

ECAT Mathematics Chapter 19 Integration

Sr	Questions	Answers Choice
1	The area enclosed between the graph $y = x^2 - 4x$ and the x- axis is:	A. 20/3 B. 41/3 C. 32/3 D. 25/3
2	$\int x \sin x dx$ is equal to:	A. $\sin x/x + \cos x$ B. $\sin x - \cos x/x$ C. $x \cos x + \sin x$ D. $-x \cos x + \sin x$
3	Question Image	
4	Question Image	A. $\sin x + c$ B. $-\sin x + c$ C. $\cos x + c$ D. $-\cos x + c$
5	Question Image	
6	Question Image	
7	Question Image	
8	Question Image	C. $\ln f(x) + c$ D. $f(x) - c$
9	Question Image	
10	The set of all antiderivatives of $f(= \int f(x)dx)$ is the	A. Definite integral B. Indefinite integral C. Integral D. Area
11	Question Image	
12	Question Image	
13	Question Image	A. $\cos x + c$ B. $-\sin x + c$ C. $-\cos x + c$ D. $\sin x + c$
14	The area between the x-axis the curve $y = 4x - x^2$ is :	A. 32/2 B. 15 C. 18 D. 21
15	Question Image	A. $a \cot(ax + b) + c$ B. $-a \cot(ax + b) + c$
16	Question Image	
17	Question Image	
18	Question Image	
19	Question Image	
20	$\sqrt[3]{8.6}$ is approximately equal to	A. 2.488 B. 2.48 C. 2.0488 D. 2.05