

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	A function whose range is just one elements is called	A. One-one function B. Constant function C. Onto function D. Identity function
2	Which of the following is a quadrantal angle	A. $100^\circ$ B. $200^\circ$ C. $170^\circ$ D. $270^\circ$
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. A.P. B. G.P. C. H.P. D. None of these
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	C. $\ln f(x) + c$ D. $f(x) - c$
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
7	The complement of set A relative to universal set U is the set	
8	How many necklaces can be made from 6 beads of different colours?	A. 120 B. 60 C. 24 D. 15
9	For each even natural number n $(n^2-1)$ is divisible by	A. 6 B. 3 C. 4 D. 8
10	There are 25 tickets bearing number from 1 to 25. One ticket is drawn at random. The probability that the number on it is a multiple of 5 or 6 is	A. $7/25$ B. $9/25$ C. $11/25$ D. None of these
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	D. both a & c
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
14	In R the number of identity elements w.r.t. '!' is	A. One B. Two C. Three D. Four
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
16	A coin is tossed. If head comes up, a die is thrown but if tail comes up, the coin is tossed again. The probability of obtaining a head and an even number is	A. $1/8$ B. $2/8$ C. $3/8$ D. None of these
17	Empty set is	A. Not subset of every set B. Finite set C. Infinite set D. Not the member of real numbers
18	A conjunction of two statement p and q is true only if	A. p is true B. q is true C. Both p and q are true D. both p and q are false
19	The equation of motion of a stone thrown vertically up wards is $s = ut - 4.9t^2$ the maximum height attained by it =	
20	The minimum value of the quadratic function $f(x) = x^2 + 6x - 2$ , is	A. 11 B. 6 C. -11

