

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Z is a group under	A. Subtraction B. Multiplication C. Addition D. None of these
3	Question Image	
4	An indicated sum of terms of a sequence is represented by	A. $S_n$ B. $a_n$ C. $S(n)$ D. $\{S_n\}$
5	If the domain of the function $f: x \mapsto 2x^3 + 1$ is $\{-1, 2, 3\}$ , the range of the function is	A. $\{3, 2, 5\}$ B. $\{1, 3, 9\}$ C. $\{-1, -2, -3\}$ D. $\{3, 9, 19\}$
6	In polar form of complex number $r =$	
7	Question Image	A. -3 B. -7 C. 1 D. 0
8	Question Image	
9	If a force $F = 2i + j + 3k$ acts at point $(1, -2, 2)$ of a body then the moment of $F$ about a pint lying on the line of action of the force is	A. 5 B. Equal to the moment of the force about origin C. 0 D. Cannot be found
10	The additive identity of real number is	A. 1 B. 2 C. $1/2$ D. $<b>0</b>$
11	Question Image	A. A rational number B. A irrational number C. An even integer D. A factor of 36
12	Two sets A and B are said to be disjoint if	
13	Question Image	
14	Question Image	
15	Inequalities have _____ symbol	A. 2 B. 3 C. 4 D. 1
16	Question Image	A. 0 B. -2 C. 1 D. 4
17	Which of the following is not a unit vector	A. $[1, 1, 1]$ B. $[0, 1, 0]$ C. $[0, 0, 1]$ D. $[1, 0, 0]$
18	Question Image	A. -1 B. 0 C. 1 D. None of these
19	Question Image	D. none of these
		A. General term

The difference of two consecutive terms of an A.P. is called \_\_\_\_\_

- B. Common ratio
  - C. Common difference
  - D. None of these
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