FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image	A. integration by parts B. definite integral C. Differentation D. None of these
2	If the graph of f is entirely below the x-axis, then the definite integral is:	A. Positive B. Positive or negative C. Negative D. Positive and negative
3	If the graph of f is entirely above the x-axis, then the definite integral is _____:	A. Positive B. Positive or negative C. Negative D. Positive and negative
4	Question Image	A. 36 B. 42 C. 48 D. 12
5	Question Image	A. domain B. range C. lower limit D. upper limit
6	Question Image	A. domain B. range C. lower limit D. upper limit
7	If the lower limit is a constant and the upper limit is a variable, then the integral is a function of:	A. x B. y C. lower limit D. upper limit
8	If the upper limit is a constant and the lower limit is a variable, then the integral is a function of:	A. x B. y C. lower limit D. upper limit
9	Question Image	A. Integration by parts B. Definite integral C. Differentiation D. None of these
10	Question Image	A. $e^{2x} \sin x + c$ B. $e^{2x} \cos x + c$ C. $-e^{2x} \sin x + c$ D. $-e^{2x} \cos x + c$
11	Question Image	A. $e^{-x} \sin x + c$ B. $-e^{-x} \sin x + c$ C. $e^{-x} \cos x + c$ D. $-e^{-x} \sin x + c$
12	Question Image	A. e^{ax} B. $f(x)$ C. $e^{ax} f(x)$ D. $e^{ax + f(x)}$
13	Question Image	A. ln |sin x| B. - ln |sin x| C. ln |cos x| D. -ln |cos x|
14	Question Image	A. ln |sec x + tan x | + c B. ln |cosec x - cot x | + c C. ln |sec x - tan x | + c D. ln |cosec x + cot x | + c
15	Question Image	A. ln |sec x + tan x | + c B. ln |cosec x - cot x | + c C. ln |sec x - tan x| + c D. ln |cosec x + cot x | + c

16	Question Image	A. f(x) B. ln |f(x)| C. f'(x) D. ln |f'(x)|

17	Question Image	A. a cosec (ax + b) D. cot (ax + b)

18	Question Image

19	Question Image

20	Question Image