

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If A is such that a,A,B are in A.P then A is called	A. A.M B. Common ratio C. Common difference D. None of these
2	Question Image	
3	For non-trivial solution $ A $ is	A. $A = 0$ B. $A ^t= 0$ C. $ A = 0$ D. None of these
4	Gooch crucible is made of :	A. Brass. B. Porcelain. C. Bronze. D. Gold.
5	If $f(x) = x^2$ then $f(0)$ is	A. 0 B. 1 C. 2 D. none of these
6	Question Image	
7	Question Image	
8	If $2x^{1/3} + 2x^{-1/3} = 5$, then x is equal to	A. 1 or -1 B. 2 or 1/2 C. 8 or 1/8 D. 4 or 1/4
9	Question Image	A. $b = c$ B. $a = c$ C. $a = c$ D. $b = 0$
10	If line through (4,3) and (2,k) is perpendicular to $y = 2x + 3$, then k = _____	A. -1 B. 1 C. -4 D. 4
11	The mid point of the line segment joining the points (a,b) and (b,a) is	
12	Question Image	
13	Question Image	A. 0 B. 1 C. 13
14	Question Image	A. 1 B. 0 C. 3 D. -3
15	If for the matrix A, $A^5 = I$, then $A^{-1} =$	A. $A ²$ B. $A ³$ C. A D. None of above
16	nC_{n-r} is equal to	A. n! B. $n-1Cr$ C. nCr D. None of these
17	The maximum value of $Z = 3x + 4y$ subjected to the constrains $x + y \leq 40, x + 2y \leq 60, x \geq 0$ and $y \geq 0$ is	A. 120 B. 100 C. 140 D. 160
18	Question Image	
19	Question Image	

