Assignment Artificial Intelligence 2023 V sem

Students have to create contents in own words on topics given below. There should not be copy and paste. Along with assignment , you have to submit plagiarism report. Assignment should be uploaded in word form. Assignment has to be submitted once . names and roll number of all participants must be written. If required add editable diagrams. No copy paste of contents and diagrams.

S.No	Roll No	**Topic**
1.	1-3	**Introduction to Artificial Intelligence** Inderstanding AI: Definition and Scope
2.	4-6	Historical Development of Artificial Intelligence
3.	7-10	AI : Problems and Techniques
4.	11-13	Areas of Artificial Intelligence
5.	14-16	**Problem Solving Methods and Search Strategies** ● Introduction
6.	17-19	● State Space Representation
7.	20-22	● Problem Characteristics
8.	23-25	● Production System & Control Strategies
9.	26-28	● **Informed and uninformed Search** ● Generate & Test Method
10.	29-31	● Hill Climbing Method
11.	32-34	● Best First Search & A* Search
12.	35-37	● Means End Analysis
13.	38-40	● Problem Reduction & AO* Algorithm
14.	41-43	● Constraint Satisfaction
15.	44-46	. **Knowledge Representation** ● Ontologies, Objects, Events
16.	47-49	● Representations & Mappings
17.	50-52	● Using Predicate Logic ● Representing facts in logic
18.	53-55	Using Predicate Logic ● Computable functions & predicate

	56-58	● Using predicate logic Resolution Algorithm and deduction
20.	59-61	● Using predicate logic Resolution Algorithm Case study
21.	62-64	● Forward Vs Backward Chaining ●
22.	65-67	● Slot & Filler Structures
23.	68-70	● Issues in Knowledge Representations & Case Studies
24.	71-73	● Knowledge Representation Case study
25.	74-76	● Knowledge Representation Case study
26.	77	● Knowledge Representation Case study