Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	$n!/(n-1)! =$	A. n B. n! C. (n-1)! D. 0!
2	The zero vector is	A. [0, 0, 0] B. [1, 1, 1] C. [0, 1, 0] D. [0, 0, 1]
3	The 6th term of the sequence 7,9,12,16......is	A. 27 B. 32 C. 20 D. 19
4	Question Image	
5	Question Image	D. none of these
6	If ab > 0 and a < 0, which of the following is negative?	A. b B. -b C. -a D. $(a - b)^2$
7	Question Image	A. 2 B. 4 C. 8 D. 16
8	There are n seats round a table numbered 1, 2, 3 .... n. The number of ways in which m person can take seats is	A. ^nP_m B. $^nC_m \times (m - 1)!$ C. $^{n-1}P_m$ D. None of these
9	Question Image	
10	Period of cos x is _____	
11	For a positive integer n	A. n! = n(n + 1) B. n! = n(n+1)! C. n! = n(n - 1) D. n! = n(n - 1)!
12	If $f(x) = x^2 - x$ then f(2) is	A. 4 B. 6 C. 2 D. 0
13	$\sqrt[3]{8.6}$ is approximately equal to	A. 2.488 B. 2.48 C. 2.0488 D. 2.05
14	Question Image	A. sec 3x + c B. - cosec 3x + c
15	Question Image	A. 0 B. 1 C. -2 D. 10
16	The formula an = a +(n-1)d for an A.P is called	A. nth term of an A.P B. Sum of first n terms C. A,M between a and b D. None of the above
17	Sin 45° = _____	
18	Question Image	
19	Question Image	A. range of f B. domain of f C. both (a) and (b)

20	There are 16 point in a plane, in which 6 are collinear. how many lines can be drawn by joining these points?	A. 10 B. 66 C. 71 D. 106