

FA Part 2 Mathematics Chapter 2 Test Online

| Sr | Questions | Answers Choice |
|----|--|--|
| 1 | Question Image | A. x with respect to y B. y with respect to y C. y with respect to x D. x with respect to x |
| 2 | Question Image | A. $-\operatorname{cosec} x \cot x$ B. $\operatorname{cosec}^2 x$ C. $-\operatorname{cosec}^2 x$ D. $\operatorname{cosec} x \cot x$ |
| 3 | Question Image | |
| 4 | Question Image | A. $\sec x \tan x$ B. $-\sec^2 x$ C. $-\sec x \tan x$ D. $\sec^2 x$ |
| 5 | Question Image | A. $\operatorname{sech} x \tanh x$ B. $-\operatorname{sech} x \tanh x$ C. $\operatorname{sech}^2 x$ D. $-\operatorname{sech}^2 x$ |
| 6 | Question Image | |
| 7 | Question Image | |
| 8 | Question Image | A. $x = a$ B. $x = 2$ C. $x = 0$ D. None |
| 9 | Question Image | A. $\operatorname{sech} x \tanh x$ B. $-\operatorname{sech}^2 x$ C. $-\operatorname{sech} x \tanh x$ D. $\operatorname{sech}^2 x$ |
| 10 | Question Image | A. $\sin x$ B. $\cos x$ C. $-\sin x$ D. $-\cos x$ |
| 11 | Question Image | A. $\sin x$ B. $-\cos x$ C. $-\sin x$ D. $\cos x$ |
| 12 | Question Image | A. $\tan x$ B. $\cot x$ C. $-\tan x$ D. $-\cot x$ |
| 13 | Question Image | A. $2\cosh x$ B. $2\sinh x$ C. $2\sinh(2x)$ D. $-2\sinh(2x)$ |
| 14 | Question Image | |
| 15 | Question Image | A. $-\operatorname{cosec}^2 x$ B. $\operatorname{cosec}^2 x$ C. $-\operatorname{cosec} x \cot x$ D. $\operatorname{cosec} x \cot x$ |
| 16 | Question Image | |
| 17 | The instantaneous rate of change of y with respect to x is given by: | |
| 18 | The function $f(x) = 3x^2$ has minimum value at : | A. $x = 3$ B. $x = 2$ C. $x = 1$ D. $x = 0$ |
| 19 | Question Image | |

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Question Image

- A. $x = a$
- B. $x = 2$
- C. $x = 0$
- D. None