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	$i^{101} =$	A. i B. i^2 C. -i D. -1
3	Question Image	
4	Question Image	A. G.P B. H.P. C. A.P. D. No particular sequence
5	Question Image	A. No solution B. One real solution C. More than one real solution D. None of these
6	If $f(x) = x^2$ then $f(2)$ is	A. -2 B. 2 C. 4 D. -4
7	Question Image	A. 0 B. 1 D. -1
8	The 6th term of the sequence 7,9,12,16......is	A. 27 B. 32 C. 20 D. 19
9	Question Image	A. The law of of sines B. The law of tangents C. The law of consines D. None of these
10	Which is not included in the domain of $\cos^{-1}x$	A. 0 B. 1 C. -1 D. 2
11	Question Image	A. $-2x^3$ B. $2x^{-3}$ C. $-2x^{-3}$ D. $2x^3$
12	If $x+y+z+......+2n = 2n+1-1 \forall n \in W$,then cube root of xyz is equal to	A. 1 B. 4 C. 2 D. 8
13	Question Image	
14	If one root of the equation $ix^2- 2(i + 1) x +(2 - i) = 0$ is 2 - i, then the other root is	A. -i B. 2 + i C. i D. 2 - i
15	Question Image	
16	Question Image	
17	Question Image	
18	If uv= Projuv then	A. Uandvare parallel B. vis a unit vector C. Uis a unit vector D. Both b and c

19	(7, 9) + (3, -5) =	A. (4, 4) B. (10, 4) C. (9, -5) D. (7, 3)
20	The period of $|\sin 2x|$ is	A. $\pi/2$ B. $-\pi/2$ C. π D. $\pi/3$