COURSE CODE (CREDITS): 18B1WCI742 (2)   MAX. MARKS: 25

COURSE NAME: Artificial Intelligence

COURSE INSTRUCTORS:GVS   MAX. TIME: 1 Hour 30 Minutes

Note: (a) All questions are compulsory.

(b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

Q.No	Question	CO	Marks
Q1	Show that a single neuron is functionally complete.	CO-3	6
Q2	Write equations of Adam and explain its various parameters involved in those. Explain the purpose of bias-correction.	CO-3	10
Q3	What is alpha-beta pruning? Explain with an example.	CO-4	4
Q5	Explain min-max algorithm and how it is different from alpha-beta pruning?	CO-4	5