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Thank You!

✓

Thank You!

Score : 27/30

Question 1. What is the primary goal of Artificial Intelligence?

Correct Answer : To simulate human intelligence.

Your Answer : To simulate human intelligence.

Question 2. What is the correct syntax for a while loop in Python?

Correct Answer : while condition:

Your Answer : while condition:

Question 3. Which function is used to generate a sequence of numbers in Python?

Correct Answer : range()

Your Answer : range()

Question 4. What is the default port for HTTP?

Correct Answer : 80

Your Answer : 80

Question 5. Which function is used to get the current working directory in Python?

Correct Answer : os.getcwd()

Your Answer : os.getcwd()

Question 6. Which evaluation metric is suitable for regression models?

Correct Answer : R2 Score

Your Answer : R2 Score

↑

Correct Answer : To summarize the main characteristics of data

Your Answer : To summarize the main characteristics of data

Question 8. Which evaluation metric is most suitable for imbalanced classification problems?

Correct Answer : F1-score

Your Answer : F1-score

Question 9. Which method is used to remove duplicates in a Pandas DataFrame?

Correct Answer : drop_duplicates()

Your Answer : drop_duplicates()

Question 10. What does a 'reactive AI system' do?

Correct Answer : Responds to current scenarios without memory.

Your Answer : Responds to current scenarios without memory.

Question 11. What does 'overfitting' in a machine learning model mean?

Correct Answer : The model performs well on training data but poorly on unseen data

Your Answer : The model performs well on training data but poorly on unseen data

Question 12. What is the role of max pooling in CNNs?

Correct Answer : To reduce spatial dimensions

Your Answer : To reduce spatial dimensions

Question 13. Which Python function is used to find the length of a list?

Correct Answer : len()

Your Answer : len()

Question 14. What is a common drawback of using K-Means Clustering?

Correct Answer : Sensitivity to initial centroids and outliers.

Your Answer : Sensitivity to initial centroids and outliers.

Question 15. Which Python library is best suited for creating interactive visualizations?

Correct Answer : Plotly

Your Answer : Plotly

Question 16. What is the purpose of a learning rate in optimization?

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Your Answer : To control the step size during weight updates

Question 17. Which Python library is used for advanced data visualizations?

Correct Answer : Seaborn

Your Answer : Seaborn

Question 18. What is the primary purpose of Bootstrap?

Correct Answer : To create responsive web designs.

Your Answer : To create responsive web designs.

Question 19. Which HTML tag is used to add an image?

Correct Answer : <img>

Your Answer : <div>

Question 20. What is the primary purpose of word embeddings in NLP?

Correct Answer : To represent words as dense vectors capturing semantic meaning

Your Answer : To normalize text data

Question 21. Which metric is used to evaluate multi-class classification?

Correct Answer : Confusion Matrix

Your Answer : Confusion Matrix

Question 22. What is the purpose of dropout in deep learning?

Correct Answer : To prevent overfitting by randomly ignoring neurons

Your Answer : To prevent overfitting by randomly ignoring neurons

Question 23. Which technique is used to train very deep neural networks?

Correct Answer : Residual Connections

Your Answer : Residual Connections

Question 24. What is an activation function in a neural network?

Correct Answer : A function that determines the output of a neuron

Your Answer : A function that determines the output of a neuron

Question 25. Which type of neural network is best suited for image recognition tasks?

Correct Answer : CNN

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Question 26. What is the function of a pooling layer in CNNs?

Correct Answer : To reduce the spatial dimensions of the feature map

Your Answer : To reduce the spatial dimensions of the feature map

Question 27. <p>Which HTML tag is used to define the structure of a webpage? </p>

Correct Answer : <div>&lt;div&gt;</div>

Your Answer : <p><html></p>

Question 28. What does batch normalization aim to achieve in neural networks?

Correct Answer : Stabilizing and accelerating training

Your Answer : Stabilizing and accelerating training

Question 29. What is the role of gradient clipping in training neural networks?

Correct Answer : To prevent gradients from becoming too large and destabilizing training

Your Answer : To prevent gradients from becoming too large and destabilizing training

Question 30. What is a vanishing gradient problem in deep learning?

Correct Answer : Gradients become too small to update weights

Your Answer : Gradients become too small to update weights