

Mathematics ECAT Pre Engineering Online Test

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. $3 \sec^2 x$ B. $3 \sec^2 x \tan^3 x$ C. $\sec^2 x \tan^3 x$ D. $\sec^2 x$
3	Question Image	A. $\cos 2x$ B. $2 \cos 2x$ C. $2 \sin 2x$ D. $-2 \cos 2x$
4	Question Image	D. none of these
5	Question Image	D. none of these
6	Question Image	D. none of these
7	Question Image	
8	Question Image	
9	Question Image	A. 100 B. 99 C. 0 D. none of these
10	Question Image	A. x^3 B. $3x^2$ C. $3x$ D. 3
11	Question Image	A. 0 B. -1 C. 1 D. not defined
12	Question Image	A. 0 B. -1 C. 1 D. not defined
13	Question Image	
14	Question Image	
15	Question Image	A. 0 B. -1 C. 1 D. -2
16	Question Image	A. 0 B. -1 C. 1 D. 2
17	Question Image	A. 0 B. -1 C. 1
18	Question Image	
19	Question Image	A. 0 B. -1 C. 1 D. $1/2$
20	Question Image	A. $\cos x$ B. $\sec x \tan x$ C. $\sec^2 x$ D. $-\operatorname{cosec}^2 x$

21	Question Image	A. $\sec x \tan x$ B. $-\operatorname{cosec} x \cot x$ C. $\sec^2 x$ D. $-\sin x$
22	Question Image	A. $-\operatorname{cosec}^2 x$ B. $-\sec^2 x$ C. $-\operatorname{cosec} x \cot x$ D. $\operatorname{cosec} x$
23	Question Image	A. $\sec x \tan x$ B. $\cos^2 x$ C. $\sin^2 x$ D. $\sec^2 x$
24	Question Image	
25	Question Image	A. $-\cos x$ B. $\sin x$ C. $-\sin x$ D. $\sec x$
26	Question Image	A. $\cos x$ B. $-\sin x$ C. $-\cos x$ D. $\tan x$
27	Question Image	
28	Question Image	A. $100x^{99}$ B. $100x^{101}$ C. $-99x^{99}$ D. $-100x^{101}$
29	Question Image	D. none of these
30	Question Image	