1,"Define Artificial Intelligence.",Remember

2,"Explain the characteristics of AI problems.",Understand 3,"Discuss the applications of AI.",Analyze

4,"Define expert systems.",Remember

5,"What are control strategies in AI problem-solving?",Understand 6,"Differentiate between forward chaining and backward chaining.",Analyze 7,"What is knowledge representation?",Understand

8,"Explain the semantic network approach.",Apply

9,"What are heuristics in AI search techniques?",Understand 10,"Explain the minimax algorithm.",Apply

11,"What is the difference between propositional logic and predicate logic?",Analyze 12,"Explain the characteristics of neural networks.",Understand

13,"What is a perceptron? Write the limitations of the perceptron model.",Analyze

14,"Explain the single-layer continuous perceptron network for linearly separable classification.",Apply

15,"Describe the error backpropagation algorithm.",Apply

16,"Explain the training mechanism adopted in the Hopfield network.",Apply 17,"Explain hybrid AI systems and their advantages.",Analyze

18,"Explain the concept of knowledge representation in artificial neural networks.",Apply 19,"Discuss pattern recognition, control, and beamforming learning tasks.",Evaluate 20,"Explain different architectures of artificial neural networks with diagrams.",Analyze 21,"Implement the McCulloch-Pitts network for the AND logic function.",Create 22,"Explain the radial basis function algorithm.",Apply

23,"Describe economic load dispatch using artificial neural networks.",Apply 24,"What is A\* search? Explain with an example.",Apply

25,"Compare A\* search with Greedy Best-First Search.",Analyze

26,"Explain the importance of heuristics in AI search.",Evaluate 27,"Describe constraint satisfaction problems with examples.",Understand 28,"Explain backward chaining and its applications.",Apply

29,"What is fuzzy reasoning? Explain types of fuzzy reasoning systems.",Understand 30,"Explain the difference between Bayesian and certainty factor models.",Analyze 31,"Describe rule-based expert systems.",Understand

32,"Discuss the role of AI in natural language processing (NLP).",Evaluate 33,"Explain reinforcement learning with an example.",Apply

34,"Discuss genetic algorithms and their applications.",Analyze

35,"Explain swarm intelligence techniques such as ant colony optimization.",Apply 36,"What is deep learning? Explain its importance in modern AI.",Understand 37,"Compare supervised, unsupervised, and reinforcement learning.",Analyze 38,"Explain decision trees and their role in AI.",Apply

39,"Describe support vector machines (SVM) for classification.",Apply 40,"Explain k-means clustering with a suitable example.",Apply

41,"What are convolutional neural networks (CNNs)? Explain their working.",Apply 42,"Explain recurrent neural networks (RNNs) and their applications.",Apply 43,"How is AI used in robotics and automation?",Understand

44,"Describe the applications of AI in medical diagnostics.",Analyze 45,"Explain natural language processing (NLP) and its challenges.",Analyze 46,"Discuss AI applications in recommendation systems.",Analyze 47,"Explain the role of AI in cybersecurity.",Evaluate

48,"Describe how AI is used in self-driving cars.",Apply 49,"What are ethical concerns in AI development?",Evaluate 50,"Explain the concept of explainable AI (XAI).",Analyze 51,"Discuss federated learning and its applications.",Analyze

52,"Explain the use of AI in personalized healthcare.",Apply 53,"Discuss the importance of explainability in AI models.",Evaluate 54,"Explain the concept of adversarial attacks on AI models.",Analyze 55,"How does AI contribute to financial market predictions?",Apply 56,"Describe AI applications in smart cities and IoT.",Apply 57,"Discuss the impact of AI on supply chain management.",Analyze 58,"Explain the future trends in AI research.",Evaluate