Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The number of points of intersection of two curves $y = 2 \sin x$ and $y = 5x^2 + 2x + 3$ is	A. 0 B. 1 C. 2 D. None of these
2	If $f(x) = x^2$ then $f(2)$ is	A. -2 B. 2 C. 4 D. -4
3	The three consecutive numbers $a, \sqrt{ab}, b$ are in	A. G.P B. H.P C. G.M D. None of these
4	$\forall a, b, c \, \varepsilon \, R \, ac = bc \Rightarrow a = b, c \neq 0$ is a	A. Symmetric property B. Cancellation property w.r.t multiplication C. Reflexive property D. Transitive property
5	To each element of a group there corresponds _____ inverse element	A. Two B. One C. No D. Three
6	If $f(x) = \tan x$ then $f(0)$ is	A. 0 B. 1 C. 1/2
7	$(a^{-1})^{-1} =$	A. a⁻¹ B. a C. -a D. None of above
8	The Domain of $y = \sin x$ is _____	A. Set of real numbers B. Rational C. Irrational no. D. None of above
9	The set $\{ \{a,b\} \}$ is	A. Infinite set B. Singleton set C. Two points set D. Empty set
10	Question Image	
11	Question Image	A. 2 B. -1 C. 8 D. not defined
12	The coefficient of xn in the expansion of (1-x)-1 is	A. (-1)n2n B. 1 C. (-1)n(n+1) D. (n+1)
13	sn (2sin-10.8)	A. 0.56 B. 0.69 C. -0.16 D. 0.96
14	A line segment whose end points lie on a circle is called	A. The secant of the circle B. The arc of the circle C. The chord of the circle D. The circumference of the circle
15	Question Image	D. none of these
16	Question Image	D. none of these
17	Question Image	
		A. x -axis

18	the curve of the parabola $y^2 = -4ax$ is symmetric with respect to	B. y - axis C. Botha x and y- axis D. None of thes
19	Question Image	D. none of these
20	Question Image	A. $3x^2 + 2$ B. $3x^2 + 2x + 3$ C. $x^3 + x^2$ D. none of these