

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The direction cosines of a line equally inclined with co-ordinate axes are	
2	<input type="text" value="Question Image"/>	D. none of these
3	The points A(3,1),B(-2,-3),C(2,2) are vertices of an (an)	A. Right triangle B. Equilateral triangle C. Isosceles triangle D. Scalene triangle
4	The domain of $y = \sqrt{(x^2-9)}$ is	A. R B. $(0, +\infty)$ C. $(-\infty, -3) \cup (3, +\infty)$ D. $(0, \infty)$
5	If a, b, c are sides of a triangle taken in order then $a \times b =$	A. $b \times c$ B. $b \times a$ C. $c \times a$ D. Both a & b
6	A polynomial P(x) has a factor (x-a) if P(a) =	A. a B. x C. 1 D. 0
7	<input type="text" value="Question Image"/>	A. additive property B. multiplicative property C. additive identity D. multiplicative identity
8	<input type="text" value="Question Image"/>	
9	Three consecutive terms of a progression are 30, 24, 20. The next terms of the progression is	
10	<input type="text" value="Question Image"/>	D. none of these
11	<input type="text" value="Question Image"/>	
12	<input type="text" value="Question Image"/>	A. 9 B. -9 C. 0 D. 1
13	In polar form of complex number r =	
14	If $n(A) = n$ then $n(P(A))$ is	A. $2n$ B. n^{2^2} C. $n/2$ D. 2^{2^n}
15	<input type="text" value="Question Image"/>	D. none of these
16	<input type="text" value="Question Image"/>	A. Free vector B. Null vector C. Unit vector D. None of these
17	If $f(x) = x^2$ then $f(0)$ is	A. 0 B. 1 C. 2 D. none of these
18	<input type="text" value="Question Image"/>	D. none of these
19	The quadratic equation $8 \sec^2 \theta - 6 \sec \theta + 1 = 0$ has	A. Infinitely many roots B. Exactly two roots C. Exactly four roots D. No roots
20	Period of $\tan x$ is _____	