

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	How many 6-Digit number can be formed without repeating any digit from the digits 0,1,2,3,4,5	A. 720 B. 600 C. 120 D. 6-5!
2	Number of lines passing through three non-collinear points is	A. 2 B. 3 C. 1 D. 0 E. ∞
3	If $f(x) = x $, then (0,0) is the	A. Critical point B. Inflection point C. Stationary point D. None of these
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. 1 C. 2 D. 1/2
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 2 C. -2 D. none of these
6	The ratio in which the line $y - x + 2 = 0$ divides the line joining (3,-1) and (8,9) is	A. 2:3 B. -2:3 C. 3:2 D. -3:2
7	For each real number, there is a number which is its	A. Negative B. Positive C. Opposite D. Similar
8	The solution set of $x^2 - 5x + 6 = 0$ is	A. {1, 3} B. {2, 3} C. {1, 2} D. None of these
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. trigonometric equation B. conditional equation C. identity D. None
10	The direction cosines of a line equally inclined with co-ordinate axes are	
11	Three dice are thrown together. The probability of getting a total of at least 6 is	A. 103 / 108 B. 10 / 216 C. 93 / 108 D. None of these
12	Which conjunction is not true ?	
13	The number of triplets (x, y, z) satisfying $\sin^{-1}x + \cos^{-1}y + \sin^{-1}z = 2\pi$ is	A. 0 B. 2 C. 1 D. Infinite
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Even B. Odd C. Prime D. None of these
15	The straight line passing through the focus and perpendicular to the directrix of the conic is known as its	A. Tangent B. axis C. Focal chord D. major or minor axis
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. -a -b -c B. 1 C. 0 D. -1

17	-2, 1, 4, 7,.... is _____	A. Harmonic sequence B. Arithmetic sequence C. Geometric sequence D. Arithmetic series
18	<input type="text" value="Question Image"/>	
19	<input type="text" value="Question Image"/>	D. None of these
20	If distance between (a,2) and (0,0) is 2 then a = _____	A. 0 B. 2 C. 4