Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	22.5°=_____	
2	$i^3 =$	A. -1 B. i C. -i D. 1
3	Multiplicative inverse of "1" is	A. +- 1 B. 0 C. 1 D. None of these
4	Question Image	
5	Question Image	
6	Sum of all the four forth roots of unity is	A. 1 B. -1 C. i D. 0
7	Derivative of a w.r.t x is	A. 0 B. 1 C. x D. x
8	Question Image	A. n(A) B. n(B) C. 0 D. 1
9	Range of $\tan\theta$ is	A. Set of complex numbers B. Set of real numbers C. Set of odd numbers D. Set of positive integers only
10	$(0.90)^{1/2}$ is equal to	A. 0.99 B. 0.90 C. 0.80 D. 0.88
11	Which of the following is a scalar	A. weight B. force C. speed D. momentum
12	What is the conjugate of -7 -2i ?	A. -7 + 2i B. 7 +2i C. 7 -2i D. √53
13	Question Image	
14	$\forall x,y \in$ R and x < 0, y < 0, which one is true	A. xy < o B. xy = o C. xy > o D. None of these
15	Apollonius was a:	A. Rocket B. Muslims scientist C. Greek mathematicians D. Method of finding conics
16	The point of contact of the circles $x^2 + y^2 - 6x -6y+10 = 0$ and $x^2 + y^2 =2$ is	A. (-3 ,2) B. (1 , 3) C. (-2 , -1) D. None of these
17	Question Image	
18	The physical quantity which possesses both magnitude and direction is called a	A. scalar B. vector C. constant D. none of these

| 19 | Question Image | A. 1 / 2
B. 1 / 3
C. 1 / 4
D. None of these |
| 20 | If T = {2,4,6,8,10,12}, then | A. T = (First six natural numbers)
B. T = (First six odd numbers)
C. T = (First six real numbers)
D. T = (First six even numbers) |