

1) What is the full form of "AI"?

- a) Artificially Intelligent
- b) Artificial Intelligence**
- c) Artificially Intelligence
- d) Advanced Intelligence

2) What is Artificial Intelligence?

- a) A field that aims to make humans more intelligent
- b) A field that aims to improve the security
- c) A field that aims to develop intelligent machines**
- d) A field that aims to mine the data

3) Who is the inventor of Artificial Intelligence?

- a) Geoffrey Hinton
- b) Andrew Ng
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4) Which of the following is the branch of Artificial Intelligence?

- a) Machine Learning**
- b) Cyber forensics
- c) Full-Stack Developer
- d) Network Design

5) _____ is the goal of Artificial Intelligence.

- a) To solve artificial problems
- b) To extract scientific causes
- c) To explain various sorts of intelligence**
- d) To solve real-world problems

6) Which of the following is a component of Artificial Intelligence?

- a) Learning**
- b) Training
- c) Designing
- d) Puzzling

7) Which of the following is not a type of Artificial Intelligence agent?

- a) Learning AI agent
- b) Goal-based AI agent
- c) Simple reflex AI agent
- d) Unity-based AI agent**

8) Which of the following can improve the performance of an AI agent?

a) Perceiving

b) Learning

c) Observing

d) All of the above

9) Which of the following is an example of artificial intelligent agent/agents?

a) Autonomous Spacecraft

b) Human

c) Robot

d) All of the mentioned

10) What is an AI 'agent'?

a) Takes input from the surroundings and uses its intelligence and performs the desired operations

b) An embedded program controlling line following robot

c) Perceives its environment through sensors and acting upon that environment through actuators

d) All of the mentioned

11) The action of task environment is _____

a) Solution

b) Observation

c) Problem

d) Agent

12) _____ is/are the observing environments.

a) Learning

b) Partial

c) Fully

d) Both Partial & Fully

13) _____ produces hypotheses that are easy to read for humans.

a) Machine Learning

b) ILP

c) First-order logic

d) Propositional logic

14) Which of the following are the 5 big ideas of AI?

a) Perception

b) Human-AI Interaction

c) Societal Impact

d) All of the above

15) Which depends on the percepts and actions available to the agent?

a) Agent

b) Sensor

c) Design problem

d) None of the mentioned

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17) Which kind of agent architecture should an agent use?

a) Relaxed

b) Logic

c) Relational

d) All of the mentioned

18) The game of Poker is a single agent.

a) True

b) False

19) An agent is composed of _____

a) Architecture

b) Agent Function

c) Perception Sequence

d) Architecture and Program

20) The Task Environment of an agent consists of _____

a) Sensors

b) Actuators

c) Performance Measures

d) All of the mentioned

21) Agents behavior can be best described by _____

a) Perception sequence

b) Agent function

c) Sensors and Actuators

d) Environment in which agent is performing

22) Artificial Intelligence has its expansion in the following application.

- a) Planning and Scheduling
- b) Game Playing
- c) Diagnosis
- d) All of the mentioned**

23) Which is not the commonly used programming language for AI?

- a) PROLOG
- b) Java
- c) LISP
- d) Perl**

24) Which are necessary for an agent to solve an online search problem?

- a) Actions
- b) Step-cost function
- c) Goal-test
- d) All of the mentioned**

25) How the new states are generated in genetic algorithm?

- a) Composition
- b) Mutation
- c) Cross-over
- d) Both Mutation & Cross-over**

26) Which depends on the percepts and actions available to the agent?

- a) Agent
- b) Sensor
- c) Design problem**
- d) None of the mentioned

27) Which technology uses miniaturized accelerometers and gyroscopes?

- a) Sensors
- b) Actuators
- c) MEMS**
- d) None of the mentioned

28) What is used for tracking uncertain events?

- a) Filtering algorithm**
- b) Sensors
- c) Actuators
- d) None of the mentioned

29) What is not represented by using propositional logic?

- a) Objects
- b) Relations
- c) Both Objects & Relations**
- d) None of the mentioned

30) Which functions are used as preferences over state history?

- a) Award
- b) Reward**
- c) Explicit
- d) Implicit

31) Which kind of agent architecture should an agent use?

- a) Relaxed
- b) Logic
- c) Relational
- d) All of the mentioned**

32) Specify the agent architecture name that is used to capture all kinds of actions.

- a) Complex
- b) Relational
- c) Hybrid**
- d) None of the mentioned

33) What can operate over the joint state space?

- a) Decision-making algorithm
- b) Learning algorithm
- c) Complex algorithm
- d) Both Decision-making & Learning algorithm**

34) What is the action of task environment in artificial intelligence?

- a) Problem**
- b) Solution
- c) Agent
- d) Observation

35) What kind of observing environments are present in artificial intelligence?

- a) Partial
- b) Fully
- c) Learning
- d) Both Partial & Fully**

36) What kind of environment is crossword puzzle?

- a) **Static**
- b) Dynamic
- c) Semi Dynamic
- d) None of the mentioned

36) What kind of behavior does the stochastic environment possess?

- a) **Local**
- b) Deterministic
- c) Rational
- d) Primary

37) Where does the performance measure is included?

- a) Rational agent
- b) **Task environment**
- c) Actuators
- d) Sensor

38) Which is used to provide the feedback to the learning element?

- a) **Critic**
- b) Actuators
- c) Sensor
- d) None of the mentioned

39) What is state space?

- a) The whole problem
- b) Your Definition to a problem
- c) Problem you design
- d) **Representing your problem with variable and parameter**

39) The process of removing detail from a given state representation is called _____

- a) Extraction
- b) **Abstraction**
- c) Information Retrieval
- d) Mining of data

40) A production rule consists of _____

- a) A set of Rule
- b) A sequence of steps
- c) **Set of Rule & sequence of steps**
- d) Arbitrary representation to problem

41) Which search method takes less memory?

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

42) An AI system is composed of?

- A. agent
- B. environment
- C. Both A and B**
- D. None of the Above

43) Which instruments are used for perceiving and acting upon the environment?

- A. Sensors and Actuators**
- B. Sensors
- C. Perceiver
- D. Perceiver and Sensor

44) Which of the following is not a type of agents in artificial intelligence?

- A. Model based
- B. Utility based
- C. Simple reflex
- D. target based**

45) Which is used to improve the agents performance?

- A. Perceiving
- B. Observing
- C. Learning**
- D. Sequence

47) Rationality of an agent does not depend on?

- A. performance measures
- B. Percept Sequence
- C. reaction**
- D. actions

48) Agent's structure can be viewed as ?

- A. Architecture
- B. Agent Program
- C. Architecture + Agent Program
- D. None of the Above**

49) Which kind of agent architecture should an agent use?

- A. Relaxed
- B. Relational
- C. Both A and B**
- D. None of the Above

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- c) Actuators
- d) None of the mentioned

62) The strategic environment in artificial intelligence

- A). Partial
- B). Rational
- C). Deterministic**
- D). Stochastic

- 63) Agents behavior can be best described by _____
- a) Perception sequence
 - b) Agent function**
 - c) Sensors and Actuators
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- C. Perceiver
- D. Perceiver and Sensor

77) Artificial Intelligence is about_____.

- A: Playing a game on Computer
- B: Making a machine Intelligent**
- C: Programming on Machine with your Own Intelligence
- D: Putting your intelligence in Machine

78) Who is known as the "Father of AI"?

- A: Fisher Ada
- B: Alan Turing
- C: John McCarthy**
- D: Allen Newell

79) Which agent deals with the happy and unhappy state?

- A: Utility-based agent**
- B: Model-based agent
- C: Goal-based Agent
- D: Learning Agent

80) Among the given options, which is also known as inference rule?

- A: Reference
- B: Reform
- C: Resolution**
- D: None of the above