Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	The perpendicular bisector of any chord of a circle	A. Passes through the centre of the cirle B. Does not pass through the centre of the circle C. May or may not pass through the centre of the cirlce D. None of these
4	Question Image	A. p < r B. p > r C. p + r < 0 D. p - r < 0
5	The difference of two consecutive terms of an A.P. is called	A. Constant of series B. Common ratio C. Common difference D. General term
6	Question Image	
7	Question Image	A. Tan x B. X C. - x
8	Question Image	A. Both A,B have the same number of columns B. Both A and B do not have the same order C. Number of col A is same as number of rows of B D. Number of rows of A is same as number of col of B
9	For which of the following ordered pairs (s, t) is s + t > 2 and s - t < -3?	A. (3, 2) B. (2, 3) C. (1, 8) D. (0, 3)
10	Question Image	
11	In a school, there are 150 students. Out of these 80 students enrolled for mathematics class, 50 enrolled for English class, and 60 enrolled for Physics class. The student enrolled for English cannot attend any other class, but the students of mathematics and Physics can take two courses at a time. Find the number of students who have taken both physics and mathematics	A. 40 B. 30 C. 50 D. 20
12	The magnitude of a vector can never be	A. Zero B. Negative C. Positive D. Absolute
13	The number of ways in which we can courier 5 packets to 10 cities is	A. 2 x 5⁰ B. 5¹⁰ C. 10⁵ D. 2¹⁰
14	Multiplicative inverse of "1" is	A. 0 B. <u>+</u> 1 C. 1 D. {0, 1}
15	Question Image	
16	If c is a constant number and if f is the function defined by the equation f(x) = c for all values of x, then f is differentiable at every x and f is defined the equation f(x) = _____	A. f B. 1 C. C D. 0
		A. 4n - 3

17	The nth term of of A.P:1,5,9,15,..... is given by	B. 4n + 1 C. 3n - 4 D. 4n + 3
18	Ifα andβ be irrational roots of a quadratic equation, then	
19	Question Image	
20	Question Image	