

D. S. VIKHAR
SEHGAL

Roll No:.....

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- February 2019

B.Tech CSE/IT VIII Semester

COURSE CODE: 18B1WCI831

MAX. MARKS: 15

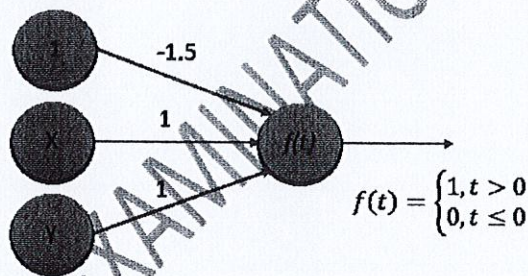
COURSE NAME: DEEP LEARNING

COURSE CREDITS: 03

MAX. TIME: 1Hr

Note: All questions are compulsory. Each question carries equal marks. Carrying of mobile phone during examinations will be treated as case of unfair means.

- (a) What is the difference between Conventional Computers and Neural Networks.
(b) How do our brains work? Draw a schematic description of biological neuron and artificial neuron.
- Consider a single Perceptron with weights as shown in the Figure:



Which of following problem can be solved by this single Perceptron model:

- AND
 - OR
 - XOR
- (a) Draw and explain the Multilayer Neural Network with its abbreviated Notation
(b) Draw and explain the Following activation functions
 - Sigmoid or Logistic
 - Tanh—Hyperbolic tangent