



## SECTION B

2. What do you understand about Bellman equations in the context of reinforcement learning?
3. What are some applications for reinforcement learning algorithms?
4. How AI handles reasoning under uncertainty. Explain with example.
5. "*An incomplete AI problem is inconsistent.*" Is this statement true? Give reasons for your answer.
6. What are the situations when both forward and backward chaining can be used? Give an example where both and one of them are used.

## SECTION C

7. What are the main differences between supervised learning and reinforcement learning?
8. What are the characteristics of an AI problem? Discuss with the help of travelling salesman problem.
9. What are the various heuristic techniques? Discuss with an example.