20IT5205A::Artificial Intelligence imp questions

UNIT-1:CO1

1. Explain about the applications of Artificial Intelligence.

2. Explain about the Probability Theory.

3. How do you represent knowledge in an uncertain domain(explain about wumpus world).

4. Construct complete CSP (all concepts, techniques) using Color graph problem.

5. Breifly explain the semantics of Bayesian networks.

6. Explain about the knowledge based agents.

7. Difference btw Propositional logic and First order logic.

8.Briefly explain about Propositional logic and First order logic.

9.Some English sentences converted to First order and propositional logic(practice).

UNIT-2:CO2

1.How to learn from observations.

2.Write about different types of learning from observations.

3.Why learning works.

4. Learning decision trees(completely).

5. Explain about learning with complete data.

6. Breifly explain the semantics of Bayesian networks.

7. Derive the Bayesian rule and its use(any application).

8. How do you represent knowledge in an uncertain domain(explain about wumpus world and any application).

UNIT-3:CO3

1. How and explain the raise of chatbots.
2. Explain about architecture of virtual assistant.
3. Brainstorm some examples of how NLP can be used.
4. What is a Chatbot? Describe the process of how to build a chatbot.

5. State how do chatbots guarantee the future of digital marketing?
6. Discuss the working principal of Audiobots in detail.
7. Describe the strategies for actually implementing NLP in an application.
8. Write about the Natural language processing (NLP) Components
9. Explain about audio bots and MUSIC bots.
10. Explain about components of NLP.
11. Briefly explain applications of NLP.
12. 8. How to use NLP for any application.
13. 8. How to use NLP for any application.

UNIT-4:CO4

1. Explain about the reinforcement learning.
2. Explain about the action value function.
3. Explain about the Agents and environment.
4. Explain about the game playing (for any application AlphaGo, Deep blue chess, IBM Watson in Jeopardy).
5. How do you build game playing for any application?
6. Explain about DRL for any application.