

Subject: Artificial Intelligence (Multiple Choice)

Max.marks = 30

- 1) Which of the following contains the output segments of Artificial Intelligence programming?
 - A) Locomotion
 - B) Manipulation of physical object
 - C) Printed language and synthesized speech
 - D) All of the above

- 2) The decision tree algorithm reaches its destination using_____.
 - A) Single Test
 - B) Two Test
 - C) Sequence of Test
 - D) No Test

- 3) In LISP programming, the square root is entered as_____.
 - A) $x/2$
 - B) (sort x)
 - C) Sqrt(x)
 - D) None of the above

- 4) An Artificial Neural Network Is based on?
 - A) Cognitive Artificial Intelligence approach
 - B) Weak Artificial Intelligence approach
 - C) Applied Artificial Intelligence approach
 - D) Strong Artificial Intelligence approach

- 5) Two literals are complementary if _____
 - A) They are equal
 - B) They are identical but of opposite sign
 - C) They are unequal but of equal sign
 - D) They are identical and of equal sign

- 6) An Artificial Intelligence technique that allows computers to understand associations and relationships between objects and events is called_____
 - A) pattern matching
 - B) cognitive science
 - C) relative symbolism
 - D) heuristic processing

- 7) On which Artificial Neural Network is based on which type of approach?
 - A) Applied approach
 - B) Cognitive approach
 - C) Weak approach
 - D) Strong approach

- 8) Face Recognition system is based on which type of approach?
- A) Cognitive approach
 - B) Applied approach
 - C) Weak approach
 - D) Strong approach
- 9) A computer vision technique that relies on image templates is
- A) robot vision
 - B) edge detection
 - C) binocular vision
 - D) model-based vision
- 10) A computer vision technique that relies on image templates is _____
- A) robot vision
 - B) edge detection
 - C) binocular vision
 - D) model-based vision
- 11) The Face Recognition system is based on?
- A) Weak Artificial Intelligence approach
 - B) Strong Artificial Intelligence approach
 - C) Cognitive Artificial Intelligence approach
 - D) Applied Artificial Intelligence approach
- 12) What is the name of the computer program that contains the distilled knowledge of an expert?
- A) Expert system
 - B) Artificial intelligence
 - C) Database management system
 - D) Management information System
- 13) The CAI (Computer-Assisted Instruction) technique based on programmed instruction is _____
- A) frame-based CAI
 - B) intelligent CAI
 - C) generative CAI
 - D) problem-solving CAI
- 14) Programming a robot by physically moving it through the trajectory you want it to follow be called _____
- A) robot vision control
 - B) contact sensing control
 - C) continuous-path control
 - D) pick-and-place control
- 15) What is the action of task environment in artificial intelligence?
- A) Agent
 - B) Problem
 - C) Solution
 - D) Observation

16) Satellite Image Analysis System is (Choose the one that is not applicable).

- A) Episodic
- B) Partially Observable
- C) Semi-Static
- D) Single agent

17) What is the general term of Blind searching?

- A) Informed Search
- B) Heuristic Search
- C) Uninformed Search
- D) Informed & Unformed Search

18) A heuristic is a way of trying _____

- A) To discover something or an idea embedded in a program
- B) To compare two nodes in a search tree to see if one is better than another
- C) To search and measure how far a node in a search tree seems to be from a goal
- D) All of the above

19) A* algorithm is based on _____

- A) Breadth-First-Search
- B) Best-First-Search
- C) Depth-First-Search
- D) Uniform Cost Search

20) Heuristic function $h(n)$ is _____

- A) Lowest path cost
- B) Average path cost
- C) Cheapest path from root to goal node
- D) Estimated cost of cheapest path from root to goal node

21) Which algorithm is used to solve any kind of problem?

- A) Breadth-first algorithm
- B) Bidirectional search algorithm
- C) Tree algorithm
- D) None of the above

22) Visual clues that are helpful in computer vision include _____

- A) color and motion
- B) depth and texture
- C) Both (a) and (b)
- D) height and weight

23) LISP machines also are known as _____

- A) Super mini computers
- B) Time-sharing terminals
- C) AI workstations

D) All of the above

24) The area of AI that investigates methods of facilitating communication between people and computers is _____

- A) robotics
- B) decision support
- C) symbolic processing
- D) natural language processing

25) For speech understanding systems to gain widespread acceptance in office automation, they must feature _____

- A) speaker dependence
- B) speaker independence
- C) isolated word recognition
- D) All of the above

26) What is a Cybernetics?

- A) Study of Boolean values
- B) Study of communication between two humans
- C) Study of communication between two machines
- D) Study of communication between human and machine

27) In a rule-based system, what is the form of procedural domain knowledge?

- A) meta-rules
- B) production rules
- C) control rules
- D) rule interpreters

28) Which approach to speech recognition avoids the problem caused by the differences in the way words are pronounced according to context?

- A) isolated word recognition
- B) connected word recognition
- C) continuous speech recognition
- D) speaker-dependent recognition

29) What is Morphological Segmentation?

- A) Separate words into individual morphemes and identify the class of the morphemes
- B) Does Discourse Analysis
- C) Is an extension of propositional logic
- D) None of the above

30) Which of the following is an application of NN (Neural Network)?

- A) Data validation
- B) Sales forecasting
- C) Risk management

D) All of the above

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