

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The sum of an infinite geometric series exist if	A. r < 1 B. r > 1 C. r = 1 D. r = -1
2	The principal value of sin-1 $\sqrt{(3/2)}$ is	Aπ/3 B. π/3 C. 2π/3 D. π/2
3	If either A = 0 or B =0,then Ax2 +By2 +2Gx +2Fy +c =0 represents a	A. Circle B. Hyperbola C. Ellipse D. Parabola
4	Question Image	
5	Question Image	
6	Question Image	
7	The last term of (1+2x)-2	A. (-1)-2 (2x)-2 B. (-1)-4(-2x)-2 C. (-1)-3(2x)-3 D. Does not exist
8	Let A,B, and C be any sets such that $A \cup B = A \cup C$ and $A \cap B = A \cap C$ then	A. A≠ C B. B = C C. A = B D. A≠ B
9	Question Image	A. 0 B. 1 C1 D. none of these
10	If $(1+x-2x^3)^6=1+a_1x+a_2x^2+a_3x^3+$ the the value of $a_2+a_4+a_6++a_{12}$ will be	A. 32 B. 31 C. 64 D. 1024
11	If a statement $S(n)$ is true for $n=1$ and the truth of $S(n)$ for $n=k$ implies the truth of $S(n)$ for $n=k+1$, then $S(n)$ is true for all	A. Real numbers n B. Integers n C. Positive integers n D. None of these
12	The roots of px2 - (p-q)x-q=0 are	A. equal B. Irrational C. Rational D. Imaginary
13	If you are looking a bird in the tree from the ground then the angle formed is called angle of;	A. Elevation B. Depression C. Right angle D. None of these
14	A joint equation of the lines through the origin and perpendicular to the lines ax2 +2hxy +by2 =0 is indentical is ax2 +2hxy +by2 =0 if	A. h2 = ab B. a + b =0 C. a = b D. a≠ b E. a = b = 0
15	Question Image	
16	Question Image	
17	x is a member of the set [-1, 0, 3, 5] y is a member of the set {-2, 1, 2, 4} which is possible?	A. x - y = -6 B. x - y < -6 C. x - y > -6 D. None
18	In R, the multiplicative identity is	A. 0 B. 1 C1

		D. None
19	If in a set of real no a is additive identity then	A. a+a = 2a B. a+a = 1 C. a+a = 0 D. None of these
20	The multiplicative inverse of x such that $x = 0$ is	Ax B. Does not exist C. 1/x D. ±1