The square matrix A is skew Hermitian when $(A)^t =$	A. A B. $A'$ C. $-A$ D. A
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 5 B. 15 C. 10 D. 20
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
17	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 3 B. 6

17		C. 0 D. None of these
18		
19		A. $1/x$ B. $-x$ C. $2x$ D. $0.5x$
20	Tan $30^\circ =$ _____	