

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. $R/[0,4]$ B. $R/(0,4)$ C. $(0,4)$ D. $[0,4]$
2	The sum of an indicated number of terms in a sequence is called	A. sequence B. progression C. Series D. Mean
3	The number of real tangents that can be drawn to the ellipse $3x^2 + 5y^2 = 32$ passing thro. (3, 5) is	A. 0 B. 1 C. 2 D. Infinite
4	A Series which does not coverage to a Unique sum is called	A. Harmonic Series B. Oscillatroy Series C. Arithmetic Series D. None of these
5	$\sin^{-1}(-x) =$	A. x B. -x C. $-\sin^{-1} x$ D. $\cos^{-1} x$
6	The inclination of a line parallel to x-axis is	
7	Period of $\cot x$ is _____	
8	An open sentence formed by using the sign of equality "=" is called	A. Equation B. In equation C. True sentence D. False sentence
9	A conditional "if p then q" is denoted by	
10	The statement that a group can have more than one identity elements is	A. True B. False C. Fallacious D. Some times true
11	Every whole number is	A. A real number B. An irrational number C. A prime number D. A negative integer
12	In $(x + iy) x$ is the known as	A. Imaginary part of complex number B. Real part of complex number C. Complex number D. None of above
13	Given X,Y are any two sets such that number of elements in X = 18, number of elements in set Y = 24, and number of elements in set $X \cup Y = 40$, then number of elements in set $X \cap Y =$	A. 3 B. 1 C. 2 D. 4
14	If (0, 0) and (1, 0) are the end points of a diameter, then the equation of the circle is	
15	Question Image	A. -1 B. 0 C. 2 D. 1
16	Question Image	
17	How many necklaces can be made from 6 beads of different colours?	A. 120 B. 60 C. 24 D. 15
18	Question Image	
19	If order of A is m x n, then order of A ^t is	A. m x m B. n x n

19 If order of A is $m \times n$, then order of $A^T A$

- C. $m \times n$
- D. $n \times m$

20 A point where two of its boundary lines intersect is called

- A. Corner point
- B. Feasible point
- C. Vertex
- D. Feasible solution