Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Write the first four terms of the arithmetic sequence 5, 2, -1, ... is	A. 3 B. -4 C. 7 D. 1
2	The factorial of a positive integers is a (an)	A. Rational number B. Positive integer C. Real number D. None
3	If x+y+z+.....+2n = 2n+1-1 ∀ n∈W,then cube root of xyz is equal to	A. 1 B. 4 C. 2 D. 8
4	Question Image	A. 3 x 2 B. 2 x 3 C. 3 x 3 D. 2 x 2
5	∫x sin xdx is equal to:	A. sin x/x + cos x B. sin x - cos x/x C. x cos x + sin x D. - x cos x + sin x
6	x^2+ x - 6 = 0 is a conditional equation and it is true for	A. 2, 3 B. 2, -3 C. -2, -3 D. -2, 3
7	The principal value of sin-1√(3/2) is	A. -π/3 B. π/3 C. 2π/3 D. π/2
8	Question Image	A. Reflexive property B. Symmetric property C. Transitive property D. Additive property
9	Question Image	A. 56 B. 7 C. 8 D. 8/7
10	Question Image	A. An ellipse B. A parabola C. A circle D. A hyperbola
11	Question Image	A. 2x - 3x + c C. x²- 3x + c
12	If z = (x,y) , then $\bar{z}$ =	A. (-x,y) B. (x,-y) C. (-x, -y) D. None of these
13	One root of the equation cos x - x + 1/2 = 0 lies in the interval	
14	The set {-1,1} is closed under the binary operation of	A. Addition B. Multiplication C. Subtraction D. Division
15	Question Image	
16	Question Image	
17	Question Image	
18	Question Image	A. cosec x + c B. -cosec x + c C. -sec x + c

		D. sec x + c
19	Which of the following sets in infinite	A. The set of students of your class B. The set of all schools in Pakistan C. The set of natural numbers between 3 and 10 D. The set of rational numbers between 3 and 10
20	The zero vector is regarded to be parallel to	A. Every vector B. Is some cases C. Both a,b D. None