



In the Name of Allāh, the Most Gracious, the Most Merciful

MidTerm Papers Solved MCQS with Reference (1 to 22 lectures)

1. “The branch of computer science that is concerned with the automation of intelligent behavior” this definition of AI is from

- Charniak and McDermott
- Winston
- **Luger and Stubblefield**

PG # 8

2. Which of the following disciplines provides us with the theories of structure and meaning of language:

- **Linguistic**
- Philosophy
- Biology
- Psychology

PG # 9

3. Technically hit and trial approach is called as the "Generate and _____ " approach.

- Consume
- **Test**
- Regenerate
- Modify

PG # 15

4. Most of the solution spaces for problems can be represented in a _____.

- **Graph**
- Table
- Demo

PG # 21

5. By getting grips on _____ that deal with searching techniques in graphs and trees, problem solving can be performed in an efficient manner.

- Pseudocode
- **Algorithms**
- Charts
- Graphs

PG # 21

6. In Depth First Search the node with the largest value of height will be at the _____ priority to be picked.

- Minimum
- **Maximum**
- Zero

PG # 25

7. The Plateau problem comes up when there is a mostly flat area _____ the peaks.

- ☐ **Separating** **PG # 40**
- ☐ Joining
- ☐ Over
- ☐ None of the given

8. Best-first search always moves _____ from the node that seems closest to the goal node

- ☐ Backward
- ☐ Left
- ☐ Right
- ☐ **Forward** [Click here for More Detail](#)

9. In Adversarial search there may occur such a scenario where two opponents also called _____ are searching for a goal.

- ☐ **Adversaries** **PG # 62**
- ☐ Enemies
- ☐ Players
- ☐ Intruders

10. In Basic Genetic Algorithm the term mutation refers to a small random _____.

- ☐ Number
- ☐ **Change** **PG # 77**
- ☐ Operator
- ☐ Operand

11. Genetic algorithm uses evolutionary techniques, based on function optimization and artificial intelligence, to develop a solution.

☐ **True**

[Click Here For More Detail](#)

☐ False

The genetic algorithm, first developed by John H. Holland in the 1960's, allows computers to solve difficult problems. It uses evolutionary techniques, based on function optimization and artificial intelligence, to develop a solution.

12. In the worst case of semantic network, we may need to traverse the entire network and then discover that the requested info _____.

☐ Is correct

☐ Is incorrect

☐ Exists

☐ **Does not exist**

PG # 97

13. Frames were developed from semantic networks and later evolved into our modern-day Classes and Objects

☐ **True**

PG # 98

☐ False

14. Deductive reasoning is based on deducing old information from logically related unknown information.

☐ True

☐ **False**

PG # 102

Deductive reasoning, as the name implies, is based on deducing new information from logically related known information.

15. Another expert system named _____ was developed by Digital Equipment Corporation, as a computer configuration assistant.

- ☐ **R1/XCON**
- ☐ MYCIN
- ☐ Dendral
- ☐ R3/XCON

PG # 112

16. Which one of the following is involved in an ES development project:

- ☐ The domain expert
- ☐ The knowledge engineer
- ☐ the end user
- ☐ **All of the given**

PG # 123 & 124

17. In backward chaining terminology, the hypothesis to prove is called the _____.

- ☐ Proof
- ☐ **Goal**
- ☐ Plan
- ☐ None of the given

PG # 126

18. _____ chaining is more focused and tries to avoid exploring unnecessary paths of reasoning.

- ☐ Forward
- ☐ **Backward**
- ☐ Both forward and backward
- ☐ None of the given

PG # 128

19. Assisting an expert is the most commonly found role of an Expert System.

- ☐ False
- ☐ **True**

PG # 144

20. Procedures that search the solution space in an uninformed manner are usually costly with respect to _____.

- ☐ Time
- ☐ Space
- ☐ **Time and space both**
- ☐ None of the given

PG # 37

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*Winning is not everything,
but wanting to win is
everything.....
Go Ahead..... Best Of Luck !*