

FSC Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. 1 C. e D. Does not exist
2	Which one is a constant function ?	A. $f(x) = x^{>2}$ B. $f(x) = x$ C. $f(x) = x + 1$ D. $f(x) = 14$
3	$\cosh^2 x + \sinh^2 x =$	A. $\cosh x^{>2}$ B. $\cosh 2x$ C. $\sinh 2x$ D. $\tanh 2x$
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Continuous at $x = 1$ B. Not continuous at $x = 1$ C. Both a and b D. none
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Even B. Odd C. One-one D. Zero
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Constant B. Implicit C. Identity D. Inverse
7	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
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 4 B. Does not exist
9	Which one is not an exponential function ?	
10	If a variable y depends on a variable x in such a way that each value of x determines exactly one value of y , then y is a _____ of x .	A. Independent variable B. Not function C. Function D. None of these
11	Let $f(x) = x^2$, then range of f is the set of all:	A. Real numbers B. Non-negative real numbers C. Non-negative integers D. Complex numbers
12	Which one is an identity function ?	B. $f(x) = g(x)$ C. $f(x) = x$ D. $f(x) = 1$
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
14	A function, in which the variables are _____ numbers, then function is called a real valued function of real numbers.	A. Complex B. Rational C. Real D. None of these
15	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. $a = 0, b = 1$
16	The symbol $y = f(x)$ i.e. y is equal to f of x , invented by Swiss mathematician-----:	A. Euler B. Cauchy C. Leibniz D. Newton
17	$x = 3 \cos t, y = 3 \sin t$ represent	A. Line B. Circle C. Parabola D. Ellipse

18 If a function f is from a set X to a set Y , then set X is called the _____ of f :

- A. Domain
- B. Range
- C. Co-domain
- D. None of these

19 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

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- A. 1
- B. 2
- C. 3
- D. 4