

ECAT Mathematics Chapter 19 Integration

Sr	Questions	Answers Choice
1	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
2	The differential equation of all st. lines which are at a constant distance to form the origin is	
3	Question Image	
4	Question Image	
5	Question Image	
6	$\int x \cos dx$ is equal to :	A. $x \cos x + \sin x$ B. $\cos x + x \sin x$ C. $x \cos x + x \sin x$ D. $x \sin x + \cos x$
7	Question Image	
8	Question Image	A. $5x^{>4} + c^{</sup>}$ B. $\frac{1}{6} x^{>6</sup>+ c}$ C. $5x^{>2</sup>+ c}$ D. $\frac{1}{5} x^{>6</sup>+ c}$
9	Question Image	
10	Question Image	
11	Question Image	A. $y + 1 = Ae^{>x</sup>}$ B. $y + 1 = Axe^{>x</sup>}$ C. $xe^{>x</sup>= C}$ D. $y + xe^{>x</sup>= C}$
12	The area bounded by $y = x(x^2 - 4)$ and below x - axis is	A. 4 B. 0 C. -4 D. 8
13	Question Image	
14	Question Image	
15	Question Image	
16	Question Image	
17	Question Image	
18	Question Image	A. $\sin x + c$ B. $-\sin x + c$ C. $\cos x + c$ D. $-\cos x + c$
19	Question Image	
20	Question Image	A. $a \tan(ax + b) + c$ B. $-a \tan(ax + b) + c$