

Anna University – Regulation 2013

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

CS6659 ARTIFICIAL INTELLIGENCE

UNIT I-V

1. List the steps involved in simple problem solving agent. And define it.
2. Define Ideal Rational agents?
3. List the properties of task environments.
4. List the criteria to measure the performance of different search strategies. (Nov Dec 2015)
5. What are the components of well-defined problems?
6. What is heuristic search strategy? And Explain significance of heuristic function? (NOV 2011)
7. How can we avoid ridge and plateau in hill climbing? (Nov/Dec2012)
8. Define the effect of heuristics accuracy on performance (Nov/Dec 2013)
9. List some of the rules of inference?
10. What are the components of Propositional Logic?
11. Define Logic
12. Define atomic sentence and complex sentence (Nov/Dec2014)
13. What is Bayesian Networks? (May /June 2016)
14. What do you mean hybrid Bayesian Network and Bayes rule?
15. Bayes rule
16. List out the methods which are used to overcome the limitations of bayes rule?
17. List down the applications of Bayesian Nework?
18. Define uncertainty? How it is solved? (Nov Dec 2014)
19. What are the characteristics of partial order planer? (Nov/Dec 2012) & define partial order planner (April/May 2015)
20. Define Inductive learning, supervised learning and unsupervised learning.
21. What is Meta knowledge? How Meta knowledge is represented in rule based expert systems?
22. Write any four earliest expert systems?
23. What are the Problem Areas Addressed by Expert Systems
24. What are the Benefits of Expert Systems

PART- B

1. i) What are the five uninformed search strategies? Explain any two in detail with example. CS6659- Artificial Intelligence (NOV/DEC 2015)
ii) Explain any two informed search strategies. (April/May 2015)
2. Explain Minimax and Alpha Beta pruning in detail
3. (i) Write the resolution procedure for prepositional logic. Explain with example? (May 2016)
(ii) Explain the iterative Deepening Algorithm. (U) May/June 2016) (Nov/Dec 2015)
4. Explain forward chaining and backward chaining algorithm with an example (April 2015)
5. I) Explain the method of performing exact inference in Bayesian networks. (MAY/JUN 2014)
ii) Briefly explain how reasoning is done using fuzzy logic.(6) MAY/JUN '16
6. I) What are the components of planning system and explain in detail.(10) MAY/JUN '16
ii) Explain the procedure of planning with state space search with example.(6) NOV 2011
7. I) Explain the basic components of an expert system. Give one Example. (10) MAY/JUN '16
ii) Write the characteristic features of Expert systems.(6) MAY/JUN '16

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

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