**AI LAB VIVA – VOICE QUESTIONS**

1. What is AI?

2. What are the steps in problem solving?

3. Name the Search Strategies. Give example for each.

4. What are Essential properties of Search Algorithms.

5. Define Completeness of search algorithm.

6. Define Optimality of search algorithm.

7. Define Time complexity of search algorithm.

8. Define Space complexity of search algorithm.

9. What is DFS algorithm?

10.What is BFS algorithm?

11.Compare DFS and BFS algorithm.

12.Why A\* algorithm is preferred over others?

13. What is the concept behind Towers of Hanoi problem?

14.What is the objective of Travelling sales man problem?

15.What is Hamilton cycle?

16.Explain 8-Puzzle (8-queen puzzle) problem.

17.What is the objective of Hill climbing Algorithm?

18.What is a Tic-Tac-Toe Problem?

19.What is the aim of Simulated Annealing Algorithm?

20.What are the applications of Simulated Annealing Algorithm?

21.What is an Expert system?

22.What is the concept of Forward chaining algorithm?

23.Definitions

• Agent

• Constraint Satisfaction

• Expert system

• Game playing

• Genetic Algorithm and genetic programming

• Knowledge acquisition

• Knowledge representation

• Logic programming prolog

• Machine learning

• Natural language processing

• Robotics

• Simulated annealing

• Uncertainty

• Vision

• Search and game playing

• Logic

• Planning

• Probabilistic reasoning

• Nonmonotonic Reasoning and truth maintenance systems (TMS)

24.What is alpha beta pruning?

25.What is Unification?

26.What is Problem-Sloving?

27.What is perception?

28. What are the applications of AI?

29. What is game playing?

30. What is an agent?

**CC VIVA QUESTIONS**

1. What is cloud computing?
2. What are the benefits of cloud computing?
3. What is a cloud?
4. What are the different data types used in cloud computing?
5. Which are the different layers that define cloud architecture?
6. Which platforms are used for large scale cloud computing
7. What are the different layers in cloud computing? Explain working of them.
8. What do you mean by software as a service?
9. What is the platform as a service?
10. What is on-demand functionality? How is it provided in cloud computing?
11. What are the platforms used for large scale cloud computing?
12. What are the different models for deployment in cloud computing?
13. What is public cloud?
14. What is the difference between cloud computing and mobile computing?
15. What is the difference between scalability and elasticity?
16. Explain System integrators in cloud computing.
17. What are the open source cloud computing platform databases?
18. What is the difference between cloud and traditional datacenters?
19. What are the different in Software as a Service (SaaS)?
20. Why API's is used in cloud services?
21. What are the advantages of cloud services?
22. What are the different datacenters in cloud computing?
23. Which services are provided by Window azure operating system?
24. We source cloud computing platform databases?
25. List out different layers which define cloud architecture?
26. What is a cloud service?
27. How important is the platform as a service?
28. As a infrastructure as a service what are the resources that are provided by it?
29. In cloud what are the optimizing strategies?
30. ) How buffer is used to Amazon web services?