Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	The number of diagonals of a six sided figure are	A. 9 B. 6 C. 12 D. 3
2	Question Image	
3	a + x is	A. A trinomial B. A binomial C. A moomial D. An equation
4	Question Image	A. A < G < H B. A > G > H C. A < G > H D. A > G < H
5	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
6	A function F(x) is called even if	A. F(x) = F(-x) B. F(x) = F(-x) C. F(x) = -F(x) D. 2F(x) = 0
7	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
8	The sum of the interior angles for a 16 sided polygon is	A. 4 pie B. 14 pie C. 8 pie D. 2 pie
9	Ifα andβ be irrational roots of a quadratic equation, then	
10	Question Image	
11	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
12	The gradient of the line joining (1, 4) and (-2, 5) is	A. 3/8 B. -2 2/3 C. -1/3 D. 2
13	If the sum of the roots of the equation ax^2- 2x + 2a = 0 is equal to their product, then the value of a is	A. 1 B. 2 C. 3 D. 4
14	If -1 < x < 0, which of the following statements must be true?	A. x < x²< x³ B. x < x³< x² C. x²< x³< x D. x²< x < x³
15	Question Image	
16	Question Image	
		A. n + 1

17	If 0 < n < 1, n is a rational number, the number of terms in the expansion of $(1 + X)^n$ are	B. 2n C. Infinitely many D. 2n²
18	The set of the first elements of the ordered pairs forming a relation is called its	A. Function on B B. Range C. Domain D. A into B
19	Question Image	A. 30° B. 45° C. 60° D. 90°
20	Question Image	A. Free vector B. Null vector C. Unit vector D. None of these