

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 <b style="color: green;">C. 32/3 D. 25/3
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $5x^4 + c$ <b style="color: green;">B. $\frac{1}{6} x^6 + c$ C. $5x^2 + c$ D. $\frac{1}{5} x^6 + c$
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	<b style="color: green;">A. 2, 3 B. 3, 3 C. 2, 6 D. 2, 4
5	$\int f(x)$ is known as:	A. Definite itegral <b style="color: green;">B. Indefinite integral C. Fixed integral D. Multiple integral
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
8	The approximate percentage increase in the volume of a cube if the length of its each edge changes from 5 to 5.02 is	<b style="color: green;">A. 1.2% B. 1.5% C. 0.16% D. 100.16%
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"/>	
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"/>	A. $\cos 2x + c$ B. $-\cos 2x + c$ C. $\tan 2x + c$ <b style="color: green;">D. $\cot 2x + c$
15	The area between the x-axis and the curve $y = x^2 + 1$ from $x = 1$ to 2 is:	A. 15/6 B. 15/4 C. 10/4 <b style="color: green;">D. 10/3
16	$\int x \sin x dx$ is equal to:	A. $\sin x/x + \cos x$ B. $\sin x - \cos x/x$ C. $x \cos x + \sin x$ <b style="color: green;">D. $-x \cos x + \sin x$
17	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
18	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 <b style="color: green;">C. Function of upper limit D. All
19	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
20	Question Image <input style="width: 500px; height: 20px;" type="text"/>	