

INTELLIGENT SYSTEM

QUESTIONS

1. State the relationship between Intelligence and Knowledge.
2. Define terms 'Fact' and 'Rule'.
3. What are the various applications of AI?
4. What are the features of NLP?
5. Briefly explain syntactic processing.
6. What is rule based learning?
7. What is an inference engine?
8. Mention the criteria for the evaluation of search strategy.
9. Express 'A car without wheels is not valuable' in predicate logic.
10. What is Heuristics?
11. Distinguish between forward and backward chaining.
12. What is the common way to represent and parse Grammars for natural language processing? Explain state space approach for solving any AI problem.
13. What is the difference between Strong Artificial Intelligence & Weak Artificial Intelligence?
14. What is Artificial Intelligence
15. List some applications of AI.
16. What is Turing test?
17. What is an expert system & characteristics of expert system?
18. List the advantages of Expert system.
19. What is A* algorithm search method?
20. What is Breadth-First Search Algorithm?
21. What is Depth-First Search Algorithm?
22. What is Bidirectional Search Algorithm?
23. What is Iterative Deepening Depth-First Search Algorithm?
24. What is Uniform Cost Search Algorithm?
25. How Game theory and AI related?
26. Explain Alpha-beta pruning.
27. What is fuzzy logic?
28. List the application of Fuzzy logic.
29. What is Partial order planning?
30. What is FOPL?
31. What is the difference between inductive, deductive and abductive machine learning?
32. List the different Algorithm techniques in Machine Learning.
33. What is Deep learning?

34. Differentiate between supervised, unsupervised and reinforcement learning.
35. Differentiate parametric and non-parametric models
36. Name few Machine Learning algorithms you know.
37. What is Naive Bayes?
38. What is Perceptron in Machine Learning?
39. List the extraction techniques used for dimensionality reduction.
40. Is kNN different from kmeans clustering?
41. What is ensemble learning?
42. List the steps involved in Machine learning
43. What is hash table?
44. What is regularization in Machine learning?
45. What are the components of relational evaluation techniques?
46. What is model accuracy and model performance?
47. List the applications of Machine learning.
48. How do you select important variables in the dataset?
49. What is a recommendation system?
50. What methods are used for reducing dimensionality?
51. List different methods for Sequential Supervised Learning
52. What are the advantages of neural networks?
53. What are the Hyper parameters of ANN

