

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If $x-2$ and $x-1$ both are factors of $x^3-3x^2+2x-4p$, then P must equal to	A. 1 B. 2 C. 0 D. -2
2	Question Image	A. $(x^3-3x^2+8)+c$ D. $3x^2-6x+c$
3	Question Image	
4	Number of lines passing through three non-collinear points is	A. 2 B. 3 C. 1 D. 0 E. ∞
5	$\cos(\alpha+\beta) - \cos(\alpha-\beta) =$	A. $-2 \sin\alpha \sin\beta$ B. $2 \sin\alpha \sin\beta$ C. $-2 \sin\alpha \cos\beta$ D. $4 \sin\alpha \cos\beta$
6	The contra positive of $p \rightarrow q$ is	A. $q \rightarrow p$ B. $\sim q \rightarrow \sim p$ C. $\sim p \rightarrow \sim q$ D. None of these
7	The eccentricity of the parabola $y^2 = -8x$ is	A. -2 B. 2 C. -1 D. 1
8	In one hour the minute hand of a clock turns through	
9	Question Image	
10	$p(x) = 2x^4 - 3x^3 + 2x - 1$ is polynomial of degree	A. 1 B. 2 C. 3 D. 4
11	The set of all points in the plane that are equally distant from a fixed point to called a	A. Parabola B. ellipse C. Hyperbola D. Circle
12	$f(x) = C$ is	A. identity function B. constant function C. linear function D. ...

		D. quadratic function
13	The unit vector along z-axis is	D. none of these
14	1 is not	A. Real number B. Natural number C. Prime Number D. Whole Number
15	Question Image	
16	A person standing on the bank of a river observes that the angle of elevation of the top of a tree on the opposite bank of the river is 60° and when he retires 40 meters away from the tree the angle of elevation becomes 30° . The breadth of the river is	A. 40 m B. 30 m C. 20 m D. 60 m
17	Question Image	A. $5/12$ B. $3/8$ C. $5/8$ D. $7/4$
18	Question Image	
19	Question Image	A. $\cos 2x + c$ B. $-\cos 2x + c$ C. $\tan 2x + c$ D. $\cot 2x + c$
20	For all points (x,y) on x-axis	A. x is positive B. x is negative C. y = 0 D. y is negative