

Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	The value of the polynomial $3x^3 + 4x^2 - 5x + 4$ at $x = -1$ is	A. 12 B. 1 C. 10 D10
2	Question Image	
3	In Binomial Expansion the coefficients of the terms equidistant from beginning and end of the expansion are	A. Zero B. Same C. Equal to preceding term D. Equal to following term
4	Question Image	
5	Question Image	B3/4 C. 1/16 D. 1/4
6	The center of a circle of radius 10 is on the origin. Which of the following points lies with in the circle	A. (10, 0) B. (8, 8) C. (8, 4) D. (0, 10)
7	The mid point of the line joining (-1, -3) to (3, -5) is	A. (1, 1) B. (1, -1) C. (2, -8) D. (1, -4)
8	Question Image	D. None of these
9	A line segment whose end points lie on a circle is called	A. The secant of the circle B. The arc of the circle C. The chord of the circle D. The circumference of the circle
10	Question Image	D. None of these
11	Question Image	
12	In general matrices do not satisfy	A. Commutative law w.r.t multiplication B. Associative law w.r.t addition C. Distributive law w.r.t addition D. Multiplication of a scalar with the matrix
		A. 10
13	Question Image	B. 20 C. 40
		D. 26
14	6 is	A. A prime integerB. An irrational numberC. A rational numberD. An odd integer
15	The graph of a quadratic function is	A. Circle B. Ellipse C. Parabola D. Hexagon
16	If the sum of the roots of the equation $ax^2 - 2x + 2a = 0$ is equal to their product, then the value of a is	A. 1 B. 2 C. 3 D. 4
17	Question Image	
18	In the expansion of $(a + b)^{n}$ in every term the sum of the exponents of a and b is	A. n B. n + 1 C. 2n - 1 D. 2n + 1
		A. An irrational number

19	3/2 is	B. Whole numberC. A positive integerD. A rational number
20	Question Image	A. 1 B. 2 C. 3 D. 4