ECAT (Pre-Eng) Mathematics Chapter 19 Integration

Sr	Questions	Answers Choice
1	Question Image	B. a f(x) + c C. f(x) + a
2	Question Image	A. cos x + c B. -sin x + c C. -cos x + c D. sin x + c
3	Question Image	
4	Question Image	B. sin 2x + c C. -sin 2x + c
5	Which of the following integrals can be evaluated	
6	Question Image	A. $x^3 - x^2 + x + c$ B. 6x - 2 + c C. $x^3 - 2x + c$
7	Question Image	A. a cos(ax + b) + c B. - a cos(ax + b) + c
8	∫ 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
9	Question Image	
10	Question Image	A. $1 + \tan^2 x + c$ B. tan x + c C. -tan x + c D. cot x + c
11	Question Image	A. 1 B. 2 C. 3 D. 4
12	Question Image	
13	The number of arbitrary constants in the general solution of a differential equation is equal to the different equation	A. Order B. Degree C. Variables D. All are correct
14	Question Image	B. $\ln(x^2 - x + 1)^4 + c$
15	Question Image	C. $x^2 + 2x + c$ D. $(x^2 + 2x - 1)^4 + c$
16	Question Image	
17	Question Image	
18	Question Image	
19	Question Image	A. a cot(ax + b) + c B. - a cot(ax + b) + c
20	Question Image	A. $e^x + c$ B. $e^{-x} + c$ C. $x e^x + c$ D. not possible