Name: _____   Student ID: _____

Indian Institute of Technology
Jammu Class Test 1
UG + PG Even Semester
February 15, 2024

Course Title: Artificial Intelligence(AI)   Maximum   Time: 1   Hrs
Course Code: CSL020U4E   Maximum Marks: 10

Instructions:

- Conditions of Examination: Closed book; No dictionary; Non-programmable calculator is allowed.
- This question paper contains total of 2 Questions.

1. [6]
You have to design an approach for the computer to play a snake ladder game on ludo board (10 × 10 size) in a minimum number of steps. Represent the problem as a graph search problem by defining the notion of vertices, edges and constraints, if any. Also, comment on the size of state space.

2. [4]
Perform the PEAS analysis of an autonomous Electrical Vehicle.