ECAT Pre General Science Mathematics Chapter 19 Integration Online Test

Sr	Questions	Answers Choice
1	Question Image	A. Always negative B. Zero C. Always positive D. Infinity
2	Question Image	
3	Question Image	
4	Question Image	A. cos 2x + c B. - cos 2x + c C. tan 2x + c D. cot 2x + c
5	Question Image	A. sec 3x + c B. - cosec 3x + c
6	Question Image	
7	Question Image	C. x²+ 2x + c D. (x²+ 2x -1) ⁴+ c
8	Question Image	A. X = 100 sinθ B. X = 10 sinθ C. X = 100 secθ D. None of these
9	Question Image	
10	The area between the x-axis the curve y =4x-x2 is :	A. 32/2 B. 15 C. 18 D. 21
11	Question Image	A. 6x - 2 + c B. x³- x²+ x + c C. 6x - x²+ c D. 6x³- x²+ c
12	Question Image	
13	Question Image	
14	Question Image	
15	Question Image	A. A variable B. A constant C. 0 D. None of these
16	Question Image	
17	Question Image	
18	A point mass of 1/x dx is	A. 1/x² B. 1/-x²

18	An integral of 1/x dx is:	C. 1/lnx D. lnx
19	Question Image	
20	f(x)g(x)- ∫g(x) f′(x) dx is equal to	A. ∫f(x)g′(x)dx B. ∫f′(x)g(x)dx C. ∫f′(x)g(x)′dx D. ∫f(x)g(x)dx