

Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Question Image	
2	The graph of a quadratic function is	A. Circle B. Ellipse C. Parabola D. Hexagon
3	The number of diagonals of a six sided figure are	A. 9 B. 6 C. 12 D. 3
4	Two dice are rolled. The number of possible outcome in which at least one die shows 2 is?	A. 5 B. 12 C. 11 D. 7
5	Question Image	D. None of these
6	The perpendicular bisector of any chord of a circle	A. Passes through the centre of the cirle B. Does not pass through the centre of the circle C. May or may not pass through the centre of the cirlce D. None of these
7	The conic is a parabola if	A. e < 1 B. e > 1 C. e = 1 D. e = 0
8	The sum of the series 1+5+9+13+17+21+25+29 is	A. 140 B. 130 C. 120 D. 110
9	Which of the following is the subset of all sets?	B. {1, 2,3} D. {0}
10	0 (Zero) is	A. An irrational number B. A rational number C. A negative integer D. A positive number
11	If the angle of a triangle are in the ratio 2:3:7, the triangle is	A. Obtuse B. Acute C. Right angle D. Isosceles
12	Question Image	
13	Question Image	A. Nilpotent matrix B. Singular matrix C. Non singular matrix D. Diagonal matrix
14	Question Image	
15	A die is thrown. What is the probability that there is a prime number on the top?	A. 1/2 B. 1/3 C. 1/6 D. 2/3
16	Question Image	
17	The nth term in G.P 3,-6,12, is	A. 3(-2) ⁿ⁻¹ B. 2(-2) ⁿ⁺¹ C. 3(-2) ⁿ D. 4(-2) ⁿ⁻¹
18	The equation of the normal to the circle $x^2 + y^2 = 25$ at(4, 3) is	A. $3x - 4y = 0$ B. $3x - 4y = 5$ C. $4x + 3y = 5$

		D. $4x + 3y = 25$
19	A standard deck of 52 cards is shuffled. What is the probability of choosing the queen of the diamonds	A. 1/5 B. 1/13 C. 5/52 D. 1/52
20	Question Image	