

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. images B. pre-images C. constants D. none of these
3	The coordinates of the point that divides the join of A(-6,3) and B(5, -2) in the ratio 2:3 externally are	
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
5	If a,b,c are unit vectors then $ a + b ^2 + a - b ^2$	A. 4 B. 8ab C. 9cos D. 4(a,b)
6	A and B throw a dice. The probability that A's throw is not greater than B's is	A. 5 / 12 B. 7 / 12 C. 1 / 6 D. 1 / 2
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
8	If the sum of two unit vectors is a unit vector the the magnitude of their difference is	A. $\sqrt{2}$ B. $\sqrt{3}$ C. 1 D. None of these
9	Let A and B be two sets. If every element of A is also an element of B then	
10	The centroid of a triangle divides each median in the ratio	A. 2 : 1 B. 3 : 1 C. 3 : 2 D. 1 : 1
11	(1, 2) is in the solution of the inequality	A. $2x + y \geq 8$ B. $2x + y < 6$ C. $2x - y \geq 1$ D. $2x + 3y \leq 2$
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. A rational number B. An irrational number C. An odd number D. A prime number
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 36 B. 360 C. 24 D. 6
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
15	The value of $\sin 28^\circ \cos 17^\circ + \cos 28^\circ \sin 17^\circ$ is	
16	e-radii are denoted by	A. η B. r^2 C. r^3 D. All of these
17	What is the value of $\cos^{-1}(1/2)$?	A. $\pi/3$ B. $\pi/4$ C. $3\pi/2$ D. $\pi/6$
18	Every prime number is also	A. Rational number B. Even number C. Irrational number D. Multiple of two numbers
19	Write the first four terms of the arithmetic sequence 5, 2, -1, ... is	A. 3 B. -4 C. 7 D. 1

20

The sum of the coefficient in the expansion of $(a + x)^5$ is

- A. 32
- B. 16
- C. 8
- D. 5