


Faculty of Engineering

School of Computing and IT

Department of CSE

V SEM. B.Tech.

Odd Semester Mid Term-I Examination 2021-22

CS3101 Artificial Intelligence & Soft Computing

Time:
MAX.MARKS: 20
Instructions to Candidates

- All assumptions and dependencies should be clearly stated
- Problem should be precisely defined

Q. No.	Question Script	Marks	CO Mapping
1	Identify suitable problem related to Manipal University Jaipur. With reference to the identified problem answer the following:	3	CO1
A)	Define its Environment and State Space for the problem	5	CO1
B)	Choose and apply most efficient search algorithm in the given scenario	5	CO2
C)	Give example of possible heuristic for the given problem. How heuristic can be used to solve this problem	5	CO2
D)	Demonstrate knowledge representation by taking an example from the defined problem and convert into propositional logic.	2	CO3

[Hint: Find the shortest path to reach cafeteria from the MUJ gate.

PS: Hint can not be taken as problem or part of problem]

*****All the Best*****