

## ECAT Mathematics Chapter 19 Integration

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1 B. 2 C. 3 D. 4
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $4(x^{3/2} - 3x^{2/3})^{3/2} + c$ B. $3x^{2/3} - 6x + c$
3	The process of finding a function whose derivative is given is called a	A. Differentiation B. Integration C. Differential D. None
4	The differential equation of all st. lines which are at a constant distance to form the origin is	
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\cot x + c$ B. $\tan x + c$ C. $-\cot x + c$ D. $-\tan x + c$
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	B. $x^{-2} + c$ D. not possible
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $2x + 3$ B. $x^{2/3} + 3 + c$
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	C. $x^{2/3} + 2x + c$ D. $(x^{2/3} + 2x - 1)^{4/3} + c$
15	$\int x \sin^2 x \, dx$ is equal to:	A. $x \cot x + \ln \sin x $ B. $-x \cot x - \ln \sin x $ C. $x \cot x - \ln \sin x $ D. $x \tan x - \ln \sec x $
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
17	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
18	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
19	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\operatorname{cosec} x + c$ B. $-\operatorname{cosec} x + c$ C. $-\sec x + c$ D. $\sec x + c$
20	Question Image <input style="width: 500px; height: 20px;" type="text"/>	