Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	$w^{15} = $ _____	A. 0 B. 1 C. w D. w^2
2	A conditional "if p then q" is denoted by	
3	Question Image	
4	If 6th term of a series in A.P, is -2 and 8th term is -8, the first term of the serie is	A. 13 B. -13 C. 18 D. -10
5	Question Image	A. cos 2x + c B. - cos 2x + c C. tan 2x + c D. cot 2x + c
6	Question Image	
7	$n!/(n-1)! = $	A. n B. n! C. (n-1)! D. 0!
8	What is the period of 5 cot x=?	A. π B. $-\pi$ C. $\pi/2$ D. 2π
9	The solution set of the equation |3x + 2| = 5 is	
10	If Z = (1,2), then $Z^{-1} = $?	A. (0.2, 0.4) B. (-0.2 ,0.4) C. (0.2,-0.4) D. (-0.2,-0.4)
11	The system of measurement in which the angle is measured in degrees, minutes and seconds is called the	A. circular system B. CGS system C. sexagesimal system D. none of these
12	Question Image	A. π/ 4 B. π/ 6 C. π/ 3 D. 2π/ 3
13	A polynomial of arbitrary degree	A. f(x) = o B. f(x) = x C. f(x) = a D. f(x) = ax + b,a ≠ 0
14	Question Image	

15	If A is a non-singular matrix then adj A is	A. Non-singular B. Symmetric C. Singular D. Non defined
16	The graph of the linear equation of the form ax =by = c is a line which divided the plane into:	A. Two similar regions B. Two disjoint regions C. Four equal parts D. One region
17	If ΔABC is right triangle then the law of Cosines reduces to	A. The Pythagoras Theorem B. The law of Sines C. The law of cosines D. The law of tangents
18	π is the ration of	A. Area of a circle to its diameter B. Area of a circle to its radius C. Circumference of a circle to its diameter D. Circumference of circle to its radius
19	Question Image	
20	For all points (x,y) in first quadrant	A. x > 0 , y < 0 B. x > 0 , y > 0 C. x < 0 , y < 0 D. x < 0 , y > 0