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