Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The period of cot 8x is	A. $\pi/10$ B. $9\pi/7$ C. $\pi/9$ D. $\pi/8$
2	Question Image	A. ^nC_r B. $^{n+1}C_{r+1}$ C. $^nC_{r+1}$ D. None
3	Question Image	
4	{0} is a	A. Empty set B. Singleton set C. Zero set D. Null Set
5	Question Image	
6	The law of sines can be used to solve	A. Right angle triangle B. Isosceles triangle C. oblique triangle D. haxagon
7	Question Image	D. none of these
8	Question Image	
9	Question Image	A. cos x + c B. -sin x + c C. -cos x + c D. sin x + c
10	If S is a sample space and event set E =Φ then P(E) is	A. >0 B. 1 C. <1 D. 0
11	The element range of sequence are called	A. Series B. progression C. Members D. Terms
12	Question Image	A. - cot 4x + c B. cot 4x + c C. tan 4x + c D. - tan 4x + c
13	Find the geometric mean between 4 and 16	
14	Question Image	
15	Question Image	
16	Question Image	A. cosec x + c B. -cosec x + c C. -sec x + c D. sec x + c
17	(7, 9) + (3, -5) =	A. (4, 4) B. (10, 4) C. (9, -5) D. (7, 3)
18	The degree of differential equation is the power of the	A. Lowest order derivative B. Highest order derivative C. Integral D. All are correct
19	If a = 2i +2j, b= 3i -j and c=4i +5j, the 3b -a-2c =	A. -i -15j B. i-15j C. i-3j D. None of these

20	Which of the following statement is true?	A. A set is a collection of non-empty object
		B. A set is a collection of only numbers
		C. a set is any collection of things
		D. a set is well-defined collection of objects