1. Introduction.

The word 'Continuous' means without any break or gap. If the graph of a function has no break, or gap or jump, then it is said to be continuous.

A function which is not continuous is called a discontinuous function.

While studying graphs of functions, we see that graphs of functions $\sin x$, x, $\cos x$, e^x etc. are continuous but greatest integer function [x] has break at every integral point, so it is not

continuous. Similarly tan x, $\cot x$, $\sec x$, $\frac{1}{x}$ etc. are also discontinuous function.

