

Subject: AI

Assignments Questions (from Unit 1, 2)

(Unit 3 Assignments will be given on Monday)

Set-1: Short Answers (in 5 to 15 lines)

1. What are the different types of AI based on capabilities
2. What are the different types of AI Problems
3. Write briefly about the Uninformed Search Strategies
4. Write about AI Problem characteristics
5. Write about different AI techniques
6. What are the different variants of Hill Climbing Algorithm
7. What are the different issues in the design of Search Programs
8. Write some applications of A* Algorithm

Set-2: Long Answers (20 to 40 lines)

1. Write about Production Systems - components, control strategies & categories
2. Explain about the different terms associated with "Defining the problem in a State Space Search"
3. Explain about A* Algorithm in Detail

IMP INSTRUCTIONS

Please write down this assignment in a **separate notebook** (AI Assignments book) and show/submit them on Monday (13th October 2025).

Internal Marks allocation would be based on

- a) Completed classroom Notes
- b) Completed Assignment