Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Express as a sum or difference: 2 sin 5θcosθ	A. cos 4θ - cos 2θ B. sin 4θ + sin 2θ C. cos 4θ + cos 2θ D. sin 4θ - sin 2θ
2	Multiplying each side of an inequality by (-1) will:	A. Not effect B. Change the sign C. Become zero D. Not defined
3	An expression involving any of the symbols <,>,≤ or ≥ is called	A. equation B. inequality C. linear equation D. identity
4	Question Image	
5	A statement which is either true or false is called	A. Induction B. Deduction C. Propositicon D. Logic
6	Question Image	
7	Question Image	
8	Question Image	
9	The proposition S(k+1) is true when _____ is true $\forall K \in N$	A. S(n) B. S(k) C. S(1) D. S(k-1)
		A. <span style="color: rgb(34, 34,

10	If 2 $\tan^{1}(\cos x) = \tan^{-1}(\text{cosec}^{2}x)$, then x is equal to	34); font-family: "Times New Roman"; font-size: 24px; text-align: center; background-color: rgb(255, 255, 248);">π / 3 B. π / 2 C. π / 6 D. π
11	If p and q are two statements then their conjunction is denoted by	
12	1st four terms of the expansion $(1-x)^{-2}$are	A. 1 + 2x + 3x²+ 4x³ B. 3x²+ 2x + 1 C. 1 + 3x + 4x²+ 5x³ D. None of these
13	If $d_1$is the distance between (0,0) and (1,2) and $d_2$is the distance between (0,0) and (-1,-2) the	A. d₁< d₂ B. d₁> d₂ C. d₁= d₂ D. none of these
14	Question Image	A. quadratic function B. constant function C. trigonometric function D. linear function
15	x = _____ is in the solution of 2x + 3 < 0	A. 0 B. 2 C. -1 D. -2
16	The exponent of x in 10th term in the expansion of (a+x)n	A. 10 B. 12 C. 11 D. 9
17	If Sin A = sin B, cos A = cos B, then the value of A in terms of B is	
18	The mid point of the line segment joining the points A(3,1) and B(-2,-4) is	A. (1, -3)
19	Question Image	
20	The third term in the expansion of (1+2x) is	A. -2x2 B. -4x2 C. 2x2 D. 4x2