

FSC Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	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
2	Question Image	A. Constant B. Implicit C. Identity D. Inverse
3	Which one is a constant function ?	A. $f(x) = x^2$ B. $f(x) = x$ C. $f(x) = x + 1$ D. $f(x) = 14$
4	If the degree of a polynomial function is -----, then it is called a linear function:	A. 0 B. 1 C. 2 D. 3
5	Let $f(x) = x^2 + 3$, then domain of f is:	A. Set of all integers B. Set of natural numbers C. Set of real numbers D. Set of rational numbers
6	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
7	The range of the function $f(x) = x $	
8	Question Image	A. R B. $R - \{2\}$ C. $R - \{2, -2\}$ D. $R - \{-2\}$
9	Question Image	A. 4, -4 B. 0 C. 2, -2 D. 0, 4
10	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
11	Question Image	A. 0 B. 2 C. 1 D. 3
12	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
13	Question Image	A. $f(x^2 + 1)$ B. $f(x)$ D. $f(x^2)$
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	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
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. ...

D. Newton

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The term function was introduced by:

- A. Euler
- B. Newton
- C. Lagrange
- D. Leibniz