

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	A fraction in which the degree of the numerator is less the degree of the denominator is called	A. Polynomial B. Proper fraction C. Rational fraction D. None
2	Two sets A and B are said to be disjoint if	
3	If order of A is $m \times n$, then order of A^t is	A. $m \times m$ B. $n \times n$ C. $m \times n$ D. $n \times m$
4	Question Image	A. k^3 B. 0 C. $3k$ D. k^6
5	Period of Tangent function is	A. 0° B. π C. $\frac{\pi}{2}$ D. 2π
6	Question Image	A. 30° B. 45° C. 60° D. 90°
7	Question Image	
8	Question Image	B. $a^x \ln a + c$ C. $a^x + c$ D. $x a^x + c$
9	If $\cos(2 \sin^{-1} x) = \frac{1}{9}$, then what is the value of x ?	A. $\frac{1}{3}$ B. $-\frac{2}{3}$ C. $\frac{2}{3}$ D. $\frac{2}{3}, -\frac{2}{3}$
10	Question Image	A. 0 B. -1 C. 1 D. not defined
11	Question Image	
12	The distance of the point (a, b) from x-axis is	A. a B. b C. a + b
13	A point where two of its boundary lines intersect is called	A. Corner point B. Feasible point C. Vertex D. Feasible solution
14	The set $\{1, 2, 3, 4, \dots\}$ is called	A. Set of Natural numbers B. Set of whole numbers C. Set of rational number D. Set of irrational numbers

15	Question Image <input type="text"/>	A. Reflexive property B. Symmetric property C. Transitive property D. Additive property
16	Question Image <input type="text"/>	
17	The solution set of $\sin x + \cos x = 0$ is	
18	Question Image <input type="text"/>	A. 11 B. 61 D. 1
19	$x = r^2, y = 1$ are the parametric equation of	A. Circle B. Hyperbola C. Ellipse D. Parabola
20	$(a+bi) - (c+di) =$	A. $(a+b) = (c+d)$ B. $(a+c) + i(b+d)$ C. $(a - c) + (c - d)i$ D. $(a - c) + (b - d)i$