Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The maximum value of $\sin\theta\cos\theta$ is	A. 1 **B. 1/2** C. 1/4 D. 1/6
2	The distance of the point (-2, -3) from the origin is	A. 2 B. -5 C. -3
3	$\forall x \in (a,b), f(x)$ is increasing if	**A. f'(x) >0** B. f'(x) <0 C. f''(x) >0 D. f''(x) =0
4	A relation in which the equality is true only for some values of the unknown is called	A. An identity **B. An equation** C. A polynomial D. None
5	Question Image	
6	Question Image	
7	If E = { } , then P(E)	A. $\varnothing$ B. { } C. {(2),(4),(6)....} **D. ($\varnothing$)**
8	Question Image	
9	Question Image	
10	Question Image	**A. Evert element of A is in B** B. Every element of B is in A C. Every element of A is in B' D. Every element of A is in A
11	Let the equation $ax^2 - bx + c = 0$ have distinct real roots both lying in the open interval (0, 1) where a, b, c are given to be positive integers. Then the value of the ordered triplet (a, b, c) can be	A. (5, 3, 1) B. (4, 3, 2) **C. (5, 5, 1)** D. (6, 4, 1)
12	Domain of 3 sin x is _____	A. [-3, 3] **B. R** C. Positive real numbers D. None of these
13	The distance between the points A(-8,3) and B(2,-1) is	B. 116 D. none of these
14	Question Image	**A. Additive property in R** B. Multiplication property in R C. Cancellation property in R D. Distribution property in R
15	The points A(+1,-1),B(3,0),C(3,7),D(1,8) are vertices of	A. Square B. Parallelogram C. Rectangle **D. Trapezium**
16	Question Image	
17	Question Image	**A. Associative property of addition** B. Commutative property of addition C. Distributive property D. Additive identity
18	Question Image	
19	The graph of the linear equation of the form ax =by = c is a line which divided the plane into:	A. Two similar regions **B. Two disjoint regions** C. Four equal parts D. One region

| 20 | Question Image | A. 0
B. 1
C. 2
D. None of these |