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Artificial Intelligence MCQ

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AI (**Artificial intelligence**) is a branch of computer science that is concerned with building smart machines that are capable of performing tasks that typically require human intelligence.

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Q1. An Artificial Intelligence system developed by Terry A. Winograd to permit an interactive dialogue about a domain he called blocks-world.

- **A.** SIMD
- **B.** STUDENT
- **C.** SHRDLU
- **D. BACON**

Q2. What is Artificial intelligence?

- **A.** Programming with your own intelligence
- **B.** Putting your intelligence into Computer
- **C. Making a Machine intelligent**
- **D.** Playing a Game

Q3. DARPA, the agency that has funded a great deal of American Artificial Intelligence research, is part of the Department of:

- **A.** Education
- **B. Defense**
- **C.** Energy
- **D.** Justice

Q4. Who is the father of artificial intelligence?

- **A. John McCarthy**
- **B.** Fisher Ada
- **C.** Allen Newell
- **D.** Alan Turning

Q5. KEE is a product of:

- **A. IntelliCorpn**
- **B.** Teknowledge
- **C.** Texas Instruments
- **D.** Tech knowledge

Q6. Default reasoning is another type of -

- **A.** Analogical reasoning
- **B.** Bitonic reasoning
- **C. Non-monotonic reasoning**
- **D.** Monotonic reasoning

Q7. Weak AI is

- **A.** a set of computer programs that produce output that would be considered to reflect intelligence if it were generated by humans.
- **B. the study of mental faculties through the use of mental models implemented on a computer.**
- **C.** the embodiment of human intellectual capabilities within a computer.
- **D.** All of the above

Q8. If a robot can alter its own trajectory in response to external conditions, it is considered to be:

- **A.** mobile
- **B.** open loop
- **C. intelligent**
- **D.** non-servo

Q9. One of the leading American robotics centers is the Robotics Institute located at

- **A.** RAND
- **B.** MIT
- **C. CMU**
- **D.** SRI

Q10. What is the name of the computer program that contains the distilled knowledge of an expert?

- **A.** Management information System
- **B. Expert system**
- **C.** Data base management system
- **D.** Artificial intelligence

Q11. In LISP, the function evaluates both <variable> and <object> is -

- **A.** setq
- **B.** add
- **C. set**
- **D.** eva

Q12. What is Artificial intelligence?

- **A. Making a Machine intelligent**
- **B.** Putting your intelligence into Computer
- **C.** Programming with your own intelligence
- **D.** putting more memory into Computer

Q13. Which is not the commonly used programming language for AI?

- **A.** PROLOG
- **B.** LISP
- **C. Perl**
- **D.** Java script

Q14. Which is not a property of representation of knowledge?

- **A.** Inferential Adequacy
- **B.** Representational Adequacy
- **C. Representational Verification**
- **D.** Inferential Efficiency

Q15. A Hybrid Bayesian network contains

- **A.** Both discrete and continuous variables
- **B.** Only Discontinuous variable
- **C. Both Discrete and Discontinuous variable**
- **D.** Continous variable only.

Q16. Computational learning theory analyzes the sample complexity and computational complexity of -

- **A.** Forced based learning
- **B.** Weak learning
- **C. Inductive learning**
- **D.** Knowledge based learning.

Q17. Which is true?

- **A.** All formal languages are like natural language
- **B. Not all formal languages are context-free**

Q18. What stage of the manufacturing process has been described as "the mapping of function onto form"?

- **A.** Distribution
- **B.** project management
- **C. Design**
- **D.** field service

Q19. Programming a robot by physically moving it through the trajectory you want it to follow is called:

- **A. continuous-path control**

- **B.** robot vision control
- **C.** contact sensing control
- **D.** pick-and-place control

Q20. In LISP, the addition 3 + 2 is entered as -

- **A.** 3 add 2
- **B.** 3 + 2
- **C.** 3 + 2 =
- **D. (+ 3 2)**

Q21. Knowledge engineering is a field of Artificial intelligence.

- **A. True**
- **B.** False

Q22. The first ai programming language was called

- **A.** Python
- **B. IPL**
- **C.** LISP
- **D.** Machine Language

Q23. Which of following search algorithm requires less memory?

- **A.** Optimal Search
- **B.** Breadth-First Search
- **C. Depth First Search**
- **D.** Linear Search

Q24. What is an component of an Expert system?

- **A.** Inference Engine
- **B.** User Interface
- **C.** Knowledge Base
- **D. All are correct**

Q25. A heuristic is a way of trying

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

Q26. What kind of behavior does the stochastic environment posses?

- **A.** Deterministic
- **B.** Local
- **C.** Primary
- **D. Rational**

Q27. Which is the following is most straightforward approach for planning algorithm?

- **A.** Best-first search
- **B.** Depth First Search
- **C. State space search**
- **D.** Binary Search

Q28. Which of follwing was originally called the "imitation game" by its creator?

- **A.** LISP
- **B. The Turing Test**
- **C.** The Logic Theorist
- **D.** Cybernetics

Q29. The Strategic Computing Program was project of the

- **A. Defense Advanced Research Projects Agency**
- **B.** Jet Propulsion Laboratory
- **C.** National Science Foundation
- **D.** All of the Above

Q30. Computational intelligence is a form of _____.

- **A.** Knowledge management
- **B.** Singularity
- **C. Artificial intelligence**
- **D.** case-based reasoning

Q31. Which of the following is not a stage of knowledge engineering?

- **A.** Assemble the relevant knowledge
- **B.** Encode general knowledge about the domain
- **C.** Identify the task
- **D. Fixing a Problem**

Q32. Which of the following is not a stage of AI?

- **A.** Predictive analytics
- **B.** Diagnostic analytics
- **C. Cognitive analytics**
- **D.** All of the above

Q33. The core components are constituents of ai are derived from ....

- **A.** Cognition
- **B.** Computation
- **C.** Concept of logic
- **D. All of the above**

Q34. Strong AI is ....

- **A. The embodiment of human intellectual capabilities within a computer.**
- **B.** The study of mental faculties through the use of mental models implemented on a computer.
- **C.** Both A & B
- **D.** None of the above

Q35. What is state space in AI?

- **A.** The whole problem
- **B.** Problem you design
- **C.** The whole problem

- **D. Representing your problem with variable and parameter**

Q36. Face recognition system is based on which AI?

- **A.** Serial AI
- **B.** Parallel AI
- **C. Applied AI**
- **D.** Strong AI

Q37. What are the main goals of AI?

- **A.** Create Expert Systems
- **B.** Implement Human Intelligence in Machines
- **C. Both Options**
- **D.** None of the above

Q38. What is the frame in AI?

- **A.** Data Type
- **B.** Data Structure
- **C. A way of representing knowledge**
- **D.** All of the above

Q39. Which of the following is an application of AI?

- **A.** Gamings
- **B.** Vision Systems
- **C.** Expert Systems
- **D. All of the above**

Q40. A problem in a search space is defined by ....

- **A.** Last state
- **B.** Initial state
- **C. Intermediate state**
- **D.** None of the above

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