Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The set of whole numbers is subset of	A. The set on integers B. The set of natural numbers C. {1, 3, 5, 7, ...} D. The set of prime numbers
2	Question Image	
3	$x = \sin^{-1} 3$, then the value of sin x is	A. $\sqrt{(3/2)}$ B. 3 C. Not possible D. -1
4	General solution of $\tan 5\theta = \cot 2\theta$ is	
5	Question Image	
6	$\tan(2\pi+\theta) = $ _____;	A. $\tan\theta$ B. $-\tan\theta$ C. $\cot\theta$ D. $-\cot\theta$
7	Question Image	
8	The formula $a_n = a +(n-1)d$ for an A.P is called	A. nth term of an A.P B. Sum of first n terms C. A,M between a and b D. None of the above
9	If a, b, c are in AP., a, b, c are in G.P. then A, m^2b, c are in	A. A.P. B. G.P. C. H.P. D. None of these
10	The equation $x^2+ y^2= 0$ represents	A. A circle B. A degenerate circle C. An empty set D. A st. line
11	Question Image	A. Principle of equality of fractions B. Rule for product of fractions C. Golden rule for fractions D. Rule for quotient of fractions
12	The lines l_1 and l_2 intersect. The shortest distance between them is	A. Positive B. Negative C. Zero D. Infinity
13	The value of x and y when $(x + iy)2 = 5 - 4i$	A. x = 2, y = -1 B. x = -2, y = 1 C. x = 2, y = -i D. x = 2, y = 2
14	Which of the following is a scalar.	A. force B. frequency C. weight D. acceleration
15	Question Image	
16	The sum of the roots of the equation $x^2 -6x +2 = 0$ is	A. -6 B. 2 C. -2 D. 6
17	Question Image	A. I B. |A| C. |A| I D. None of these
18	A quadratic equation in x is an equation that can be witten in the form	A. $ax^2 + b = 0$ B. $ax^3 +b^2+c=0$

			C. $ax^2+bx+c=0$
			D. $ax^3+bx^3+cx=0$
19	The inclination of a line parallel to y-axis is		
20	The point where the axis meets the parabola is called		A. Directrix
			B. Foucu
			C. Chord
			D. Vertix