

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If a force $F = 2i + j + 3k$ acts at point $(1, -2, 2)$ of a body then the moment of F about a pint lying on the line of action of the force is	A. 5 B. Equal to the moment of the force about origin C. 0 D. Cannot be found
2	The corner point of the boundary lines, $x-2y$ $2x + y = 2$ is:	A. (2,6) B. (6,2) C. (-2,2) D. (2,-2)
3	A fraction in which the degree of the numerator is less the degree of the denominator is called	A. Polynomial B. Proper fraction C. Rational fraction D. None
4	The distance between the points $(2, 2)$ and $(3, 3)$ is	A. 10 C. 5 D. 2
5	Question Image	A. $n \leq 8/5$ B. $n \leq 5/8$ C. $ n \leq 8/5$ D. $ n \geq 8/5$
6	Question Image	
7	Question Image	
8	6 is	A. A prime integer B. An irrational number C. A rational number D. An odd integer
9	$n! > 2^{n-1}$ is true when	A. $n \leq 3$ B. $n \leq 6$ C. $n \geq 4$ D. $n \leq 6$
10	Derivative of $\sin x$ w.r.t. $\sin x$ is	A. 0 B. 1 C. $\sin x$ D. $\cos x$
11	Question Image	D. none of these
12	$f(x) = x^3 - x/x^2 + 1$ is :	A. an even function B. an odd function C. an even and implicit function D. neither even nor a odd
13	Question Image	
14	The sample space for tossing a coin twice is	A. {H, T} B. {HH, HT, TH, TT} C. {H, T, HH} D. {HH, HT, TT}
15	Question Image	
16	Question Image	A. $2x - 3x + c$ C. $x ² </sup>- 3x + c$
17	The exterior angle of the interior angle C of he quadrilateral whose vertices are $A(5,2), B(-2,3), C(-3,-4), D(4,-5)$ is	A. 30° B. 60° C. 45° D. 90°
18	The minimum value of the quadratic function $f(x) = 5x^2 - 11x$, is	A. -11 B. 6 C. -7 D. 7

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Question Image

- A. A natural number
- B. A rational number
- C. An irrational number
- D. A whole number

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The conjugate of $\sqrt{5}i$ is

- A. $\sqrt{5}$
- B. $-\sqrt{5}i$
- C. i
- D. $5i$