ECAT Pre General Science Mathematics Chapter 19 Integration Online Test

Sr	Questions	Answers Choice
1	Question Image	A. 2x + 3 B. x^2 + 3 + c
2	Question Image	
3	Question Image	D. none of these
4	The process of finding a function whose derivative is given is called a	A. Differentiation B. Integration C. Differential D. None
5	The set of all antiderivaties of f(= $\int$f(x)dx) is the	A. Definite integral B. Indefinite integral C. Integral D. Area
6	The function ø(x) is ananti derivativeof function f (x),x∈Df if	A. ø'(x) =$\int$f(x)dx B. ø(x) =$\int$f(x)dx C. ø'(x) =f(x) D. ø(x) =$\int$'(x)dx
7	The number of arbitrary constants in the general solution of a differential equation is equal to the different equation	A. Order B. Degree C. Variables D. All are correct
8	The approximate percentage increase in the volume of a cube if the length of its each edge changes from 5 to 5.02 is	A. 1.2% B. 1.5% C. 0.16% D. 100.16%
9	$\sqrt[3]{8.6}$ is approximately equal to	A. 2.488 B. 2.48 C. 2.0488 D. 2.05
10	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
11	f(x)g(x)- $\int$g(x) f'(x) dx is equal to	A. $\int$f(x)g'(x)dx B. $\int$f'(x)g(x)dx C. $\int$f'(x)g(x)'dx D. $\int$f(x)g(x)dx
12	The area bounded by y = x ($x2$ - 4) and below x - axis is	A. 4 B. 0 C. -4 D. 8
13	Archimedes approximate the function by horizontal function and the area under f by the sum of small	A. Parallelograms B. Squares C. Retangles D. Polygons