

ARTIFICIAL INTELLIGENCE MOCK EXAM

1. LISP was created by?
a) **John McCarthy**
b) Marvin Minsky
c) Alan Turing
d) Allen Newell and Herbert Simon
2. Strong Artificial Intelligence is _____
a) **the embodiment of human intellectual capabilities within a computer**
b) a set of computer programs that produce output that would be considered to reflect intelligence if it were generated by humans
c) the study of mental faculties through the use of mental models implemented on a computer
d) less capabilities than human
3. What is Artificial intelligence?
a) Putting your intelligence into Computer
b) Programming with your own intelligence
c) **Making a Machine intelligent**
d) Playing a Game
4. Who is the “father” of artificial intelligence?
a) Fisher Ada
b) **John McCarthy**
c) Allen Newell
d) Alan Turning
5. The performance of an agent can be improved by _____
a) **Learning**
b) Observing
c) Perceiving
d) Acting
6. Which is a refutation complete inference procedure for propositional logic?
a) Clauses
b) Variables
c) **Propositional resolution**
d) Proposition
7. What kind of clauses are available in Conjunctive Normal Form?
a) **Disjunction of literals**
b) Disjunction of variables
c) Conjunction of literals
d) Conjunction of variables
8. Which sentence will be unsatisfiable if the CNF sentence is unsatisfiable?
a) Search statement
b) Reading statement

- c) Replaced statement
- d) Original statement**

9. Which is the first AI programming language?

- a) BASIC
- b) FORTRAN
- c) IPL (Inductive logic programming)
- d) LISP**

10. Hill climbing sometimes called _____ because it grabs a good neighbor state without thinking ahead about where to go next.

- a) Needy local search
- b) Heuristic local search
- c) Greedy local search**
- d) Optimal local search

11. Blind search is also called as _____.

- a) Uninformed search**
- b) Informed search
- c) Simple reflex search
- d) initial Search

12. A search algorithm takes _____ as an input and returns _____ as an output.

- a) Input, output
- b) Problem, solution**
- c) Solution, problem
- d) Parameters, sequence of actions

13. An intelligent agent act to increase their _____

- a) Knowledge
- b) Performance measure**
- c) Database measure
- d) Goal Measure

14. Which search method takes less memory?

- a) Breadth-First search
- b) Depth-First Search**
- c) Optimal search
- d) Linear Search

15. To solve a problem which 2 phase of formulation it should pass?

- a) Goal, Start
- b) Goal, Problem**
- c) Path, Goal
- d) Path, Problem

16. Which one of the followings is not a part of process for solving problem using AI

- a) Defining the problem
- b) Analyzing the problem
- c) Implementation

d) sensorless planning

17. A* search strategy comes under _____.
a) Uninformed search
b) Blind Search
c) Informed Search
d) Classical Search
18. In BFS the frontier is implemented as a _____ queue.
a) FIFO
b) LIFO
c) FILO
d) Random
19. Hill climbing Search algorithm works like _____ algorithm.
a) AI
b) A*
c) Hilltop
d) Generate and test
20. When is breadth-first search is optimal?
a) When there is less number of nodes
b) When all step costs are equal
c) When all step costs are unequal
d) When there is less number of agent