

STUDY MATERIALS ..

subject: - Artificial Intelligence (CC-13) . ①

1. What is the time complexity of Breadth First Search?
 - a. b
 - b^d
 - c. b²
 - d. b^b
2. Programming a robot by physically moving it through the trajectory you want it to follow is called:
 - a. Contact sensing control.
 - continuous-path control
 - c. robot vision control
 - d. pick-and-place control.
3. An AI system is composed of
 - a. agent .
 - b. Environment
 - both A & B
 - d. None of the Above .
4. Which of the following is not a type of agents in AI?
 - a. Model based
 - b. Utility based .
 - B. Simple reflex
 - target based .

5. The strategic computing program is a project of the:

- a. Defence Advanced Research project Agency.
- b. National science Foundation
- c. Jet Propulsion Laboratory.
- d. All of the above.

6. The original LISP machines produced by both LMI and symbolics were based on research performed at

- a. CMU
- b. MIT
- c. Stanford University
- d. RAND

7. IN LISP, the addition 3+2 is entered as

- a. 3+2
- b. 3 add 2
- c. 3+2 =
- d. (+ 3 2)

8. which instruments are used for perceiving and acting upon the environment?

- a. sensor and actuators
- b. sensors.
- c. Perceiver
- d. Perceiver and Sensor.

9. In a rule-based system, procedural domain knowledge is in the form of.

- a. Procedural rules
- b. rule interpreters
- c. meta-rules
- d. control rules

10. If a robot can alter its own trajectory in response to external conditions, it is considered to be.

- a. Intelligent
- b. mobile
- c. open loop
- d. non-servo

11. In LISP, the function returns the first element of a list is.

- a. set
- b. car
- c. first
- d. second.

12. Which of the following is demerits of Top-down Parser?

- a. It is hard to implement
- b. Slow speed.
- c. Inefficient
- d. both b & c.

13. A natural language generation program must include decide

- a. what to say
- b. when to say something
- c. why it is being used
- d. both (a) & (b)

14. A bidirectional feedback loop links computer modelling with:

- a. artificial science
- b. heuristic processing
- c. human intelligence
- d. cognitive science

15. What is the term used for describing the judgmental or commonsense part of the problem solving?

- a. Heuristic
- b. value based.
- c. analytical
- d. None of the above.

16. what was originally called the "imitation game" by its creator?

- a. The Turing Test
- b. LISP
- c. cybernetics
- d. none of the above.

17. A process that is repeated, evaluated, and refined is called

- a. diagnostic
- b. descriptive
- c. interpretive
- d. iterative

18. How many output fuzzy logic produce ?

- a. 2
- b. 3
- c. 4
- d. 5

19. How many main parts are there in fuzzy logic systems Architecture.

- a. 3
- b. 4
- c. 5
- d. 6

20. An AI technique that allows computers to understand associations and relationships between objects and events is called.

- a. cognitive science
- b. relative symbolism
- c. pattern matching
- d. none of the above

21. How many possible plans are available in partial order solution ?

- a. 5
- b. 6
- c. 7
- d. 9

22. The field that investigates the mechanics of human intelligence is. (5)

- a. History b. Psychology c. Cognitive science.
d. none of the above

23. Artificial intelligence is a way of

- a. making a computer b. a computer controlled robot
c. software think intelligently d. (a+b+c)

24. Natural language processing is divided into the two subfields of

- a. symbolic & numeric. b. time and motion
 c. understanding & generation d. algorithmic & heuristic

25. Which of the following areas can not contribute to build an intelligent system?

- a. Neuron Science b. Maths,
c. Computer Science d. Geology.

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