ECAT Mathematics Chapter 19 Integration

Sr	Questions	Answers Choice
1	Question Image	A. Y = -x log x -x + c B. Y = x log x + x C. Y = x log x - x + c D. None of these
2	Question Image	
3	Question Image	
4	Question Image	
5	If the lower limit of an integral is a constant and the upper limit is a variable, then the integral is a	A. Constant function B. Variable value C. Function of upper limit D. All
6	Question Image	A. y + 1 = Ae^x B. y + 1 = Axe^x C. xe^x= C D. y + xe^x= C
7	Question Image	A. a sec(ax + b) + c B. - a sec(ax + b) + c
8	Question Image	
9	Question Image	A. cos 2x + c B. - cos 2x + c C. tan 2x + c D. cot 2x + c
10	Question Image	
11	Question Image	
12	An integral of 1/x dx is:	A. 1/x² B. 1/-x² C. 1/lnx D. lnx
13	Question Image	A. π B. π/6 C. -π/2 D. 2π
14	Question Image	
15	Question Image	
16	Question Image	
17	Question Image	

18	Question Image	
19	Question Image	A. 6x - 2 + c B. x³- x²+ x + c C. 6x - x²+ c D. 6x³- x²+ c
20	The set of all antiderivaties of f(= ∫f(x)dx) is the	A. Definite integral B. Indefinite integral C. Integral D. Area