

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	If a, β are the roots of $ax^2+bx+c=0$, the equation whose roots are doubled is	A. $ay^2 + 2by+c=0$ B. $ay^2+2by+4c=0$ C. $ay^2+2by+c=0$ D. $ay^2+by+4c=0$
3	A quadratic equation has two	A. roots B. degree C. variables D. constants
4	$f(x) = \sin x + \cos^2x$ is	A. trigonometric function B. algebraic function C. exponential function D. logarithmic function
5	Find the geometric mean between 4 and 16	
6	To each element of a group there corresponds inverse element	A. Two B. One C. No D. Three
7	If three unequal numbers p, q, r are in H.P. and their squares are in A.P., then the ration p : q : r is	
8	3, 6, 12,..... is	A. A.P. B. G.P. C. H.P. D. None of these
9	If n is add the expansion $(a + x)^n$ has middle terms	A. 2 B. 3 C. 4 D. 5
10	The point R dividing externally the line joining the points P(x_1, y_1) and Q(x_2, y_2) in the ratio $k_1: k_2$ has the coordinates	
11	A prime number can be a factor of a square only if it occurs in the square at least	A. Once B. Thirce C. Twice D. None of these
12	Question Image	
13	$(x + 2)^2 = x^2 + 4x + 4$ is	A. A linear equation B. A cubic equation C. A quadratic equation D. None
14	If $f(x) = x^3 - 2x^2 + 4x - 1$, then $f(-2) = ?$	A. 0 B. -25 C. 5 D. 45
15	The distance between the points (0 , 0) and (1, 2) is	A. 5 C. 0 D. 3
16	Question Image	
17	Which of the following is a factor of $x^3 - 3x^2 + 2x - 6$	A. $x + 2$ B. $x + 3$ C. $x - 3$ D. $x - 4$
18	Question Image	
19	Decimal part of irrational number is	A. Terminating B. Repeating only C. Neither repeating nor terminating

