

➤ Chapter 1:

- a. What is artificial intelligence? What are the types?
- b. Explain in detail different AI techniques for solving problems.
- c. What is turing test? Explain in detail.
- d. Explain the different types of tasks domain in AI.
- e. Explain in detail the water jug problem with algorithm
- f. What is search, search spaces and types of search.
- g. What is 8 puzzle problem?

➤ Chapter 2 & 3:

- a. Differentiate informed and uninformed search
- b. What is the problem, problem space, how you define a problem as a state space search?
- c. What is BFS? Explain with algorithm.
- d. What is DFS? Explain with algorithm.
- e. What is heuristic search? Explain using algorithm.
- f. Explain two types of Hill climbing algorithm?
- g. What are the applications of AI?