Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Question Image	A. 2 B. 1 C. 0
2	If the 19th term of A.P is 8 and the 4th term is 20, then the first term is	A. 20.2 B. 25.5 C. 27.5 D. 37.5
3	Question Image	
4	Question Image	
5	In the expansion of $(a + b)^n$ in every term the sum of the exponents of a and b is	A. n B. n + 1 C. 2n - 1 D. 2n + 1
6	Question Image	D. None of these
7	If $f_1(x)$ and $f_2(x)$ are any two anti derivatives of a function F (x), then the value of $f_1(x) - f_2(x)$ =	A. A variable B. A constant C. undefined D. infinity
8	Question Image	
9	Question Image	A. An irrational number B. Whole number C. A positive integer D. A rational number
10	The set of complex numbers forms a group under the binary operation of	A. Addition B. Multiplication C. Division D. Subtraction
11	Question Image	
12	Question Image	A. 1 B. 0 C. -2 D. 3
13	Question Image	
14	If K_1: K_2= 1 : 1 then the point P dividing the line is	A. Midpoint B. Extreme left point C. Extreme Right Point D. P lies out side k₁and k₂
15	If n is a positive integer, then 3+6+9+ ----------+3n =	
16	If a cone is cut by a plane perpendicular to the axis of the cone, then the section is a	A. Parabola B. Circle C. Hyperbola D. Ellipse
17	The Domain of f(x) = log x is	
18	The equation of the line with gradient 1 passing through the point (h, k) is	A. Y = x + k - h B. Y = k/h x + 1 C. Y = x + h - k D. Ky = hx - 1
19	Question Image	A. Nilpotent matrix B. Singular matrix C. Non singular matrix D. Diagonal matrix
20	Write the first four terms of the arithmetic sequence if a_1= 5 and other three consecutive terms are 23 26 29	A. 23, 26, 29, 32 B. 5, 8, 11, 14 C. 8, 11, 14, 17

terms are 25,26,29

D. None of these