ECAT Mathematics Chapter 19 Integration

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	Question Image	
4	Question Image	
5	The set of all antiderivatives of f(= ∫f(x)dx) is the	A. Definite integral B. Indefinite integral C. Integral D. Area
6	∫ x cos dx is equal to :	A. x cos x + sin x B. cos x + x sin x C. x cos x + x sin x D. x sin x + cos x
7	An integral of 1/x dx is:	A. $1/x^2$ B. $1/-x^2$ C. 1/lnx D. lnx
8	Question Image	
9	Question Image	B. 6x + 2 + c C. $6x + x^2$+ c D. $6x^3$+ x^2+ x
10	Question Image	
11	Question Image	B. x^{-2}+ c D. not possible
12	The area between the x-axis the curve y =4x-x2 is :	A. 32/2 B. 15 C. 18 D. 21
13	f(x)g(x)- ∫g(x) f'(x) dx is equal to	A. ∫f(x)g'(x)dx B. ∫f'(x)g(x)dx C. ∫f'(x)g(x)'dx D. ∫f(x)g(x)dx
14	Question Image	
15	Question Image	
16	Which of the following integrals can be evaluated	
17	The approximate increase in the area of a circular disc if its diameter increased form 44cm to 44.4cm is	A. 0.4cm B. 8.8πcm C. 17.6 πcm D. 35.2πcm
18	Question Image	
19	Question Image	A. a cos(ax + b) + c B. - a cos(ax + b) + c
20	Question Image	A. e^x+ c B. e^{-x}+ c C. x e^x+ c D. not possible