



FA Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	A function $P(x) = 6x^4 + 7x^3 + 5x + 1$ is called a polynomial function of degree ----- with leading coefficient -----.	A. 4, 6 B. 2, 7 C. 2, 3 D. 2, 5
2	Let $f(x) = x^3 + \sin x$, then $f(x)$ is:	A. Even function B. Odd function C. Power function D. None of these
3	<input type="text" value="Question Image"/>	A. 4, -4 B. 0 C. 2, -2 D. 0, 4
4	<input type="text" value="Question Image"/>	A. $f(x ² + 1)$ B. $f(x)$ D. $f(x ²)$
5	<input type="text" value="Question Image"/>	A. $\sin x$ B. $\cos x$ C. $\sinh x$ D. $\cosh x$
6	<input type="text" value="Question Image"/>	A. Continuous at $x = 1$ B. Not continuous at $x = 1$ C. Both a and b D. none
7	<input type="text" value="Question Image"/>	
8	<input type="text" value="Question Image"/>	A. 1 B. 2 C. 3 D. 4
9	Every relation, which can be represented by a linear equation in two variables, represents a:	A. Graph B. Function C. Cartesian product D. Relation
10	The linear function $f(x) = ax + b$ is an identity function if:	A. $a = 0, b = 1$ B. $a = 1, b = 0$ C. $a = 1, b = 1$ D. $a = 0, b = 1$
11	Let $f(x) = x^2$, real valued function then domain of f is the set of all:	A. Real numbers B. Integers C. Positive numbers D. Natural numbers
12	A function, in which the variable appears as exponent (power), is called a / an ----- function.	A. Constant B. Explicit C. Exponential D. Inverse
13	If $y = f(x)$, then the variable x is called ----- variable of a function f .	A. Dependent B. Independent C. Image of y D. None of these
14	The range of the function $f(x) = x $	
15	$f(x) = x \sec x$, then $f(0) =$	A. -1 B. 0 C. 1
16	Which one is an exponential function ?	
17	<input type="text" value="Question Image"/>	A. Even B. Odd C. One-one D. Zero
		A. Constant

- 18 If x and y are so mixed up and y cannot be expressed in terms of the independent variable x , then y is called a/an ---- function of x .
- A. Constant
B. Explicit
C. Implicit
D. Inverse
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- 19 
- A. Constant
B. Implicit
C. Identity
D. Inverse
-
- 20 
- A. Line
B. Parabola
C. Ellipse
D. Hybperbola