ECAT Mathematics Chapter 19 Integration Online Test

Sr	Questions	Answers Choice
1	Question Image	A. π B. π/6 C. -π/2 D. 2π
2	Question Image	A. 0 B. 1 C. 2 D. 4
3	Question Image	A. Always negative B. Zero C. Always positive D. Infinity
4	If the graph of f is entirely below the x-axis, then the value of definite integral is	A. = 0 B. < 0 C. > 0 D. None
5	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 C. Function of upper limit D. All
6	The arbitrary constants involving in the solution can be determined by the given conditions. Such conditions are called	A. Boundaries B. Variable separable C. Initial values D. None
7	Question Image	A. Y = -x log x -x + c B. Y = x log x + x C. Y = x log x - x + c D. None of these
8	Question Image	
9	Question Image	
10	Question Image	A. X = 100 sinθ B. X = 10 sinθ C. X = 100 sec<span style="font-family: "Times New Roman"; font-size: 24px; color: rgb(34, 34, 34); text-align: center;

		background-color: rgb(255, 255, 248);">θ D. None of these
11	Question Image	A. A variable B. A constant C. 0 D. None of these
12	Question Image	
13	Question Image	
14	Which of the following integrals can be evaluated	
15	Question Image	
16	Question Image	
17	Question Image	
18	Question Image	A. y + 1 = Ae^x B. y + 1 = Axe^x C. xe^x= C D. y + xe^x= C
19	Question Image	
20	The differential equation of all st. lines which are at a constant distance to form the origin is	
21	The differential equations of all conis whose axes coincide with the co-ordinate axis is	
22	The differential equation representing the family of curves y = A cos (x + B), where A, B are parameters, is	
23	Question Image	A. 1 B. 2 C. 3 D. 4
24	Question Image	A. 1 B. 2 C. 3 D. 4
25	Te order of the differential equation of all conics whose axes coincide with the axes of co-ordinates is	A. 2 B. 3 C. 4 D. 1
26	Question Image	A. 2, 3 B. 3, 3 C. 2, 6 D. 2, 4
27	Question Image	
28	Question Image	
29	Question Image	
30	Question Image	