Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Number of lines passing through three non-collinear points is	A. 2 B. 3 C. 1 D. 0 E. ∞
2	Two coins are tossed twice each. The probability that the head appears on the first toss and the same forces appear in the two tosses is	A. 1/4 B. 1/2 C. 1/3 D. 1/7
3	Question Image	
4	Sum of two quantities is at least 20 is denoted by	A. x +y =20 B. x +y≥ 20 C. x +y≠ 20 D. x +y≤20
5	The point of contact of the circles $x^2 + y^2 - 6x - 6y + 10 = 0$ and $x^2 + y^2 = 2$ is	A. (-3 ,2) B. (1 , 3) C. (-2 , -1) D. None of these
6	Question Image	
7	If p and q are two statements then their biconditional 'p if q' is denoted by	
8	The equation $x^2 + y^2 + 2g + 2fy + c = 0$ represents a circle whose centre is :	A. (g,f) B. (-g,-f) C. (2g ,2f) D. (-2f ,-2g)
9	In R, the multiplicative identity is	A. 0 B. 1 C. -1 D. None
10	Question Image	A. additive property B. multiplicative property C. additive identity D. multiplicative identity
11	Question Image	
12	Question Image	A. Commutative law of addition B. Associative law of addition C. Additive identity D. Additive inverse
13	Question Image	A. 0 B. 1
14	Question Image	A. 2x cos x2 B. -2xcosxsinx C. 2x Sin x2 D. -Sin x2
15	The equation of the circle with centre (-h, -k) and radius r is	A. (x +h)²+ (y+k)²= r² B. (x +h)²+ (y-k)²= r² C. (x -h)²+ (y+k)²= r² D. (x -h)²+ (y-k)²= r²
16	If n is any positive integer then $2^n > 2(n + 1)$ is true for all	
17	Question Image	A. 1 B. 0 C. 5 D. 2
		A. 0

18	w^{11}= _____	B. 1 C. w D. w²
19	Question Image	A. perpendicular vectors B. parallel vectors C. concurrent vectors D. none of these
20	If sin 6θ+ sin 4θ+ sin 2θ, thenθ=	