

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Roots of the equation $2x^2 - 7x + 3 = 0$ are	A. Rational B. Irrational C. Complex D. None of these
2	Which of the following is the subset of all sets	A. $\Phi$ B. $\{1,2,3\}$ C. $\{\Phi\}$ D. $\{0\}$
3	It is not possible to find the exact value of	A. $\pi$ B. $\sqrt{9}$ C. $\sqrt[3]{27}$ D. $\sqrt{1}$
4	The cube roots of 8 are	
5	The process of finding the unknown elements in triangle is called the	A. solution of the triangle B. Mean difference C. Engineering distance D. angle of depression
6	The distance of the point (a,b) from y-axis is	A. a B. b C. a + b
7	Geometrically, the modulus of a complex number represents its distance from the	A. Point (1, 0) B. Point (0, 1) C. Point (1, 1) D. Point (0, 0)
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
9	$nC_{n-r}$ is equal to	A. $n!$ B. $n-1Cr$ C. $nCr$ D. None of these
10	The magnitude of vector $2i-7j$ is	A. $\sqrt{23}$ B. $\sqrt{43}$ C. 3 D. $\sqrt{53}$
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	D. None of these
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
14	For trival solution  A  is	A. A B.  A  is non zero C. A = 0 D. None of these
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
16	The differential equation representing the family of curves $y = A \cos(x + B)$ , where A, B are parameters, is	
17	If $a + b + c = 0$ then which of the following is true	A. $a = b = c = 0$ B. $a, b = b, c = c, a$ C. $a \times b = b \times c = c \times a$ D. None
18	The roots of $(b-c)x^2 + (c-a)x + a-b = 0$ are equal if	A. $2b = a+c$ B. $2a = b+c$ C. $2c = a+b$ D. $a + b + c = 0$
19	A square matrix $A = [a_{ij}]$ is lower triangular matrix when:	A. $a_{ij} = 0$ for all $i < j$ B. $b_{ij} = 0$ C. $c_{ij} = 0$ D. $d_{ij} = 0$

