

Department of Computer Science & Engineering

Subject: Intelligent System

Code: CSE-304-F

Semester- VI

Section CSE I & II

Frequently Asked Questions

1. What do you mean by Natural language processing? Explain in detail?
2. Make a procedural frame for the following example:
3. “ For replacing the car expert systems brettor of your scooter”?
4. Explain how uncertainty is managed in Artificial Intelligence?
5. Explain various knowledge representation schemes in detail?
6. Write a program in prolog to implement the quick sort?
7. Define planning. Discuss the goal stack planning with example?
8. Explain various learning methods?
9. What do you mean by problem state space?
10. Explain the architecture of rule based expert system?
11. Describe Bay’s probabilistic inferencing method?
12. What do you understand by resolution?
13. Write algorithm to convert a predicate into clauses?
14. What are the various uses of artificial intelligence?
15. How would you determine whether a system is intelligent or not?
16. What is the comparison between human and computer intelligence?
17. How far is AI from reaching human-level intelligence? When will it happen?
18. What is the difference between Prolog and LISP?
19. What are characteristics of AI problems?
20. Explain AI problem representation?
21. What is AI? What is domain of AI? Describe one method to check intelligence of a system?
22. Apply the constraint satisfaction method to solve the following cryptoarithmatic problem:

APPLE

+LEMON

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BANANA

23. Why A* algorithm is better than other. Explain with an example?
24. What do you mean by problem state space? Explain in which conditions a blind search is more suitable than heuristic search?
25. Explain water jug problem and its associated rules?
26. Explain AO* algorithm with the help of example?

27. How predicate logic are better than propositional logic?
28. Write short note on genetic algorithm?
29. What are semantic nets? Why they came into existence? Explain?
30. What is fuzzy set and fuzzy logic? List any four areas where fuzzy logic can be applied?