



قائمة الاسئلة 2025-04-13 08:57

الذكاء الاصطناعي - (124203) - المستوى الرابع - تخصص رياضيات - حاسوب - كلية العلوم - الفترة الثانية- درجة الامتحان (30)

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- 1) What is the full form of “AI”?
 - 1) - a) Artificially Intelligent
 - 2) + b) Artificial Intelligence
 - 3) - c) Artificially Intelligence
 - 4) - d) Advanced Intelligence
- 2) What is Artificial Intelligence?
 - 1) - a) Artificial Intelligence is a field that aims to make humans more intelligent
 - 2) - b) Artificial Intelligence is a field that aims to improve the security
 - 3) + c) Artificial Intelligence is a field that aims to develop intelligent machines
 - 4) - d) Artificial Intelligence is a field that aims to mine the data
- 3) Who is the inventor of Artificial Intelligence?
 - 1) - a) Geoffrey Hinton
 - 2) - b) Andrew Ng
 - 3) + c) John McCarthy
 - 4) - d) Jürgen Schmidhuber
- 4) Which of the following is the branch of Artificial Intelligence?
 - 1) + a) Machine Learning
 - 2) - b) Cyber forensics
 - 3) - c) Full-Stack Developer
 - 4) - d) Network Design
- 5) What is the goal of Artificial Intelligence?
 - 1) - a) To solve artificial problems
 - 2) - b) To extract scientific causes
 - 3) + c) To explain various sorts of intelligence
 - 4) - d) To solve real-world problems
- 6) Which of the following is an application of Artificial Intelligence?
 - 1) - a) It helps to exploit vulnerabilities to secure the firm
 - 2) + b) Language understanding and problem-solving (Text analytics and NLP)
 - 3) - c) Easy to create a website
 - 4) - d) It helps to deploy applications on the cloud
- 7) In how many categories process of Artificial Intelligence is categorized?
 - 1) - a) categorized into 5 categories
 - 2) - b) processes are categorized based on the input provided
 - 3) + c) categorized into 3 categories
 - 4) - d) process is not categorized
- 8) Which instruments are used for perceiving and acting upon the environment?
 - 1) + a) Sensors and Actuators
 - 2) - b) Sensors
 - 3) - c) Perceiver
 - 4) - d) None of the mentioned
- 9) What is meant by agent’s percept sequence?
 - 1) - a) Used to perceive the environment
 - 2) - b) Complete history of actuator
 - 3) + c) Complete history of perceived things
 - 4) - d) None of the mentioned



- 10) How many types of agents are there in artificial intelligence?
- 1) - a) 1
 - 2) - b) 2
 - 3) - c) 3
 - 4) ☒ d) 4
- 11) What is the rule of simple reflex agent?
- 1) - a) Simple-action rule
 - 2) ☒ b) Condition-action rule
 - 3) - c) Simple & Condition-action rule
 - 4) - d) None of the mentioned
- 12) What are the composition for agents in artificial intelligence?
- 1) - a) Program
 - 2) - b) Architecture
 - 3) ☒ c) Both Program & Architecture
 - 4) - d) None of the mentioned
- 13) In which agent does the problem generator is present?
- 1) ☒ a) Learning agent
 - 2) - b) Observing agent
 - 3) - c) Reflex agent
 - 4) - d) None of the mentioned
- 14) Which is used to improve the agents performance?
- 1) - a) Perceiving
 - 2) ☒ b) Learning
 - 3) - c) Observing
 - 4) - d) None of the mentioned
- 15) Which agent deals with happy and unhappy states?
- 1) - a) Simple reflex agent
 - 2) - b) Model based agent
 - 3) - c) Learning agent
 - 4) ☒ d) Utility based agent
- 16) Which action sequences are used to achieve the agent's goal?
- 1) - a) Search
 - 2) - b) Plan
 - 3) - c) Retrieve
 - 4) ☒ d) Both Search & Plan
- 17) Which element in the agent are used for selecting external actions?
- 1) - a) Perceive
 - 2) ☒ b) Performance
 - 3) - c) Learning
 - 4) - d) Actuator
- 18) What is rational at any given time depends on?
- 1) - a) The performance measure that defines the criterion of success
 - 2) - b) The agent's prior knowledge of the environment
 - 3) - c) The actions that the agent can perform
 - 4) ☒ d) All of the mentioned
- 19) What could possibly be the environment of a Satellite Image Analysis System?
- 1) - a) Computers in space and earth
 - 2) - b) Image categorization techniques
 - 3) - c) Statistical data on image pixel intensity value and histograms



- 4) ☒ d) All of the mentioned
- 20) Categorize Crossword puzzle in Fully Observable / Partially Observable.
- 1) ☒ a) Fully Observable
- 2) ☐ b) partially Observable
- 3) ☐ c) All of the mentioned
- 4) ☐ d) None of the mentioned
- 21) What is the other name of informed search strategy?
- 1) ☐ a) Simple search
- 2) ☒ b) Heuristic search
- 3) ☐ c) Online search
- 4) ☐ d) None of the mentioned
- 22) How many types of informed search method are in artificial intelligence?
- 1) ☐ a) 1
- 2) ☐ b) 2
- 3) ☐ c) 3
- 4) ☒ d) 4
- 23) Which search uses the problem specific knowledge beyond the definition of the problem?
- 1) ☒ a) Informed search
- 2) ☐ b) Depth-first search
- 3) ☐ c) Breadth-first search
- 4) ☐ d) Uninformed search
- 24) Which function will select the lowest expansion node at first for evaluation?
- 1) ☐ a) Greedy best-first search
- 2) ☒ b) Best-first search
- 3) ☐ c) Depth-first search
- 4) ☐ d) None of the mentioned
- 25) What is the heuristic function of greedy best-first search?
- 1) ☐ a) $f(n) \neq h(n)$
- 2) ☐ b) $f(n) < h(n)$
- 3) ☒ c) $f(n) = h(n)$
- 4) ☐ d) $f(n) > h(n)$
- 26) Which search uses only the linear space for searching?

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- 1) ☐ a) Best-first search
- 2) ☐ b) Recursive best-first search
- 3) ☒ c) Depth-first search
- 4) ☐ d) None of the mentioned
- 27) Which method is used to search better by learning?
- 1) ☐ a) Best-first search
- 2) ☐ b) Depth-first search
- 3) ☒ c) Metalevel state space
- 4) ☐ d) None of the mentioned
- 28) Which search is complete and optimal when $h(n)$ is consistent?
- 1) ☐ a) Best-first search
- 2) ☐ b) Depth-first search
- 3) ☐ c) Both Best-first & Depth-first search
- 4) ☒ d) A* search



- 29) Which is used to improve the performance of heuristic search?
- 1) - a) Quality of nodes
 - 2) ☒ b) Quality of heuristic function
 - 3) - c) Simple form of nodes
 - 4) - d) None of the mentioned
- 30) Which of the following is an example of General AI?
- 1) - a) IBM's Watson
 - 2) - b) Siri
 - 3) - c) Google's AlphaGo
 - 4) ☒ d) None of the above
- 31) Which search method will expand the node that is closest to the goal?
- 1) - a) Best-first search
 - 2) ☒ b) Greedy best-first search
 - 3) - c) A* search
 - 4) - d) None of the mentioned