Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	$x^2 + x - 6 = 0$ is a conditional equation and it is true for	A. 2, 3 B. 2, -3 C. -2, -3 D. -2, 3
2	Domain of cosec x is _____	
3	A point where two of its boundary lines intersect is called	A. Corner point B. Feasible point C. Vertex D. Feasible solution
4	Question Image	A. n < 8/5 B. n < 5/8 C. |n| < 8/5 D. |n|>8/5
5	Sum of first n terms of an arithmetic series is	
6	Question Image	
7	For a set A, $A \cup A^c = $ --------------------	A. A B. ∅ C. A^c D. U
8	The sides of a right angled triangle are in A.P The ratio of sides is	A. 1:2:3 B. 3:4:5 C. 2:3:4 D. 5:8:3
9	If the roots of $ax^2 + b = 0$ are real and distinct then	A. ab > 0 B. a = 0 C. ab < 0 D. a > 0, b > 0
10	The 26th term of the A.P -2,-4,10,.............is	A. 136 B. -136 C. 148 D. -148
11	The three noncollinear points through which a circle passe are known, then we can find the:	A. Variables x and y B. Value of x and c C. three constants f,g and c D. inverse of the circle
12	Identity w.r.t intersection in a power set of any set is	A. ∅ B. Set itself C. Singleton set D. {0}
13	A _____ divides the plane into left and right half planes.	A. Vertical line B. Horizontal line C. Non vertical line D. Inequality
14	Question Image	
15	$^nC_2 = $ exists when n is _____	
16	The sixth term of the sequence 1,3,12,60....is	A. 1500 B. 72 C. 2160 D. 2520
17	Question Image	
18	Question Image	D. all
19	The parametric equation of a curve are $x = t^2$, $y = t^3$ then	
		A. side B. elements

20   A triangle has six

C. angle
D. tangents