

Anna University – Regulation 2013

Part – B Important Questions – 6 th Semester BE/BTECH

CS6659 ARTIFICIAL INTELLIGENCE

UNIT I-V

1. Explain in detail about Uninformed Search and Informed Search Strategies.
2. Explain in detail about AO* and A* algorithm with an example.
3. Discuss in detail about Constraints Satisfaction Problem and solve CROSS+ROAD=DANGER using crypt arithmetic algorithm.
4. Solve any Real world/Toy Problem using production rules and explain how searching takes place using control strategies.
5. Explain in detail about Local Search algorithm.
6. Explain in detail about Resolution with an example.
7. Explain the steps needed for Knowledge engineering Process in predicate logic.
8. Explain in detail about Knowledge Representation using predicate logic and other logic.
9. Explain in detail about Introduction to predicate logic and uses of predicate logic.
10. Explain the following search strategies. (a)Min-Max search procedure. (b)Alpha beta Pruning Algorithm.
11. Explain the method of handling approximate inference in Bayesian networks and Dempster Shafer Theory..
12. Describe the forward chaining and backward chaining algorithm with suitable example.
13. Explain in detail about production and Frame based system .
14. Discuss in detail about Fuzzy Reasoning with Real time examples.
15. Explain the concept of learning using decision tree and neural network approach.
16. Explain the concept of about Planning Algorithm with Suitable example.
17. Discuss the following (a)Passive reinforcement learning (b)Active reinforcement learning
18. Explain in detail about adaptive learning methods and Machine Learning algorithm with example
19. Discuss in detail about STRIPS and R-STRIPS algorithm for block world problem.
20. Discuss briefly about the Typical Expert System MYCIN, DART, XCON in detail.
21. Explain in detail about Expert system architecture and shells..
22. Explain in detail about Knowledge Acquisition and Meta-Knowledge in expert system.

***** All the Best for Exams *****



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