

Q.No.	Reference Questions for Oral Exam
1	What is agent?
2	Which are various types of agent?
3	Functions of different agent
4	Which are various informed search algorithms?
5	Which are various Uninformed search algorithms?
6	What is heuristic function?
7	Name few heuristic functions
8	What is heuristic function for tic-tac-toe?
9	How heuristic function for eight puzzle problem works?
10	Total order planning/goal stack planning
11	Partial order planning
12	Causal links
13	Decision tree
14	Hidden Markov model
15	Markov chain assumption
16	Naive Bayes theorem
17	Support vector machine
18	Prior and posterior probability
19	Artificial neural network
20	Backpropagation theorem
21	Feedforward theorem
22	Applications of AI
23	Components of expert system
24	Examples of expert system
25	Various levels of NLP
26	What is bias in neural network?
27	Applications of ANN
28	Use of minimax approach in game playing/tic-tac-toe
29	Unification algorithm
30	A* algorithm
31	Decision network and its application
32	Structure of android application
33	Use of Activity class
34	Various XML files
35	How to start a new activity?
36	Use of files in Layout folder

37	Importance of R.java
38	Contents of R.java
39	Eclipse IDE and ADT Bundle
40	What state space search problem?
41	Utility theory
42	Utility function
43	Machine learning
44	Stages of machine learning
45	Types of learning
46	Difference between learning methods
47	False positive and false negative
48	Labelled data and unlabelled data
49	Clustering and classification
50	Feature vector/feature set
51	Which are state space search problems?
52	Structure of a typical agent
53	Context management and profile management in assignemtn 3,4 and 5
54	Applications of NLP in data mining, web mining, AI
55	What is NLP?
56	K-means algorithm
57	Building smart watch app
58	Tizen installation steps
59	Applications of machine learning
60	Difference between strong AI and weak AI
61	Space and time complexity of search methods
62	Comparison of various search methods
63	difference between breadth first search and best first search in artificial intelligence
64	FOPL stands for and explain its role in Artificial Intelligence
65	Rule based system
66	Frame based system
67	In 'Artificial Intelligence' where you can use the Bayes rule?
68	In speech recognition what kind of signal is used?
69	Which algorithm is used for solving temporal probabilistic reasoning?
70	In Artificial Intelligence, what do semantic analyses used for?
71	Which algorithm in 'Unification and Lifting' takes two sentences and returns a unifier?
72	Which is the most straight forward approach for planning algorithm?
73	How Artificial Intelligence is related to human based nature?

74	Explain knowledge based system in the context of artificial intelligence
75	What is the Turing test?
76	What are the branches of AI?
77	Which heuristic function is used for travelling salesman problem?

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