Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	A function F(x) is called even if	A. $F(x) = F(-x)$ **B. $F(x) = F(-x)$** C. $F(x) = -F(x)$ D. $2F(x) = 0$
2	The 26th term of the A.P -2,-4,10,............is	**A. 136** B. -136 C. 148 D. -148
3	The zero vector is	**A. [0, 0, 0]** B. [1, 1, 1] C. [0, 1, 0] D. [0, 0, 1]
4	Question Image	A. $4x + 1$ **B. $4x$** C. $2x^3$ D. none of these
5	The expansion of $(1 + 2x)^{-2}$ is valed if	**A. $\|x\| < 1/2$** B. $\|x\| < 1$ C. $\|x\| < 2$ D. $\|x\| < 3$
6	Question Image	A. 2 B. -1 C. 8 **D. not defined**
7	$\int x \cos dx$ is equal to :	A. $x \cos x + \sin x$ B. $\cos x + x \sin x$ C. $x \cos x + x \sin x$ **D. $x \sin x + \cos x$**
8	If a,β are the roots of $ax^2+bx+c=0$,the equation whose roots are doubled is	A. $ay^2 +2by+c=0$ **B. $ay^2+2by+4c=0$** C. $ay^2+2by+c=0$ D. $ay^2+by+4c=0$
9	The towers each 120 meters high are 800 meters apart. The measure of the angle of elevation from the base of one tower to the top of the other is	A. $12°$ **B. $9°$** C. $7°$ D. $-120°$
10	Question Image	
11	Which one is quadrantal angle	A. 8181710° B. 2345° **C. -8181180°** D. -2344°
12	A non-terminating non_recurring decimal represents an	**A. Irrational no** B. Both a & c C. Rational no D. None of these
13	The set {0,-1} hold closure property under	A. Addition B. Both a & c C. Multiplication **D. None of these**
14	Question Image	A. 1/3 B. 1 **C. 3** D. None of these
		A. (180° -<i>θ)</i> B. (180° -<span style="font-family: "Times New Roman"; font-

#	Question	Options
15	Which one is a pair of allied angles	B. 180° + θ, (180° + θ) C. (180° + θ) D. None of these
16	If n∈Z+ then(a+x)n is a/an	A. Finite series B. Convergent series C. Infinite series D. Divergent series
17	Two quadratic equation in which xy term is missing and the coefficients of $x^2$and $y^2$are equal, give a linear equation by _____	A. Addition B. Subtraction C. Multiplication D. Division
18	The differential equations of all conis whose axes coincide with the co-ordinate axis is	
19	Question Image	C. 16 D. None of these
20	The set {{a,b}} is	A. Infinite set B. Singleton set C. Two points set D. None