

Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Question Image	D. -2-i
2	Question Image	A. <div>Both A,B have the same number of columns</div> B. <div>Both A and B do not have the same order</div> C. <div>Number of col A is same as number of rows of B</div> D. <div>Number of rows of A is same as number of col of B</div>
3	Question Image	A. An equation B. Linear equation C. Rational fraction D. Identity
4	Question Image	A. $n = 3$ only B. $n < 5$ C. $n < 3$ D. $n < 5$
5	The equation of the line with gradient 1 passing through the point (h, k) is	A. $Y = x + k - h$ B. $Y = k/h x + 1$ C. $Y = x + h - k$ D. $Ky = hx - 1$
6	The difference of two consecutive terms of an A.P. is called	A. Constant of series B. Common ratio C. Common difference D. General term
7	Question Image	
8	If $-1 < x < 0$, which of the following statements must be true?	A. $x < x^2 < x^3$ B. $x < x^3 < x^2$ C. $x^2 < x < x^3$ D. $x^2 < x < x^3$
9	Question Image	
10	The values of n such that, in the binomial expansion of $(1 - x)^n$, co-efficient of x^2 , co-efficient of x^2 is 3, are	A. -2, -3 B. 2, -3 C. -2, 3 D. None of these
11	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
12	The point (-5, 3) is the center of a circle and P(7, -2) lies on the circle. The radius of the circle is	A. 2 B. 13 C. 7 D. 8
13	Question Image	
14	If $K_1 : K_2 = 1 : 1$ then the point P dividing the line is	A. Midpoint B. Extreme left point C. Extreme Right Point D. P lies out side $k > 1$ and $k < 2$
15	$\cos 315^\circ =$	A. 0.707 B. 0.5 C. 1 D. 0

16	Which is in the solution set of $4x - 3y < 2$	A. (3, 0) B. (4, 1) C. (1, 3) D. None
17	Question Image	A. A linear equation B. A cubic equation C. A quadratic equation D. An equation for circle
18	The value of x, and y, when $(x + iy)^2 = 5 + 4i$	A. $X = 2, y = -1$ B. $X = -2, y = 1$ C. $X = 2, y = -1$ D. $X = 2, y = 2$
19	How many elements are in the sample space of two rolling dies	A. 6 B. 12 C. 18 D. 36
20	Question Image	A. An irrational number B. Whole number C. A positive integer D. A rational number