ECAT Mathematics Chapter 19 Integration

Sr	Questions	Answers Choice
1	Question Image	A. X = 100 sinθ B. X = 10 sinθ C. X = 100 secθ D. None of these
2	Question Image	A. x³- x²+ x + c B. 6x - 2 + c C. x³- 2x + c
3	Question Image	A. y + 1 = Ae^x B. y + 1 = Axe^x C. xe^x= C D. y + xe^x= C
4	Question Image	
5	Question Image	
6	Question Image	A. sec 3x + c B. - cosec 3x + c
7	∫x sin xdx is equal to:	A. sin x/x + cos x B. sin x - cos x/x C. x cos x + sin x D. - x cos x + sin x
8	The area under the curve $y = 1/x^2$ between x = 1 and x =4 is:	A. -25 B. 0.75 C. -0.35 D. -10
9	Question Image	
10	Question Image	
11	Question Image	
12	Which of the following integrals can be evaluated	
13	Question Image	
14	Question Image	B. a f(x) + c C. f(x) + a
15	Question Image	A. 2x + 3 B. x²+ 3 + c
16	Question Image	
17	Question Image	A. Always negative B. Zero C. Always positive D. Infinity
18	Question Image	
		A. <span style="color: rgb(34, 34, 34); font-family: "Times New

19	Question Image	Roman"; font-size: 24px; text-align: center; background-color: rgb(255, 255, 224);">π B. π/6 C. -π/2 D. 2π
20	∛8.6 is approximately equal to	A. 2.488 B. 2.48 C. 2.0488 D. 2.05