

ECAT Pre General Science Mathematics Chapter 19 Integration Online Test

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	Question Image	A. $a \operatorname{cosec}(ax + b) + c$ B. $-a \operatorname{cosec}(ax + b) + c$
4	Question Image	A. $a \sec(ax + b) + c$ B. $-a \sec(ax + b) + c$
5	Question Image	A. $a \cot(ax + b) + c$ B. $-a \cot(ax + b) + c$
6	Question Image	A. $a \tan(ax + b) + c$ B. $-a \tan(ax + b) + c$
7	Question Image	A. $a \sin(ax + b) + c$ B. $-a \sin(ax + b) + c$
8	Question Image	A. $a \cos(ax + b) + c$ B. $-a \cos(ax + b) + c$
9	Question Image	
10	Question Image	
11	Question Image	
12	Question Image	A. $5x^{\frac{4}{5}} + c$ B. $\frac{1}{6} x^{\frac{6}{5}} + c$ C. $5x^{\frac{2}{5}} + c$ D. $\frac{1}{5} x^{\frac{6}{5}} + c$
13	Question Image	
14	Question Image	
15	Question Image	
16	Question Image	
17	Question Image	B. $x^{-\frac{2}{3}} + c$ D. not possible
18	Question Image	B. $a^{\frac{x}{a}} \ln a + c$ C. $a^{\frac{x}{a}} + c$ D. $x a^{\frac{x}{a}} + c$
19	Question Image	A. $e^{\frac{x}{e}} + c$ B. $e^{\frac{x}{e}} - c$ C. $x e^{\frac{x}{e}} + c$ D. not possible
20	Question Image	A. $\operatorname{cosec} x + c$ B. $-\operatorname{cosec} x + c$ C. $-\sec x + c$ D. $\sec x + c$
21	Question Image	A. $\operatorname{cosec} x + c$ B. $-\operatorname{cosec} x + c$ C. $-\sec x + c$ D. $\sec x + c$
22	Question Image	A. $\cot x + c$ B. $\tan x + c$ C. $-\cot x + c$ D. $-\tan x + c$
23	Question Image	A. $1 + \tan^2 x + c$ B. $\tan x + c$ C. $-\tan x + c$ D. $\cot x + c$

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Question Image

- A. $\sin x + c$
B. $-\sin x + c$
C. $\cos x + c$
D. $-\cos x + c$

25

Question Image

- A. $\cos x + c$
B. $-\sin x + c$
C. $-\cos x + c$
D. $\sin x + c$

26

Question Image

27

Question Image

28

Question Image

29

Question Image

- A. $6x - 2 + c$
B. $x^3 - x^2 + x + c$
C. $6x - x^2 + c$
D. $6x^3 - x^2 + c$

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Question Image

- B. $6x + 2 + c$
C. $6x + x^2 + c$
D. $6x^3 + x^2 + x$