

## ECAT Pre Engineering Entry Test

Sr	Questions	Answers Choice
1	Question Image	A. 3 sec <sup>2</sup> x B. 3 sec <sup>2</sup> 3x C. sec <sup>2</sup> 3x D. sec <sup>2</sup> x
2	Question Image	A. cos 2x B. 2 cos 2x C. 2 sin2x D2 cos2x
3	Question Image	D. none of these
4	Question Image	D. none of these
5	Question Image	D. none of these
6	Question Image	
7	Question Image	
8	Question Image	A. 100 B. 99 C. 0 D. none of these
9	Question Image	A. x <sup>3</sup> B. 3x <sup>2</sup> C. 3x D. 3
10	Question Image	A. 0 B1 C. 1 D. not defined
11	Question Image	A. 0 B1 C. 1 D. not defined
12	Question Image	
13	Question Image	
14	Question Image	A. 0 B1 C. 1 D2
15	Question Image	A. 0 B1 C. 1 D. 2
16	Question Image	A. 0 B1 C. 1
17	Question Image	
18	Question Image	A. 0 B1 C. 1 D. 1/2
19	Question Image	A. cos x  B. sec x tan x  C. sec <sup>2</sup> x  Dcosec <sup>2</sup> x
20	Question Image	A. sec x tan x  Bcosec x cot x  C. sec <sup>2</sup> x

		υsın x
21	Question Image	Acosec <sup>2</sup> x Bsec <sup>2</sup> x C cosec x cot x D. cosec x
22	Question Image	A. sec x tan x B. cos <sup>2</sup> x C. sin <sup>2</sup> x D. sec <sup>2</sup> x
23	Question Image	
24	Question Image	A cos x B. sin x C sin x D. sec x
25	Question Image	A. cos x B sin x C cos x D. tan x
26	Question Image	
27	Question Image	A. 100x <sup>99</sup> B. 100x <sup>101</sup> C99x <sup>99</sup> D100x <sup>101</sup>
28	Question Image	D. none of these
29	Question Image	
30	Question Image	A. x <sup>39</sup> B. 40x <sup>39</sup> C. 40x <sup>41</sup> D. none of these