Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	A function f(x) is said to be the periodic function if for all x in the domain of f, there exists a smallest positive number p such the f(x + p) = _____	A. f(p) B. f(x) C. f(o) D. None of these
2	The interval in which f(x)=x3-6x2+9x is increasing	A. 1<x<3 B. x<1 and x>3 C. X ≥1 and x ≤ 3 D. -∞ < x < ∞
3	Question Image	
4	E-radius corresponding to < B is	
5	If in a set of real no a is additive identity then	A. a+a = 2a B. a+a = 1 C. a+a = 0 D. None of these
6	The period of cosec 10x is _____	
7	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
8	The distance of the points (3, 4, 5) from y-axis is	
9	Question Image	D. none of these
10	Range of cosec$\theta$is	A. W - {y | -1 < y < 1} B. R - {y | -1 < y < 1} C. O - {y | -1 < y < 1} D. R
11	Question Image	
12	By expressing cos 113° in terms of trigonometrical ratios, answer will be	A. −cos 76° = -0.7093 B. −cos 65° = -0.4258 C. −cos 67° = -0.3907 D. −cos 62° = -0.8520
13	The symbol _____ shall be used both for equation and identity	A.
14	In order of A is m x n and order of B is n x p then order of AB is	A. m x m B. n x n C. m x p D. p x m
15	22.5°=_____	
16	Question Image	
17	Domain of 1+cot2θ=csc2θ is	A. [0,π] B. R-{x/x=nπ,n∈ z} C. (-∞,+∞) D. [-1,1]
18	For any set B, BUB' is	A. Is set B B. Set B' C. Universal set D. None of these
19	If $a_1$and r are the first term and the common ratio respectively then (n + 1)th term of the G.P. is	A. 0 B. a₁rⁿ⁻¹ C. a₁rⁿ⁺¹ D. a₁rⁿ
		A. 1 + 4x + 6x²+

20	$(1 + 2x)^4$= _____	4x³+ x⁴ B. 1 - 4x + 6x²- 4x³+ x⁴ C. 1 - 8x + 24x²- 32x³+ 16x⁴ D. 1 + 8x+ 24x²+ 32x³+ 16x⁴