

Huawei

H13-311_V3.0 Exam

Huawei HCIA-AI V3.0 Exam

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QUESTIONS & ANSWERS
(RETAIL VERSION - FULL QUESTIONS SET)

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Product Questions: 369

Version: 6.0

Question: 1

Which of the following are AI Subfield?

- A. Machine learning
- B. Computer vision
- C. Speech Recognition
- D. Natural language processing

Answer: A, B, C, D

Question: 2

Voice recognition refers to the recognition of audio data as text data.

- A. TRUE
- B. FALSE

Answer: A

Question: 3

The three stages of artificial intelligence include computational intelligence, () , Cognitive intelligence.

- A. Weak artificial intelligence
- B. Perceptual intelligence
- C. Behavioral intelligence
- D. Strong artificial intelligence

Answer: B

Question: 4

The following options do not belong to the scope of Huawei's full-stack solution are?

- A. Application enable
- B. Edge computing

- C. Open source framework
- D. Chip enable

Answer: B

Question: 5

In a neural network based on connectionism, each node can express a specific meaning.

- A. TRUE
- B. FALSE

Answer: B

Question: 6

According to the American Society of Automotive Engineers (SAE) The automatic driving is divided into Which level?

- A. L1~L4
- B. L1~L5
- C. L0~L4
- D. L0~L5

Answer: D

Question: 7

Computer vision is the study of how to make computers "see".

- A. TRUE
- B. FALSE

Answer: A

Question: 8

Which of the following aspects belong to Huawei's full stack AI solution?

- A. Ascend
- B. CANN
- C. ModelArts
- D. MindSpore

Answer: A, B, C, D

Question: 9

Jobs that are repetitive and require weak social skills are the easiest to be AI Replaced work.

- A. TRUE
- B. FALSE

Answer: A

Question: 10

Huawei AI The whole scenario includes public cloud, private cloud, various edge computing, IoT industry terminals and consumer. The deployment environment of terminal, edge, and cloud for fee-based terminals.

- A. TRUE
- B. FALSE

Answer: A

Question: 11

What is the performance of artificial intelligence in the stage of perceptual intelligence?

- A. Machines begin to understand, think and make decisions like humans
- B. Machines begin to calculate and transmit information just like humans
- C. The machine starts to understand and understand, make judgments, and take some simple actions

Answer: C

Question: 12

On the premise of ensuring data privacy and security, federated learning utilizes different data sources to cooperatively train models to improve breakthroughs in data bottlenecks.

- A. TRUE
- B. FALSE

Answer: A

Question: 13

Where is the main foothold of symbolism?

- A. The foothold is in neuron networks and deep learning.
- B. The foothold is reasoning, symbolic reasoning and machine reasoning.
- C. The foothold is perception and action.
- D. The foothold is behavior control, adaptive and evolutionary computing.

Answer: B

Question: 14

Artificial intelligence at this stage is still in the weak artificial intelligence stage.

- A. TRUE
- B. FALSE

Answer: A

Question: 15

Which of the following are AI Application areas?

- A. Wisdom education
- B. Smart City
- C. Smart home
- D. Smart medical

Answer: A, B, C, D

Question: 16

Artificial intelligence is the research and development of theories, methods and application systems used to simulate, extend and expand human intelligence Of a new technological science.

- A. TRUE
- B. FALSE

Answer: A

Question: 17

The current technology application directions of artificial intelligence mainly include?

- A. Natural language processing
- B. Control System
- C. Computer vision

D. Speech Recognition

Answer: A, C, D

Question: 18

Huawei AI The full scenarios include public cloud, private cloud, various edge computing, IoT industry terminals, and consumer terminals and other end, edge, and cloud deployment environments.

- A. TRUE
- B. FALSE

Answer: A

Question: 19

Feature is the dimension that describes the characteristics of the sample. Regarding its interpretability in traditional machine learning and deep learning, the following statement is correct:

- A. Features are interpretable in traditional machine learning, but weak in deep learning
- B. Features are weak in traditional machine learning, but strong in deep learning
- C. Features are weak in interpretability in traditional machine learning and deep learning
- D. Features are interpretable in traditional machine learning and deep learning

Answer: A

Question: 20

The model composed of machine learning algorithms cannot represent the true data distribution function on a theoretical level. Just approach it.

- A. TRUE
- B. FALSE

Answer: A

Question: 21

Among the machine learning algorithms, the following is not an integrated learning strategy?

- A. Boosting
- B. Stacking
- C. Bagging
- D. Marking

Answer: D

Question: 22

The loss function of logistic regression is the cross-entropy loss function.

- A. TRUE
- B. FALSE

Answer: A

Question: 23

Regular term can also be added to logistic regression to avoid overfitting.

- A. TRUE
- B. FALSE

Answer: A

Question: 24

Linear regression in 3 The fitted surface in the dimension above dimension is?

- A. Curved surface
- B. flat
- C. Hyperplane
- D. Hypersurface

Answer: C

Question: 25

K Folding cross-validation refers to dividing the test data set into K Sub-data sets.

- A. TRUE
- B. FALSE

Answer: B

Question: 26

Grid search is a method of parameter adjustment.

- A. TRUE

B. FALSE

Answer: B

Question: 27

Which of the following statements about supervised learning is correct?

- A. Decision tree is a supervised learning
- B. Supervised learning cannot use cross-validation for training
- C. Supervised learning is a rule-based algorithm
- D. Supervised learning can be trained without labels

Answer: A

Question: 28

When dealing with actual problems, when should machine learning be used in the following situations?

- A. The data distribution itself changes over time, requiring continuous re-adaptation of the program, such as predicting the trend of merchandise sales
- B. The complexity of the rules is low, and the problem is small
- C. Task rules will change over time, such as defect detection on the production line
- D. The rules are very complicated or cannot be described, such as face recognition and voice recognition

Answer: A, C, D

Question: 29

Regularization is an important and effective technique for reducing generalization errors in traditional machine learning. The following techniques are regular. The technology is:

- A. L1 Regularization
- B. L2 Regularization
- C. Dropout
- D. Momentum optimizer

Answer: A, B, C

Question: 30

The following is the correct difference between machine learning algorithms and traditional rule-based methods?

- A. Traditional rule-based methods, in which the rules can be explicitly clarified manually
- B. Traditional rule-based methods use explicit programming to solve problems
- C. The mapping relationship of the model in machine learning is automatically learned
- D. The mapping relationship of the model in the machine learning institute must be implicit

Answer: A, B, C

Question: 31

Bagging In integrated learning, the relationship between each base learner is?

- A. Additive relationship
- B. relationship
- C. The latter model must be built on top of the previous model
- D. Independent

Answer: B

Question: 32

After the data has completed the feature engineering operation, in the process of constructing the model, which of the following options is not a step in the decision tree construction process?

- A. Pruning
- B. Feature selection
- C. Data cleaning
- D. Decision tree generation

Answer: C

Question: 33

SVM What are the commonly used kernel functions in?

- A. Gaussian kernel function
- B. Polynomial kernel function
- C. Sigmoid Kernel function
- D. Linear kernel

Answer: A, B, C, D

Question: 34

In the gradient descent algorithm, which of the following algorithms is the most confusing algorithm for the trajectory on the loss function surface?

- A. SGD
- B. BGD
- C. MGD
- D. MBGD

Answer: A

Question: 35

During the two classification process, we can set any category as a positive example.

- A. TRUE
- B. FALSE

Answer: A

Question: 36

When we describe the house, we usually use the attributes such as residential area, house type, decoration type, etC. If we use plain With Bayes as a model, we assume that there is no relationship between attributes.

- A. TRUE
- B. FALSE

Answer: A

Question: 37

Loss function and model function are the same thing.

- A. TRUE
- B. FALSE

Answer: B

Question: 38

From the labeled historical data, we can predict that the retail sales of the next quarter will be in 20-30 Wan still 30-40 Ten thousand", What is the problem?

- A. Regression problem
- B. Rule problem
- C. Classification problem
- D. Clustering problem

Answer: C

Question: 39

GBDT Compared with the random forest algorithm, which of the following statements is wrong?

- A. GBDT Algorithm is easier to underfit than random forest
- B. Random forest is calculated in parallel, while GBDT Can't
- C. GBDT Algorithm is easier to overfit than random forest
- D. GBDT And random forest are built on CART Based on the tree

Answer: C

Question: 40

twenty two.Among machine learning algorithms, which of the following is not unsupervised learning?

- A. GMM
- B. Xgboost
- C. Clustering
- D. Association rules

Answer: B

Question: 41

The training error will continue to decrease as the model complexity increases.

- A. TRUE
- B. FALSE

Answer: A

Question: 42

If a model has a large deviation on the test set and a small variance, it means that the model?

- A. Overfitting
- B. May be overfitting may be underfitting
- C. Just fit
- D. Underfitting

Answer: D

Question: 43

With a lot of sales data but no labels, companies want to identify VIP Customer, the following model Suitable?

- A. Logistic regression
- B. SVM
- C. K-Means
- D. Hierarchical clustering

Answer: C, D

Question: 44

In machine learning, what input the model needs to train itself and predict the unknown?

- A. Manual procedure
- B. Neural Networks
- C. Training algorithm
- D. historical data

Answer: D

Question: 45

In polynomial regression, there is a square term in the formula of the model, so it is not linear.

- A. TRUE
- B. FALSE

Answer: B

Question: 46

What are the common types of dirty data?

- A. Malformed value
- B. Duplicate value
- C. Logically wrong value
- D. Missing value

Answer: A, B, C, D

Question: 47

What is the most important difference between batch gradient descent, mini-batch gradient descent, and stochastic gradient descent?

- A. Gradient size
- B. Gradient direction
- C. Learning rate
- D. Number of samples used

Answer: D

Question: 48

The following evaluation indicators belonging to the regression algorithm are?

- A. Recall rate
- B. Confusion matrix
- C. Mean square error
- D. Accuracy

Answer: C

Question: 49

The following description of machine learning is correct?

- A. Deep learning is a branch of machine learning
- B. Deep learning and machine learning are mutually inclusive
- C. Deep learning and machine learning are both artificial intelligence but have no relationship to each other
- D. None of the above

Answer: A

Question: 50

The following about KNN Algorithm k The value description is correct?

- A. K The larger the value, the easier the model is to overfit
- B. K The larger the value, the smoother the segmentation surface of the classification
- C. K Value is a hyperparameter
- D. can k Value is set to 0

Answer: B, C

Question: 51

In polynomial regression, there is a square term in the formula of the model, so it is not linear.

- A. TRUE
- B. FALSE

Answer: B

Question: 52

Add to the loss function of linear regression L1 Regular term, this time the regression is called Lasso return.

- A. TRUE
- B. FALSE

Answer: A

Question: 53

The label predicted by the regression algorithm is?

- A. Self-deformation
- B. Discrete
- C. Strain type
- D. Continuous

Answer: D

Question: 54

Global gradient descent algorithm, stochastic gradient descent algorithm and batch gradient descent algorithm are all gradient descent algorithms. The following is wrong about its advantages and disadvantages.

- A. The global gradient algorithm can find the minimum value of the loss function
- B. Batch gradient algorithm can solve the local minimum problem
- C. Stochastic gradient algorithm can find the minimum value of the loss function
- D. The convergence process of the global gradient algorithm is time-consuming

Answer: C

Question: 55

In random forest, what strategy is used to determine the outcome of the final ensemble model?

- A. Cumulative system
- B. Find the average
- C. Voting system
- D. Cumulative system

Answer: B, C

Question: 56

The test error will keep getting smaller as the complexity of the model increases.

- A. TRUE
- B. FALSE

Answer: B

Question: 57

What are the common clustering algorithms?

- A. Density clustering
- B. Hierarchical clustering
- C. Spectral clustering
- D. Kmeans

Answer: A, B, C, D

Question: 58

In supervised learning, "Those who are near Zhu are red and those who are near Mo are black" Is used to describe which of the following models?

- A. K-Means
- B. SVM
- C. KNN
- D. Neural Networks

Answer: C

Question: 59

The naive Bayes algorithm does not require independent and identical distribution among sample features.

- A. TRUE
- B. FALSE

Answer: B

Question: 60

In a convolutional neural network, different layers have different functions. Which of the following layers can play the role of dimensionality reduction?

- A. Input layer
- B. Fully connected layer
- C. Convolutional layer
- D. Pooling layer

Answer: B, C, D

Question: 61

Which of the following activation functions are prone to vanishing gradient problems?

- A. ReLU
- B. Softplus
- C. Tanh
- D. Sigmoid

Answer: C, D

Question: 62

The following about the standard RNN Model, the correct statement is?

- A. There is no one-to-one model structure
- B. Do not consider the time direction when backpropagating
- C. There is no many-to-many model structure
- D. There will be a problem of attenuation of long-term transmission and memory information

Answer: D

Question: 63

In the process of training the neural network, we use the gradient descent method to continuously

update which value, which makes the loss Function minimization?

- A. Number of samples
- B. Eigenvalues
- C. Hyperparameter
- D. parameter

Answer: D

Question: 64

Feedforward neural network is a simple neural network, each neuron is arranged hierarchically, it is currently one of the most widely used and fastest growing artificial neural networks. The following statement about

feedforward neural networks is correct:

- A. Neurons with computing power are connected to the upper and lower layers
- B. Its input node has computing power
- C. Connecting neurons in the same layer
- D. Information only along-Pass through

Answer: D

Question: 65

In neural networks, which of the following methods are used to update the parameters when training the network to minimize the loss function?

- A. Forward propagation algorithm
- B. Pooling calculation
- C. Convolution calculation
- D. Backpropagation algorithm

Answer: D

Question: 66

The optimizer is an important part of training neural networks. The purpose of using the optimizer does not include which of the following:

- A. Speed up algorithm convergence
- B. Reduce the difficulty of manual parameter setting
- C. Avoid overfitting
- D. Avoid local extremes

Answer: C

Question: 67

The perceptron can be displayed in space as?

- A. line
- B. flat
- C. Hyperplane
- D. point

Answer: C

Question: 68

The loss function reflects the error between the target output and actual output of the neural network. The commonly used loss function in deep learning is:

- A. Exponential loss function
- B. Mean square loss function
- C. Log loss function
- D. Hinge Loss function

Answer: B

Question: 69

There are many types of neural networks in deep learning. The following neural network information is one-way propagation:

- A. LSTM
- B. Convolutional Neural Network
- C. Recurrent neural network
- D. GRU

Answer: B

Question: 70

In the deep learning neural network, the perceptron is the simplest neural network. The correct statement about its structure is:

- A. There are only two hidden layers
- B. Only one hidden layer
- C. Its network uses Sigmoid Activation function
- D. Its network uses Relu Activation function

Answer: B

Question: 71

Generative confrontation networks are currently widely used. The following scenarios can use this network?

- A. Data enhancement
- B. Semantic segmentation
- C. Information retrieval
- D. Image generation

Answer: A, B, C, D

Question: 72

Recurrent neural network is different from convolutional neural network, it is better at solving the following problems?

- A. Sequence related issues
- B. Image classification
- C. Image detection
- D. Recommended question

Answer: A

Question: 73

In neural networks, weights are often shared. Which of the following neural networks will share weights?

- A. sensor
- B. Convolutional Neural Network
- C. Fully connected neural network
- D. Recurrent neural network

Answer: B, D

Question: 74

In deep learning tasks, when encountering data imbalance problems, which of the following methods can we use to solve the problem?

- A. batch deletion
- B. Random oversampling
- C. Synthetic sampling

D. Random undersampling

Answer: B, C, D

Question: 75

Regarding backpropagation, the following statement is wrong?

- A. Backpropagation can only be used in feedforward neural networks
- B. Backpropagation can be combined with gradient descent algorithm to update network weights
- C. Backpropagation passes through the activation function
- D. Back propagation refers to the back propagation of errors through the network

Answer: A

Question: 76

The commonly used loss functions in deep learning are?

- A. L1 Loss function
- B. Mean square error loss function
- C. Cross entropy error loss function
- D. Self-declining loss function

Answer: B, C

Question: 77

The following applications that are not part of the adversarial generation network are?

- A. Text generation
- B. Image generation
- C. Image Identification
- D. Data enhancement

Answer: C

Question: 78

All convolution kernels of the same convolution layer in the convolutional neural network are weight-sharing.

- A. TRUE
- B. FALSE

Answer: A

Question: 79

It is known that the total parameter of a certain layer of the fully connected neural network is 330, The number of neurons in the previous layer and this layer May be?

- A. 32 with 10
- B. 10 with 33
- C. 33 with 10
- D. 9 with 33

Answer: B, C

Question: 80

When training the network of God, we often encounter many problems. For the problem of vanishing gradient, we can choose to make. Which of the following functions to alleviate the problem?

- A. Relu function
- B. Sigmoid function
- C. tanh function
- D. Softsign function

Answer: A

Question: 81

The number of hidden layers of the deep learning neural network has a certain impact on the performance of the network. The following statement about its impact is correct.:

- A. The number of hidden layers is appropriately reduced, and the resolution ability of the neural network remains unchanged
- B. Increase the number of hidden layers appropriately, the stronger the resolution ability of the neural network
- C. The number of hidden layers is appropriately reduced, the stronger the resolution ability of the neural network is
- D. The number of hidden layers increases appropriately, the weaker the resolution ability of the neural network

Answer: B

Question: 82

In the process of deep learning model training, what are the common optimizers?

- A. Adam
- B. Adagrad
- C. SGD
- D. Momentum

Answer: A, B, C, D

Question: 83

In the classic convolutional neural network model, Softmax What hidden layer does the function follow?

- A. Convolutional layer
- B. Pooling layer
- C. Fully connected layer
- D. All of the above

Answer: C

Question: 84

The following statement about recurrent neural networks is wrong?

- A. Recurrent neural network can be unfolded according to the time axis
- B. LSTM Unable to solve the problem of vanishing gradient
- C. LSTM It is also a recurrent neural network
- D. Recurrent neural network can be abbreviated as RNN

Answer: B

Question: 85

For the image classification problem, which of the following neural networks is more suitable to solve this problem?

- A. sensor
- B. Recurrent neural network
- C. Convolutional Neural Network
- D. Fully connected neural network

Answer: C

Question: 86

The activation function plays an important role in the neural network model learning and understanding of very complex problems. The following statement about the activation function is correct.

- A. Activation functions are linear functions
- B. Activation functions are non-linear functions
- C. The activation function is partly a nonlinear function, partly a linear function
- D. Most of the activation functions are nonlinear functions, and a few are linear functions

Answer: B

Question: 87

Generating a confrontation network is like a game system. The generator generates fake samples, and the discriminator judges whether it is true or false. Our ideal result is?

- A. The generator produces roughly the same samples
- B. The discriminator efficiently distinguishes the true and false samples generated by the generator
- C. The discriminator cannot distinguish the true and false samples generated by the generator
- D. The generator produces different samples

Answer: C

Question: 88

Deep learning neural network training requires a lot of matrix calculations. Generally, we need to use hardware to enable the computer to have parallel computing capabilities. The following hardware devices _____ can _____ provide

parallel computing capabilities.:

- A. Motherboard
- B. RAM
- C. GPU
- D. CPU

Answer: C

Question: 89

Which of the following steps in deep learning are automatically completed by the model?

- A. Model training
- B. Feature selection
- C. Analysis and positioning task
- D. Feature extraction

Answer: B, D

Question: 90

Regarding the convolutional neural network pooling layer, the following description is correct?

- A. Pooling operation is realized by scanning window
- B. The pooling layer can play a role in dimensionality reduction
- C. Commonly used pooling methods include maximum pooling and average pooling
- D. The pooled feature image becomes smaller

Answer: A, B, C, D

Question: 91

In the deep learning network, the backpropagation algorithm is used to find the optimal parameters. What rules are used in the backpropagation algorithm to obtain the derivation layer by layer?

- A. Chain rule
- B. Cumulative rule
- C. Law of reciprocity
- D. Rule of Normalization

Answer: A

Question: 92

L1 with L2 Regularization is a method commonly used in traditional machine learning to reduce generalization errors. The following is about the two. The right way is:

- A. L1 Regularization can do feature selection
- B. L1 with L2 Regularization can be used for feature selection
- C. L2 Regularization can do feature selection
- D. L1 with L2 Regularization cannot be used for feature selection

Answer: A

Question: 93

Traditional machine learning and deep learning are the core technologies of artificial intelligence. There is a slight difference in the engineering process. The following steps. What you don't need to do in deep learning is:

- A. Model evaluation

- B. Feature engineering
- C. Data cleaning
- D. Model building

Answer: B

Question: 94

The pooling layer in the convolutional neural network can reduce the size of the lower layer input. Common pooling is:

- A. Minimum strata
- B. Product pooling layer
- C. Maximum pooling layer
- D. Average pooling layer

Answer: C, D

Question: 95

In deep learning, if the neural network has a large number of layers, the problem of gradient disappearance is more likely to occur. Strictly speaking, in which of the following links does the sample disappearance problem occur?

- A. Backpropagation update parameters
- B. Forward the dream and update
- C. Backpropagation calculation result
- D. Forward calculation results

Answer: A

Question: 96

Recurrent neural networks can capture dynamic information in serialized data.

- A. TRUE
- B. FALSE

Answer: A

Question: 97

Where should the labeled data be placed in the confrontation generation network?

- A. As the output value of the generated model
- B. As the input value of the discriminant model
- C. As the output value of the discriminant model
- D. As input value for generative model

Answer: B

Question: 98

If the deep learning neural network has the problem of gradient disappearance or gradient explosion, our common solution is.

- A. Gradient shear
- B. Random undersampling
- C. use Relu Activation function
- D. Regularization

Answer: A, C, D

Question: 99

enter 32*32 Image with size 5*5 The step size of the convolution kernel is 1 Convolution calculation, output image Size is:

- A. 28*23
- B. 28*28
- C. 29*29
- D. 23*23

Answer: B

Question: 100

When training the network, we often encounter many problems. For the problem of gradient disappearance, we can alleviate the problem by choosing which of the following functions to use?

- A. Softsign function
- B. Relu function
- C. tanh function
- D. Sigmoid function

Answer: B

Question: 101

Which of the following are the activation functions of deep learning algorithms?

- A. Sigmoid
- B. ReLU
- C. Tanh
- D. Sin

Answer: A, B, C

Question: 102

In the process of training the neural network, our goal is to keep the loss function reduced. Which of the following methods do we usually use to minimize the loss function?

- A. Gradient descent
- B. Dropout
- C. Cross-validation
- D. Regularization

Answer: A

Question: 103

What people say about neural networks is wrong?

- A. As the number of hidden layers of the neural network increases, the classification ability of the model gradually weakens
- B. The limitation of a single-layer perceptron is that it cannot solve the XOR problem
- C. The feedforward neural network can be represented by a directed acyclic graph
- D. There is no connection between neurons in the same layer of the feedforward neural network

Answer: A

Question: 104

TensorFlow2.0 The methods that can be used for tensor merging are?

- A. join
- B. concat
- C. split
- D. unstack

Answer: B

Question: 105

TensorFlow2.0 middle Keras The three main advantages of the interface are user-friendly, modular and Combination, easy to expand.

- A. TRUE
- B. FALSE

Answer: A

Question: 106

tf.keras.datasets Can view keras The built-in data set.

- A. TRUE
- B. FALSE

Answer: A

Question: 107

Cut off 2019 At the end of the year, TensorFlow The released versions are?

- A. 1
- B. 3
- C. 2
- D. 0.1

Answer: A, C, D

Question: 108

TensorFlow It is an end-to-end open source platform for machine learning and deep learning.

- A. TRUE
- B. FALSE

Answer: A

Question: 109

TensorFlow It is one of the most popular deep learning frameworks.

- A. TRUE
- B. FALSE

Answer: A

Question: 110

The following code was used when compiling the model: `model.compile(optimizer='Adam', loss='categorical_crossentropy', metrics=[tf.keras.metrics.accuracy])`, currently using evaluate. When the method evaluates the model, which of the following indicators will be output?

- A. accuracy
- B. categorical_loss
- C. loss
- D. categorical accuracy

Answer: A, C

Question: 111

TensorFlow2.0 of keras.metrics The methods that are not included in the built-in indicators are?

- A. Accuracy
- B. Recall
- C. Sum
- D. Mean

Answer: C

Question: 112

TensorFlow2.0 The mechanism of graphs and conversations has been cancelled in.

- A. TRUE
- B. FALSE

Answer: B

Question: 113

When using TensorFlow2.0 of keras When building a neural network with an interface, the network needs to be compiled. Which of the following methods should be used to work?

- A. compile
- B. write
- C. join
- D. fit

Answer: A

Question: 114

None of the following options TensorFlow2.0. The supported operators are:

- A. pow
- B. @
- C. ^
- D. //

Answer: C

Question: 115

TensorFlow The data type used is?

- A. Scalar
- B. Vector
- C. Tensor
- D. Matrix

Answer: C

Question: 116

TensorFlow 2.0 stand by GPU The acceleration is mainly manifested in the parallel operation of the addition, subtraction, multiplication and division of the matrix accelerate.

- A. TRUE
- B. FALSE

Answer: A

Question: 117

The following belongs to TensorFlow2.0 The characteristic is?

- A. Introduce Keras interface
- B. Support static image mechanism
- C. Support more platforms and more languages
- D. Continue to be compatible Tensorflow1.x Related modules

Answer: A, C, D

Question: 118

PyTorch All existing versions support Python2 with Python3?

- A. TRUE
- B. FALSE

Answer: B

Question: 119

TensorFlow2.0 not support tensor in GPU with CPU Transfer between each other.

- A. TRUE
- B. FALSE

Answer: B

Question: 120

The following does not belong TensorFlow2.0 Is characterized by?

- A. Multi-core CPU accelerate
- B. distributed
- C. multi-language
- D. Multi-platform

Answer: A

Question: 121

TensorFlow 2.0 The way to view tensor dimensions in is?

- A. dims
- B. dtype
- C. ndim
- D. device

Answer: C

Question: 122

Code `model.fit(mnist.train.inimage,mnist.train.labels,epochs=5)`in of epochs Parameter representative?

- A. The entire training set will be trained 5 Times
- B. The entire test set will be tested 5 Times
- C. The entire training set will be divided into 6 Share
- D. The entire training set will be divided into 5 Share

Answer: A

Question: 123

The following options belong to keras under estimator The encapsulation methods are?

- A. Assessment
- B. training
- C. prediction
- D. Output model

Answer: A, B, C

Question: 124

Among the following properties TensorFlow2.0 Does not support creation tensor. The method is?

- A. zeros
- B. fill
- C. create
- D. constant

Answer: C

Question: 125

PyTorch Which of the following functions does not have?

- A. Inline keras
- B. Support dynamic graph
- C. Automatic derivative
- D. GPU accelerate

Answer: A

Question: 126

TensorFlow in keras The built-in optimizer of the module has?

- A. Adam
- B. SGD
- C. Adaboost
- D. Adadelata

Answer: A, B, C, D

Question: 127

TensorFlow2.0 Can be used to check if it is tensor The methods are?

- A. dtype
- B. isinstance
- C. is_tensor
- D. device

Answer: B, C

Question: 128

TensorFlow Which of the following companies first developed?

- A. Oracle
- B. Facebook
- C. Nvidia
- D. Google

Answer: D

Question: 129

Pytorch Which company launched it first?

- A. Baidu
- B. Google
- C. Facebook
- D. Huawei

Answer: C

Question: 130

TensorFlow2.0 of keras.preprocessing The role is?

- A. keras Data processing tools
- B. keras Built-in optimizer
- C. keras Model deployment tool
- D. Keras Generative model tool

Answer: A

Question: 131

in TensorFlow2.0 in tf.contrib The method can continue to be used.

- A. TRUE
- B. FALSE

Answer: B

Question: 132

Not supported in the following options TensorFlow2.0 The attributes for dimensional transformation are.

- A. squeeze
- B. reshape
- C. gather
- D. transpose

Answer: C

Question: 133

Tensor Yes MindSpore The storage component of the data.

- A. TRUE
- B. FALSE

Answer: A

Question: 134

Which of the following is not MindSpore common Operation?

- A. signal
- B. math
- C. nn

D. array

Answer: A

Question: 135

On-Device Execution, that is, the entire image is offloaded and executed, and the computing power of the Yiteng chip can be fully utilized, which can greatly reduce the interaction overhead, thereby increasing the

accelerator occupancy rate. On-Device The following description is wrong?

A. MindSpore Realize decentralized autonomy through adaptive graph optimization driven by gradient data A11 Reduce, Gradient aggregation is in step, and calculation and communication are fully streamlined

B. Challenges of model execution under super chip computing power: Memory wall problems, high interaction overhead, and difficulty in data supply. Partly in Host Executed, partly in Device Execution, interaction

overhead is even much greater than execution overhead, resulting in low accelerator occupancy

C. MindSpore Through the chip-oriented depth map optimization technology, the synchronization wait is less, and the "data computing communication" is maximized. The parallelism of "trust", compared with training

performance Host Side view scheduling method is flat

D. The challenge of distributed gradient aggregation under super chip computing power: ResNet50 Single iteration 20ms Time will be generated The synchronization overhead of heart control and the communication

overhead of frequent synchronization. Traditional methods require 3 Synchronization completed A11 Reduce, Data-driven method autonomy A11 Reduce, No control overhead

Answer: C

Question: 136

Which of the following is not MindSpore Features of the core architecture?

A. Automatic differentiation

B. Automatic tuning

C. Automatic coding

D. Automatic parallel

Answer: C

Question: 137

MSIR It is a simple, efficient and flexible graph-based function IR, A functional semantic type that can be represented Have?

- A. Free variable
- B. Higher order function
- C. Interrupt
- D. Recursion

Answer: A, B, D

Question: 138

Faced with the challenge of achieving efficient distributed training for ultra-large-scale models, MindSpore is handled as?

- A. Automatic parallel
- B. Serial
- C. Manual parallel

Answer: A

Question: 139

Ce11 Provides basic modules for defining and performing calculations, Ce11 The object can be executed directly, the following statement is wrong?

- A. __init__, Initialization parameters(Parameter), Submodule(Ce11),operator(Primitive)Equal group Software for initial verification
- B. Construct, Define the execution process. In graph mode, it will be compiled into graphs for execution, and there is no syntax restriction
- C. There's some left optim Commonly used optimizers,wrap Pre-defined commonly used network packaging functions Ce11
- D. bprop (Optional), The reverse of the custom module

Answer: A, C, D

Question: 140

Facing industry research and full scenarios AI The huge gap between applications, MindSpore Bridging the application gap to help inclusiveness AI Of technological innovation does not include which of the following?

- A. New ways of collaboration
- B. New programming language
- C. New programming paradigm

D. New execution mode

Answer: B

Question: 141

During application development, which of the following operations is not a typical network definition?

- A. Network definition
- B. Network execution
- C. Knowledge distillation
- D. Weight initialization

Answer: C

Question: 142

Use with Atlas300 (3000) What conditions need to be checked when the accelerator card server compiles and runs the program?

- A. carry out Atlas Driver Installation
- B. It has been installed CUDA Software package
- C. It has been installed Cmake Compilation tool
- D. Complete environment configuration

Answer: A, C, D

Question: 143

From the perspective of technical architecture AI The classification of chips includes?

- A. FPGA
- B. CPU
- C. GPU
- D. ASIC

Answer: A, B, C, D

Question: 144

Root The user cannot install Atlas300 (3000) Install the accelerator card on the server DDK (Device Development Kit), Can only be installed by ordinary users.

- A. TRUE
- B. FALSE

Answer: A

Question: 145

Atlas 200 DK Yiteng 310 The main application of the chip is?

- A. Model reasoning
- B. Build model
- C. Training model

Answer: A

Question: 146

The main computing resources included in the Da Vinci architecture computing unit are?

- A. Vector calculation unit
- B. Scalar Computing Unit
- C. Tensor computing unit
- D. Matrix calculation unit

Answer: A, B, D

Question: 147

AI Chip is also called AI Accelerators are specially designed to handle a large number of computing tasks in artificial intelligence applications functional module.

- A. TRUE
- B. FALSE

Answer: A

Question: 148

Deflated AI The logical architecture of the processor does not include which of the following options?

- A. DVPP
- B. GPU
- C. AI Calculation engine
- D. Chip system control CPU

Answer: B

Question: 149

View Atlas300 (3000) Which command should be used if the accelerator card driver is installed successfully?

- A. npu-sim info
- B. npu info
- C. atlas-driver info
- D. atlas info

Answer: A

Question: 150

With Atlas300 (3000) Install the accelerator card in the server DDK (Device Development Kit) Only need to install when dependent on the environment Python3.

- A. TRUE
- B. FALSE

Answer: A

Question: 151

AI Chips are divided into business applications and can be divided into?

- A. training
- B. GPU
- C. Model building
- D. reasoning

Answer: A, D

Question: 152

Which command can be checked Atlas 300 (3000) Whether the accelerator card is in place?

- A. lspci | grep'npu'
- B. lspci | grep'd100'
- C. lspci grep'atlas'
- D. atlas info

Answer: B

Question: 153

GPU Good at computationally intensive and easy to parallel programs.

- A. TRUE
- B. FALSE

Answer: A

Question: 154

Atlas 800 AI There are multiple models of servers, of which the one based on the Kunpeng processor platform is?

- A. Atlas 800 model: 9000
- B. Atlas 800 model: 3000
- C. Atlas 800 model: 3010

Answer: B

Question: 155

Ascend among the following options 310 And Shengteng 910 The attributes are the same?

- A. Maximum power
- B. Architecture
- C. Integer precision
- D. 7nm Process

Answer: B

Question: 156

Huawei Ascend AI Chip is NPU (Neural network processor) One of the typical representatives.

- A. TRUE
- B. FALSE

Answer: A

Question: 157

Atlas accelerate AI What processor is used for inference?

- A. Different 910 processor
- B. Different 310 processor
- C. GPU

D. FPGA

Answer: B

Question: 158

Which of the following libraries are installed Atlas300 (3000) Install the accelerator card in the server DDK (Device Development Kit) What needs to be installed before?

- A. decorator
- B. setuptools
- C. numpy
- D. tensorflow

Answer: A, B, C

Question: 159

CPU Mainly through increasing instructions, increasing the number of cores, etc. to improve AI performance.

- A. TRUE
- B. FALSE

Answer: A

Question: 160

HUAWEI HiAI Which module does the face detection in the platform belong to?

- A. HiAI Engine
- B. HiAI Framework
- C. HiAI Foundation
- D. HiAI Service

Answer: A

Question: 161

HUAWEI HiAI Engine Can easily combine multiple AI Ability and App integrated.

- A. TRUE
- B. FALSE

Answer: A

Question: 162

HiAI Mobile computing platform provides rich upper-level functional services API, Can run efficiently on mobile devices.

- A. TRUE
- B. FALSE

Answer: A

Question: 163

HUAWEI HiAI What are the supported models?

- A. P30
- B. Mate 20
- C. glory V20
- D. iPhone10

Answer: A, B, C

Question: 164

HUAWEI HiAI Which tool does the platform support to integrate with?

- A. Jupyter Notebook
- B. MyEclipse
- C. Android Studio
- D. Spider

Answer: C

Question: 165

Huawei's chip support HUAWEI HiAI Which module of?

- A. HiAI Engine
- B. HiAI Foundation
- C. HiAI Framework
- D. HiAI Service

Answer: B

Question: 166

HUAWEI HiAI Empower APP What value?

- A. Safety
- B. stable
- C. real time
- D. at any time

Answer: A, B, C, D

Question: 167

HiAI What are the advantages of mobile computing platforms?

- A. Quick source code
- B. Diverse tool chain
- C. Complete documentation
- D. plentiful API

Answer: A, B, C, D

Question: 168

Which of the following is HUAWEI HiAI Foundation Function of the module?

- A. App integrated
- B. Let the service actively find users
- C. Quickly convert and migrate existing models
- D. According to user needs, push services at the right time and at the right time

Answer: C

Question: 169

Which of the following statements about universal form recognition services are correct?

- A. rows Represents the line information occupied by the text block, the number is from 0 Start, list form
- B. cols Represents the column information occupied by the text block, the number is from 0 Start, list form
- C. The incoming image data needs to go through base64 coding
- D. words Representative text block recognition result

Answer: A, B, C, D

Question: 170

Image label service returned tag There can be more than one.

- A. TRUE
- B. FALSE

Answer: A

Question: 171

When the voice recognition service is successfully called, which field is the recognition result stored in?

- A. result
- B. content
- C. data
- D. text

Answer: A

Question: 172

When the universal text recognition service is successfully called, the returned text recognition result is stored in which of the following fields?

- A. text
- B. result
- C. content
- D. words

Answer: B

Question: 173

HUAWEI CLOUD EI There are many types of agents according to different industries and application scenarios. Currently, Huawei Cloud EI The agent has?

- A. Industrial Agent
- B. Traffic Agent
- C. Park Agent
- D. Car intelligence

Answer: A, B, C, D

Question: 174

Which of the following items are included in the results returned when the face search service is successfully called?

- A. Searched face similarity
- B. Searched faces id
- C. Searched face position
- D. Searched face number

Answer: A, B, C

Question: 175

ModelArts Service and (). The combination of services can easily deploy the model to "end"?

- A. OBS
- B. OCR
- C. ECS
- D. HiLens

Answer: D

Question: 176

Which of the following is not an application of image recognition services?

- A. Target Detection
- B. Smart photo album
- C. Scene analysis
- D. Speech synthesis

Answer: D

Question: 177

HUAWEI CLOUD ModelArts Is for AI Which of the following functions are in the developed one-stop development platform Mode1Arts Can have?

- A. Data governance
- B. AI market
- C. Visual workflow
- D. Automatic learning

Answer: A, B, C, D

Question: 178

The following about the general form identification service returned type The field statement is correct?

- A. type Representative text recognition area type
- B. type for text Time represents the text recognition area
- C. type Representative form type
- D. type for table Time represents the form recognition area

Answer: B, D

Question: 179

It is fine to pass in only one image when calling the face comparison service.

- A. TRUE
- B. FALSE

Answer: B

Question: 180

HUAWEI CLOUD EI Enable more use of corporate boundaries AI And big data services to accelerate business development and benefit society. HUAWEI CLOUD EI The service can serve the enterprise in the following

aspects?

- A. Industry data
- B. Industry wisdom
- C. algorithm
- D. Computing power

Answer: A, B, C, D

Question: 181

Which of the following services belong to Huawei EI Service family?

- A. Dialogue robot
- B. EI Basic services
- C. Natural language processing

D. El Big data service

Answer: A, B, C, D

Question: 182

Which of the following capabilities does the genetic knowledge map have?

- A. Auxiliary case diagnosis
- B. Disease prediction and diagnosis
- C. Gene test report generation
- D. Entity query

Answer: A, C, D

Question: 183

Which of the following statements about passport recognition services are correct?

- A. country_code Country code representing the country where the passport was issued
- B. nationality Nationality of representative holder
- C. passport_number Representative passport number
- D. confidence Confidence information of related fields. The greater the confidence, the higher the reliability of the corresponding field identified this time. In a statistical sense, the greater the confidence, the higher the accuracy

Answer: A, B, C, D

Question: 184

In the face search service, if we want to delete a certain face set, we can use this code:

`firs_cli.get_v2().get_face_set_service().delete_face_set("***")`, among them "***" is to fill in the actual face set name.

- A. TRUE
- B. FALSE

Answer: A

Question: 185

Label when the image remake detection service is called successfully suggestion What's the situation?

- A. certainty
- B. FALSE
- C. uncertainty
- D. TRUE

Answer: B, C, D

Question: 186

Which of the following are the topics of speech processing research?

- A. Speech processing
- B. Voiceprint recognition
- C. Speech Recognition
- D. Wake up

Answer: B, C, D

Question: 187

The face detection service will report an error when there is no face in the test image.

- A. TRUE
- B. FALSE

Answer: B

Question: 188

The image data of the passport recognition service is not needed base64 Coded.

- A. TRUE
- B. FALSE

Answer: B

Question: 189

What is wrong about the image content review service?

- A. politics Test results for sensitive persons involved in politics
- B. terrorism Test results for political violence
- C. confidence Represents confidence, range 0-100

D. label Label representing each test result

Answer: C

Question: 190

About the image content review service returned when the call is successful suggestion Field, the correct statement is?

- A. pass Representative does not contain sensitive information, passed
- B. review The representative needs a manual review
- C. suggestion The field represents whether the test passed
- D. block Representative contains sensitive information and does not pass

Answer: A, B, C, D

Question: 191

According to Huawei Cloud EI Intelligent platform, which of the following solutions can be provided?

- A. Crowd statistics program
- B. Policy query scheme based on knowledge graph
- C. Vehicle identification scheme
- D. Intrusion recognition scheme

Answer: A, B, C, D

Question: 192

In the environment preparation for invoking HUAWEI CLOUD services, which of the following does not require confirmation of installation?

- A. requests
- B. setuptools
- C. websocket-client
- D. Jieba

Answer: D

Question: 193

The word recognition in the speech recognition service refers to the synchronous recognition of short speech. Upload the entire audio at once, and the recognition result will be returned in the response.

- A. TRUE

B. FALSE

Answer: A

Question: 194

Which of the following options are <Artificial Intelligence Comprehensive Experiment> May be used in calling Huawei cloud services?

- A. ak
- B. region
- C. project_id
- D. sk

Answer: A, B, C, D

Question: 195

Regarding the face search service, which of the following statements are correct?

- A. When there is no face set, you need to create a face set first, then add face data, and then search
- B. The size of a face set cannot exceed 10000 Pictures
- C. There is a dedicated interface to delete the specified face set
- D. There is a dedicated interface to delete the face data in a certain face set

Answer: A, C, D

Question: 196

On Huawei Cloud EI Which of the following can be AI Technology is integrated into the application scenarios of all walks of life AI The advantages of technology to improve efficiency and improve experience.

- A. EI Agent
- B. OBS Object storage service
- C. Cloud database
- D. EI Big data service

Answer: A

Question: 197

Traffic agent can achieve () Hour full time/Global traffic awareness?

- A. 7×24
- B. 5×24

- C. 5×12
- D. 7×12

Answer: A

Question: 198

An e-commerce company has always had problems with official website stalls, poor utilization of network resources, and difficulty in operation and maintenance. Then which of the following can the company use EI

service?

- A. Park Agent
- B. Traffic Agent
- C. Network agent
- D. Industrial Agent

Answer: C

Question: 199

Which of the following is not a face recognition technology?

- A. Face search
- B. Face comparison
- C. Face Detection
- D. Remake recognition

Answer: D

Question: 200

Which of the following is an image label service URI?

- A. /v1.0/image/recognition
- B. /v1.0/image/celebrity-recognition
- C. /v1.0/image/recapture-detect
- D. /v1.0/image/tagging

Answer: D

Question: 201

What is the subject of artificial intelligence?

- A. Mathematics and Physiology
- B. Psychology and Physiology
- C. Linguistics
- D. Comprehensive interdisciplinary and marginal disciplines

Answer: D

Question: 202

Functions are well-organized, non-reusable code segments used to implement a single, or associated Function.

- A. True
- B. False

Answer: B

Question: 203

What is wrong description or backpropagation?

- A. The learning process or the backpropagation algorithm consists of a forward propagation process and a back-propagation process.
- B. The backpropagation algorithm is a learning algorithm suitable for multi-layer neural networks, which is based on the gradient descent method
- C. The backpropagation phase sends training inputs to the network to obtain an stimuli response
- D. until the response of the network to the input reaches the predetermined target range.

Answer: C

Question: 204

In May 1997, the famous "Human-Machine Wars" final computer defeated Kasparov, the world chess king, with a total score of 3.5 to 2.5. is this computer called?

- A. Dark blue
- B. Dark green
- C. Ponder
- D. Blue sky

Answer: A

Question: 205

What are the service categories included in Huawei Cloud EI Enterprise Intelligence? (Multiple Choice)

- A. El visual cognition
- B. El online games
- C. El speech semantics
- D. El industry scene

Answer: ACD

Question: 206

As the following, what are the Python language design philosophy? (Multiple Choice)

- A. Beautiful
- B. Expensive
- C. Explicit
- D. Simple

Answer: ACD

Question: 207

According to the development process of the robot, it is usually divided into three generations, respectively are: (Multiple Choice)

- A. Teaching Reproduction Robot
- B. Robot with sensation
- C. Robots that will think
- D. Intelligent robot

Answer: ABD

Question: 208

There are a lot of data generated during the training of the neural network. What mechanism does TensorFlow use to avoid excessive input data?

- A. Client
- B. feed
- C. placeholder
- D. fetch

Answer: C

Question: 209

Python tuples are identified by "()" and internal elements are separated by ":".

- A. True
- B. False

Answer: B

Question: 210

What are the numeric types of Python? (Multiple Choice)

- A. int (integer type)
- B. long (long integer type)
- C. float (floating point type)
- D. complex (complex number type)

Answer: ABCD

Question: 211

What is the English abbreviation for AI?

- A. Automatic Intelligence
- B. Artificial Intelligence
- C. Automatic Information
- D. Artificial Information

Answer: B

Question: 212

There are many commercial applications for machine learning services.
What are the main business scenarios covered? (Multiple Choice)

- A. Financial product recommendation
- B. Predictive maintenance
- C. Telecom customer retention
- D. Retailer grouping

Answer: ABCD

Question: 213

What is wrong description of the Python module?

- A. The Python module is a Python file that ends with .py and contains Python object definitions and Python statements.

- B. The Python module allows you to logically organize your Python code snippets.
- C. Python modules can define functions classes and variables but the module does not contain executable code
- D. Assigning relevant code to a module can make your code better and easier to understand.

Answer: C

Question: 214

Which of the following options is not the- session mode used by Tensorflow?

- A. Explicitly call the session to generate function
- B. Explicitly call the session to close function
- C. Through the Python context manager
- D. Multiple POST queries

Answer: D

Question: 215

Principal Component Analysis (PCA) is a statistical method. A set of variables that may be related to each other is transformed into a set of linearly related variables by orthogonal transformation. The converted set of variables is called the principal component.

- A. True
- B. False

Answer: B

Question: 216

What of the following does belong to convolutional neural network (CNN)? (Multiple Choice)

- A. VGGNet
- B. ResNet
- C. AlexNet
- D. GoogleNet

Answer: ABCD

Question: 217

What is wrong description of the normal distribution?

- A. In natural phenomena and social phenomena, many random variables obey or approximate a normal distribution.

- B. The normal distribution takes the maximum value at the mean
- C. The larger the standard deviation the steeper the normal distribution curve
- D. The larger the standard deviation, the slower the normal distribution curve.

Answer: C

Question: 218

Which of the following options is not a reason for traditional machine learning algorithms to promote the development of deep learning?

- A. Dimensional disaster
- B. local invariance and smooth regularization
- C. Manifold learning
- D. Feature Engineering

Answer: D

Question: 219

The commonly used functions for mathematical operations in Python are basically in the math module and the cmath module.

- A. True
- B. False

Answer: A

Question: 220

What does not belong to supervised learning?

- A. Logistic regression
- B. Support vector machine
- C. Decision tree
- D. Principal component analysis

Answer: D

Question: 221

The Python list can be identified by '[]', and the default index of the first element from left to right is 1.

- A. True
- B. False

Answer: B

Question: 222

What are the core concepts in TensorFlow? (Multiple Choice)

- A. Gridding
- B. Calculation Chart
- C. Dot Product
- D. Tensor

Answer: BD

Question: 223

Which of the following is not included in the recurrent neural network usage scenario?

- A. Machine translation
- B. Speech recognition
- C. Image style migration
- D. Text generation

Answer: C

Question: 224

Numerical calculation refers to the method and process of effectively using the digital computer to solve the approximate problem of mathematical problems, and the discipline consisting of related theories.

Which of the following processes are involved in solving actual problems with a computer? (Multiple Choice)

- A. Know the actual problem
- B. Mathematical model
- C. Numerical calculation method
- D. Programm1ng
- E. Computer calculation results

Answer: ABCDE

Question: 225

Which of the following is not the difference between Python 2 and Python 3?

- A. print

- B. Unicode
- C. import
- D. xrange

Answer: C

Question: 226

Deep learning algorithms can be divided into supervised learning and unsupervised learning.

- A. True
- B. False

Answer: A

Question: 227

The matrix produced by the exchange of matrix A rows and columns is called the transpose of A .
What are the correct properties of matrix transposition? (Multiple Choice)

- A. $(A^T)^T = A$
- B. $(A+B)^T = A^T + B^T$
- C. $(kA)^T = kA^T$
- D. $(AB)^T = A^T B^T$

Answer: ABC

Question: 228

What quotation marks can the Python language use? (Multiple Choice)

- A. Single quotes
- B. Double quotes
- C. Three quotes
- D. Four quotes

Answer: ABC

Question: 229

Which of the following data types does Tensorflow not support?

- A. int8
- B. float32
- C. double64
- D. bool

Answer: C

Question: 230

In TensorFlow, data is represented in the form of tensors and calculation charts.

- A. True
- B. False

Answer: B

Question: 231

Python is a fully object-oriented language. Which of the following options belong to the Python object? (Multiple Choice)

- A. Function
- B. Module
- C. Number
- D. Character string

Answer: ABCD

Question: 232

Which of the following options belong to Tensorflow concept? (Multiple Choice)

- A. Tensor
- B. Variables
- C. Placeholder
- D. Operation
- E. Conversation

Answer: ABCDE

Question: 233

The following are the description of the distribution function. distribution law. and density function of random variables.
which is incorrect?

- A. Distribution law can only describe the value rule of discrete random variables
- B. The density function can only describe the value rule of continuous random variables
- C. Discrete random variables have no distribution function
- D. Distribution function describes the value rule of random variables

Answer: C

Question: 234

Which of the following conditions do the randomized trials need to meet? (Multiple Choice)

- A. It can be repeated under the same conditions.
- B. There may be more than one possible outcome for each trial. and all possible outcomes of the trial can be clarified in advance
- C. All results of the test cannot be clarified in advance
- D. It is not possible to determine which result will appear before conducting a test.

Answer: ABD

Question: 235

In a neural network, knowing the weight and deviations of each neuron is the most important step. If you know the exact weights and deviations of neurons in some way, you can approximate any function

What is the best way to achieve this?

- A. Random assignment, pray that they are correct
- B. Search for a combination of weight and deviation until the best value is obtained
- C. Assign an initial value to iteratively update weight by checking the difference between the best value and the initial
- D. The above is not correct

Answer: C

Question: 236

What are the regularizations in deep learning? (Multiple Choice)

- A. L1 norm. L2 norm
- B. Data set enhancement
- C. Integration method
- D. Dropout

Answer: ABCD

Question: 237

Which of the following about the dictionary in Python is correct? (Multiple Choice)

- A. Each key and its corresponding value need to be separated by ":

- B. Separate the different key-value with
- C. The entire dictionary is included in the
- D. The keys of the dictionary are unique and the data type is uniform

Answer: ABCD

Question: 238

The determinant of square matrix A is a scalar.

- A. True
- B. False

Answer: A

Question: 239

Which of the following about the gradient descent is incorrect?

- A. Random gradient descent is a commonly used one in gradient descent.
- B. Gradient descent includes random gradient descent and batch gradient descent.
- C. The gradient descent algorithm is fast and reliable [Right Answers]
- D. Random gradient descent is one of the commonly used optimization algorithms in deep learning algorithms.

Answer: C

Question: 240

Which of the following conditions is not a condition that n-fold Bernoulli trials needs to meet?

- A. Each test was repeated under the same conditions.
- B. There are only two possible outcomes for each trial, i.e. event A occurs and event A does not occur.
- C. Each test itself is obeying normal distribution
- D. The results of each trial are independent of each other.

Answer: C

Question: 241

The Python language can use multiple statements on the same line, separated by commas ",".

- A. True
- B. False

Answer: B

Question: 242

Machine Learning Service is a data mining and analytics platform service that helps users quickly discover data patterns and build predictive models through machine learning techniques and deploy them as predictive analytics solutions

- A. True
- B. False

Answer: A

Question: 243

Which of the following about the description of expectations and variances is incorrect?

- A. Expectation reflects the average level of random variable values
- B. The variance reflects the degree of deviation between the random variable and its mathematical expectation
- C. Expectation and variance are both numerical characteristics of random variables
- D. The greater the expectation the smaller the variance

Answer: D

Question: 244

The Python dictionary is widely identified by "{}". and the internal data consists of the key and its corresponding value

- A. True
- B. False

Answer: A

Question: 245

Which of the following options is not a tensor attribute?

- A. name (Logo)
- B. shape (Dimensionality)
- C. type (Type)
- D. node (Node)

Answer: D

Question: 246

Which of the following products is related to artificial intelligence? (Multiple Choice)

- A. Alpha Go
- B. Self-driving
- C. Voice input
- D. Huawei Mate mobile phone

Answer: ABCD

Question: 247

Python regular expressions are a special sequence of characters that makes it easy to check if a string matches a pattern.

- A. True
- B. False

Answer: A

Question: 248

What operating systems does Python support? (Multiple Choice)

- A. DOS
- B. Linux
- C. Mac OSX
- D. Windows

Answer: ABCD

Question: 249

Which of the following about the description of the number of rows and columns for the determinant is correct?

- A. The number of rows is greater than the number of columns
- B. The number of rows is equal to the number of columns
- C. The number of rows is less than the number of columns
- D. The number of rows has no relationship with the number of columns.

Answer: B

Question: 250

Deep learning makes it easy to derive simple mathematical functions from a large amount of high-dimensional data to describe complex decision interfaces.

- A. True
- B. False

Answer: B

Question: 251

Which of the following does not belong to automatic hyperparameter optimization algorithm?

- A. Grid search
- B. Random gradient descent
- C. Random search
- D. Model-based hyper parameter optimization

Answer: B

Question: 252

What are the characteristics of Python code? (Multiple Choice)

- A. leg1bil1ty
- B. Simpl1c1ty
- C. Rapidity
- D. Scalab1hty

Answer: ABD

Question: 253

What are the commonly used activation functions? (Multiple Choice)

- A. sigmoid
- B. tanh
- C. relu
- D. danish

Answer: ABC

Question: 254

What is the incorrect relationship between neural networks and deep learning?

- A. The concept of deep learning stems from the study of artificial neural networks.
- B. A neural network algorithm with multiple hidden layers is a deep learning algorithm
- C. Single layer neural networks are also a type of deep learning
- D. Convolutional neural networks are a type of deep learning.

Answer: C

Question: 255

Which of the following environments does not support to install the TensorFlow?

- A. Linux
- B. Mac OS
- C. Docker
- D. OpenStack

Answer: D

Question: 256

Deep learning is a branch of machine learning

- A. True
- B. False

Answer: A

Question: 257

The trace operation returns the sum of the diagonal elements of the matrix. Therefore, the trace of matrix A and its transposed matrix are equal

- A. True
- B. False

Answer: A

Question: 258

GAN is a deep learning model and one of the most promising methods for unsupervised learning in complex distribution in recent years.

- A. True
- B. False

Answer: A

Question: 259

Which of the following options is not central to linear algebra?

- A. Probability theory
- B. Linear transformation
- C. Matrix theory
- D. Vector space

Answer: A

Question: 260

A scalar k is multiplied by matrix A equal to k and each of the numbers in A is multiplied.

- A. True
- B. False

Answer: A

Question: 261

What are the conditions for m row n column matrix A and p row q column matrix B to be multiplied?

- A. $m=p$. $n=q$
- B. $n=p$
- C. $m=n$
- D. $p=q$

Answer: B

Question: 262

Which of the following are the characteristics of TensorFlow? (Multiple choice)

- A. Open source
- B. Convenience
- C. Mature
- D. Flexible

Answer: ABCD

Question: 263

Which is the correct description of the python creation function? (Multiple choice)

- A. The function created starts with the def keyword followed by the function name and parentheses.
- B. The parameters need to be placed in parentheses
- C. The function content starts with a colon and needs to be indented (Right Answers)
- D. Return the result with return and the function ends.

Answer: ABCD

Question: 264

About Python correct tuple, which is correct description? (Multiple choice)

- A. The difference between a list and a tuple is that the elements of the tuple cannot be
- B. The list uses square brackets and the tuple uses parentheses
- C. Tuple creation is very simple just add elements in parentheses and separate them with commas
- D. When a tuple contains only one element you need to add a comma after the element

Answer: ABCD

Question: 265

What research areas does artificial intelligence have? (Multiple choice)

- A. Natural language processing
- B. Computer Vision
- C. Machine learning
- D. Speech recognition

Answer: ABCD

Question: 266

Tensorflow supports multi-TPU cluster computing

- A. True
- B. False

Answer: A

Question: 267

As shown below, which are the following matrix A characteristic value? (Multiple choice)

$$A = \begin{bmatrix} 3 & -1 \\ -1 & 3 \end{bmatrix}$$

- A. 2
- B. -2
- C. 4
- D. 4

Answer: AD

Question: 268

Only matrix A and matrix B have the same number of rows and columns. A and B can be added.

- A. True
- B. False

Answer: A

Question: 269

The continue statement in the Python language is used to jump out of this loop and then continue to execute the next round of statements.

- A. True
- B. False

Answer: A

Question: 270

Which of the following are the cloud services provided by Huawei Cloud EI Visual Cognition?
(Multiple choice)

- A. Text recognition
- B. Face recognition
- C. Image recognition
- D. Content detection
- E. Image processing

Answer: ABC.DE

Question: 271

X, Y are random variables, C is a constant, the nature of the difference in the following options which is wrong? (Multiple choice)

- A. $D(C)=0$
- B. $D(X+Y)=D(X)+D(Y)$
- C. $D(CX)=C'C'D()$
- D. $D(XY)=D(X)D(Y)$

Answer: BD

Question: 272

Vector is a number.

- A. True
- B. False

Answer: B

Question: 273

About Bayesian formula- $P(W|X)=P(X|W)*P(W)/P(X)$ What is the correct description?

- A. $P(W|X)$ is a prior probability
- B. $P(X|W)$ is a conditional probability
- C. $P(W)$ is the posterior probability
- D. $P(X)$ is the posterior probability

Answer: B

Question: 274

Cyclic neural networks are more suitable for dealing with image recognition problems.

- A. True
- B. False

Answer: B

Question: 275

Tensorflow Operations and Computation Graph are not - run in the Session

- A. True
- B. False

Answer: B

Question: 276

What is in the category of artificial intelligence? (Multiple choice)

- A. Action
- B. Perception
- C. Cognition
- D. None of the above

Answer: ABC

Question: 277

The Python language does not allow embedding another loop body in a loop body

- A. True
- B. False

Answer: B

Question: 278

What are the mainstream deep learning open source tools? (Multiple choice)

- A. TensorFlow
- B. Caffe
- C. Torch
- D. Theano
- E. Scikit..Jeam

Answer: ABCD

Question: 279

The for loop statement in the Python language can iterate through the items in any sequence.

- A. True
- B. False

Answer: A

Question: 280

Convolutional neural networks are more suitable for image recognition problems than cyclic neural networks.

- A. True
- B. False

Answer: A

Question: 281

Huawei Cloud EI builds enterprise intelligence services based on three-tier services. Which of the following options does not belong to Layer 3 services?

- A. Basic platform services
- B. General domain services
- C. Industry sector services
- D. Integration services

Answer: D

Question: 282

Which of the following is true about unsupervised learning?

- A. Unsupervised algorithm only processes "features" and does not process tags
- B. Dimensionality reduction algorithm is not unsupervised learning
- C. K-means algorithm and SVM algorithm belong to unsupervised learning
- D. None of the above

Answer: A

Question: 283

Which of the following options is not the Tensorflow build process?

- A. Building a calculation chart
- B. Input tensor
- C. Generate a session
- D. Update weights | Right Answers)

Answer: D

Question: 284

What model is not a cyclic neural network?

- A. RNN
- B. LSTM
- C. GBOT
- D. GRU

Answer: C

Question: 285

Under the large-scale relationship analysis scenario, which of the following options does not belong to the three high demands of massive relationship processing?

- A. Efficient relationship discovery data for massive data
- B. Efficient sharing of massive data
- C. Efficient storage and access requirements for massive amounts of data
- D. High scalability and high availability requirements for relational analysis platforms

Answer: B

Question: 286

What are the commonly used loss functions? (Multiple choice)

- A. Mean variance
- B. Sigmoid cross entropy
- C. Soft max cross entropy
- D. Sparse cross entropy
- E. Weighted Sigmoid Cross Entropy

Answer: ABCDE

Question: 287

What are the steps that are not part of the operation of a Python file object?

- A. open
- B. delete
- C. read
- D. write
- E. close

Answer: B

Question: 288

Tensorflow is the second generation of artificial intelligence learning system developed by Google

based on ().

- A. DistBelief
- B. PaleyFunction
- C. ConvexOne
- D. Infinity

Answer: A

Question: 289

The Python language can use the "#" at the beginning of a single line of code for code comments .

- A. True
- B. False

Answer: A

Question: 290

According to the definition of information entropy what is the bit entropy of throwing a uniform coin?

- A. 0
- B. 0.5
- C. 1
- D. -1

Answer: C

Question: 291

Artificial intelligence is currently suitable for scenarios with I' known environment, clear objectives, and predictable action \pm . Deep learning in the fields of image recognition, speech recognition, translation, etc , artificial intelligence basically has human recognition ability. even surpassing human beings Based on these capabilities. it has been applied to many scenes such as medical care and public safety However, there is still a lack of reasoning and cognition

- A. True
- B. False

Answer: A

Question: 292

Python authors deliberately design very restrictive grammars that make bad programming habits

(such as the next line of if statement not indented to the right) cannot be compiled

- A. True
- B. False

Answer: A

Question: 293

The timestamps in the Python language- are represented by how long (in seconds) elapsed from midnight (epoch) on January 1, 1970

- A. True
- B. False

Answer: A

Question: 294

Corvolutional neural networks are more suitable for dealing with speech recognition problems

- A. True
- B. False

Answer: B

Question: 295

What are the results returned by the if conditional statements in the Python language? (Multiple choice)

- A. True
- B. 0
- C. FALSE
- D. null

Answer: BC

Question: 296

Which of the following description of the validation set is wrong?

- A. The verification set can coincide with the test set.
- B. The test set can coincide with the training set
- C. The subset used to pick hyperparameters is called a validation set
- D. Typically 80% of the training data 1s used for training and 20% 1s used for verification.

Answer: A

Question: 297

Which of the following can optimization problem be classified according to the constraints? (Multiple choice)

- A. equality constraints
- B. Inequality constraints
- C. Unconstrained conditions
- D. Semi-constraint conditions

Answer: ABC

Question: 298

Which of the following are the characteristics of the Python language? {Multiple choice}

- A. Explanatory
- B. Process oriented
- C. Object-oriented
- D. Dynamic data type

Answer: ACD

Question: 299

Which of the following are the elements of artificial intelligence? (Multiple choice)

- A. Algorithm
- B. Computing power
- C. Data
- D. Scene

Answer: ABCD

Question: 300

Which of the following is not a specific technology of artificial intelligence?

- A. Knowledge map
- B. Machine translation
- C. Riemann geometry
- D. Semantic understanding

Answer: C

Question: 301

Which of the following statements about overflow and underflow in numerical calculations is correct? (Multiple choice)

- A. Underflow occurs when the number close to zero is rounded to zero
- B. Overflow occurs when the number close to zero is rounded to zero
- C. Overflow occurs when a large number of levels are approximated as 1P or - 1P
- D. Underflow occurs when a large number of levels are approximated as 1P or - 1P

Answer: AC

Question: 302

Which of the following description about Python regular expression is not correct?

- A. Python has added there regular expression module since version 1.5.
- B. re regular expression module gives the Python language all the regular expression functionality.
- C. re regular expressions are powerful tools for working with strings.
- D. re regular expressions can only process string data not numeric data

Answer: D

Question: 303

In which year was the first introduction of "artificial intelligence"?

- A. 1946
- B. 1960
- C. 1916
- D. 1956

Answer: D

Question: 304

Which of the following description about the relationship between the Poisson distribution and the binomial distribution is correct?

- A. The mathematical model of the Poisson distribution and the binomial distribution are both Lagrangian models.
- B. Poisson distribution is an approximation of the binomial distribution when n is very large and p is small (

- C. Poisson distribution has no relationship with binomial distribution
- D. Poisson distribution can replace binomial distribution

Answer: B

Question: 305

Which of the following is not an artificial intelligence school?

- A. Symbolism
- B. StatJst1caltsm
- C. Behaviorism
- D. Connectionism

Answer: B

Question: 306

Which of the following does the convolutional neural network structure not include?

- A. Convolutional layer
- B. Pooling layer
- C. Loop layer
- D. Fully connected layer

Answer: C

Question: 307

Which of the following functions can numerically stabilize overflow and underflow?

- A. Softminus function
- B. Softplus function
- C. Soft max function
- D. Softmin func!Jon

Answer: C

Question: 308

What are the advantages of Python? (Multiple choice)

- A. Simple
- B. Free
- C. High-level language
- D. Rich library

Answer: ABCD

Question: 309

Python script execution mode includes interactive mode and script mode

- A. True
- B. False

Answer: A

Question: 310

Which of the following features does Python support? (Multiple choice)

- A. Inheritance
- B. Heavy load
- C. Derived
- D. Multiple inheritance

Answer: ABCD

Question: 311

Which of the following description of the number of rows and columns of the matrix is correct?

- A. The number of rows is greater than the number of columns
- B. The number of rows is equal to the number of columns
- C. The number of rows is less than the number of columns
- D. The number of rows has no relationship with the number of columns.

Answer: D

Question: 312

Which of the following is the computing model of TensorFlow?

- A. Calculation chart
- B. Tensor
- C. Conversation
- D. Variable

Answer: A

Question: 313

Which of the following can improve the computational efficiency of the neural network model? (Multiple choice)

- A. TPU
- B. GPU
- C. FPGA
- D. Large-scale distributed cluster

Answer: ABCD

Question: 314

Which of the following statements about Python are correct? (Multiple choice)

- A. Invented in 1989 by the Dutch Guido van Rossum, the first public release was issued in 1991.
- B. Python is purely free software and the source code follows the GPL (GNU General Public License) protocol
- C. Python syntax is simple and clean. One of the features is to force blank characters to be used as statement indentation [Right Answers]
- D. Python is often nicknamed glue language which can easily connect various modules made in other languages

Answer: ABCD

Question: 315

Which of the following does not belong to long-term memory LSTM (long Short-Term Memory) network architecture?

- A. Memory door
- B. Forget the door
- C. Input door
- D. Output door

Answer: A

Question: 316

In order for a machine to be intelligent, it must be knowledgeable. Therefore, there is a research field in artificial intelligence, which mainly studies how computers automatically acquire knowledge and skills to achieve self-improvement. What is the branch of this research called?

- A. Expert system
- B. Machine learning

- C. Neural Network
- D. Natural language processing

Answer: B

Question: 317

Which of the following descriptions about Python program are correct? (Multiple choice)

- A. The program consists of modules
- B. Module contains statements
- C. statement contains an expression
- D. Expressions create and process objects

Answer: ABCD

Question: 318

Huawei Machine learning Service MLS MLS is a one-stop platform that supports the entire process of data analysis. Which of the following is not a feature of MLS?

- A. A rich library of machine learning algorithms.
- B. machine learning program is intuitive and easy to use.
- C. Distributed and scalable big data computing engine.
- D. Support for the R language but does not support the Python language

Answer: D

Question: 319

Training error will reduce the accuracy of the model and produce under-fitting. How to improve the model fit? (Multiple choice)

- A. Increase the amount of data
- B. Feature Engineering
- C. Reduce regularization parameters
- D. Add features

Answer: ABD

Question: 320

Which of the following is not a way for the TensorFlow program to read data?

- A. Preload data
- B. Feeding data

- C. Read from the file
- D. Write a file format reader

Answer: D

Question: 321

Self-encoder is an unsupervised learning algorithm

- A. True
- B. False

Answer: A

Question: 322

The number or matrix is stored in the tensor

- A. True
- B. False

Answer: B

Question: 323

Which of the following descriptions about the Recurrent Neural Network (RNN) is correct?

- A. Can be used to process sequence data.
- B. Cannot process variable length sequence data.
- C. Unlike convolutional neural networks. parameters of RNN cannot be shared
- D. The units above the hidden layer are not associated With each other.

Answer: A

Question: 324

Artificial intelligence is a new technical science that studies and develops theories, methods and application systems for simulating, extending and extending human intelligence. It is one of the core research areas of machine learning.

- A. True
- B. False

Answer: B

Question: 325

The TensorFlow framework does not support Windows systems.

- A. True
- B. False

Answer: B

Question: 326

Which of the following descriptions of the depth feedforward network is correct?

- A. Deep feedforward network is a kind of neural network.
- B. The deep feedforward network has only one hidden layer.
- C. The unit on the hidden layer of the deep feedforward network will have countless.
- D. Deep feedforward network is used to deal with linear problems.

Answer: A

Question: 327

The time interval in the Python language is a floating-point fraction in seconds

- A. True
- B. False

Answer: A

Question: 328

Which of the following is not part of the deep learning development framework?

- A. CNTK
- B. Keras
- C. SAFA
- D. MXNet

Answer: C

Question: 329

Which of the following are included in the application scenarios of TensorFlow? (Multiple choice)

- A. Speech recognition

- B. Face recognition
- C. Image style changes
- D. Autopilot

Answer: ABCD

Question: 330

Which of the following neural network structures will share weights? (Multiple choice)

- A. Convolutional neural network
- B. Recurrent neural network
- C. Fully connected neural network
- D. All of the above

Answer: AB

Question: 331

The correlation coefficient, also known as the linear correlation coefficient, is used to measure the linear relationship between two variables, which is a real number greater than zero

- A. True
- B. False

Answer: B

Question: 332

X, Y are random variables. C is a constant. which of the following description about the nature of the mathematical expectation is incorrect?

- A. $E(C) = CA$. $E(C) = C$
- B. $E(X+Y) = E(X)+E(Y)$
- C. $E(CX) = CE(X)$
- D. $E(XY) = E(X)E(Y)$

Answer: D

Question: 333

Which of the following statement about the matrix is incorrect?

- A. The arbitrary matrix is multiplied by the unit matrix and will not change.
- B. The transpose of the symmetric matrix A is also A itself.
- C. The transpose of the orthogonal matrix A is equal to the inverse of A .

D. There is no inverse matrix for the diagonal matrix.

Answer: D

Question: 334

Which is not a deep learning algorithm?

- A. Setr-encoder
- B. Convolutional neural networks
- C. Recurrent neural networks
- D. Support vector machine

Answer: D

Question: 335

TensorFlow is Google's first generation of proprietary machine learning systems

- A. True
- B. False

Answer: B

Question: 336

Which of the following schools does the neural network study belong to?

- A. Symbolism
- B. Connectionism
- C. Behaviorism
- D. None of the above

Answer: B

Question: 337

Reducing the gap between the training error and the test error will result in over-fitting How to prevent over-fitting? (Multiple Choice)

- A. Cross validation
- B. Integration method
- C. Increase regularization

D. Feature Engineering

Answer: ABCD

Question: 338

Which is wrong with the Python module time introduction method?

- A. import time
- B. from time import *
- C. import time as t
- D. from time

Answer: D

Question: 339

In what year did Huawei officially provide services in the form of cloud services, and combined with more partners to provide richer artificial intelligence practices?

- A. 2002
- B. 2013
- C. 2015
- D. 2017

Answer: D

Question: 340

Which description is wrong about the lambda function of the Python language?

- A. lambda is just an expression, and the function body is much simpler than def.
- B. The body of a lambda can be an expression or a block of code
- C. The lambda function can access the parameters in the global namespace.
- D. The lambda function accepts only one parameter value

Answer: D

Question: 341

The meaning of artificial intelligence was first proposed by a scientist in 1950, and at the same time a test model of machine intelligence was proposed Who is this scientist?

- A. Minsky
- B. Zade
- C. Turing

D. Von Neumann

Answer: C

Question: 342

The number of rows and columns of the three matrices A , B. and C is 3 rows and 2 columns, 2 rows. 3 columns. 3 rows and 3 columns. which of the following operations is meaningful?

- A. AC
- B. BC
- C. A+B
- D. AB-BC

Answer: B

Question: 343

The constituent elements of the Python identifier include: numbers, letters, and underscores.

- A. True
- B. False

Answer: A

Question: 344

Which description is wrong about the hyperparameter?

- A. 1-typerparameters are parameters that set values before the algorithm begins learning.
- B. Most machine learning algorithms have hyperparameters.
- C. Hyperparameters cannot be modified
- D. The value of the hyperparameter is not learned by the algorithm itself.

Answer: C

Question: 345

Which of the following is not a module in the Tensorflow library?

- A. tf.nn
- B. tf. layers
- C. tf boost
- D. tf.contrib

Answer: C

Question: 346

As shown in the figure below, what is the value of the determinant A?

$$A = \begin{vmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{vmatrix}$$

- A. 24
- B. 18
- C. -24
- D. 0

Answer: D

Question: 347

How many spaces does PEP 8 stipulate that Python's first line indentation needs to indent?

- A. 1
- B. 2
- C. 4
- D. 8

Answer: C

Question: 348

What are the Python language data types? (Multiple Choice)

- A. numbers
- B. string
- C. list
- D. tuple
- E. dictionary

Answer: ABCDE

Question: 349

What are the algorithms supported by Tensorflow? (Multiple Choice)

- A. GNN

- B. ZNN
- C. RNN (Right Answers)
- D. HUT

Answer: AC

Question: 350

Which is not a Python operator?

- A. arithmetic operator
- B. Reasoning operator
- C. Logical operator
- D. Comparison operator

Answer: B

Question: 351

Which method is not supported in TensorFlow to define variables?

- A. Random number
- B. Constant
- C. Calculated from the initial values of other variables
- D. null

Answer: D

Question: 352

What does factors that promote the development of artificial intelligence not include?

- A. Big data
- B. Computing ability
- C. Algorithm theory
- D. Block chain

Answer: D

Question: 353

Which of the following are solutions for the Huawei Cloud EI industry scenario? (Multiple Choice)

- A. Intelligent Logistics
- B. Intelligent Water

- C. Intelligent transportation
- D. Intelligent Finance
- E. Intelligent manufacturing

Answer: ABCDE

Question: 354

Vector group $a_1=(1, 1, 1)$, $a_2=(0,2.5)$, $a_3=(1.3,6)$, which of the following options is correct?

- A. Linear correlation
- B. Linear independence
- C. $a_1a_2+a_3=0$
- D. $2a_1+a_2+a_3=0$

Answer: A

Question: 355

What are the scenarios or industries that are suitable for using Python? (Multiple Choice)

- A. Artificial intelligence
- B. web development
- C. Game development
- D Hardware development

Answer: ABC

Question: 356

Which descriptions are correct about python's index? (Multiple Choice)

- A. Index from left to right defaults from 0
- B. Index from left to right defaults from 1
- C. Index from right to left defaults from -1
- D. Index from right to left defaults from 0

Answer: AC

Question: 357

Huawei firmly believes that the value of AI is ultimately reflected in solving the actual business problems of the enterprise. Therefore, Huawei is firmly committed to the development of AI technology, focusing on domain solutions, focusing on basic technologies and enabling platforms, and working with industry practice leaders to develop industry solutions

- A. True
- B. False

Answer: A

Question: 358

The Python dictionary is identified by "{}", and the internal data consists of the key and its corresponding value.

- A. True
- B. False

Answer: A

Question: 359

In Huawei Cloud EI Enterprise Intelligence, which basic platform services are included? (Multiple Choice)

- A. Machine learning
- B. Deep learning
- C. Graph engine
- D. Batch processing

Answer: ABCD

Question: 360

Linear algebra is a branch of algebra that deals with linear problems.
The linear relationship is that the relationship between exponential objects is expressed in () times form?

- A. 1
- B. 2
- C. 3
- D. 4

Answer: A

Question: 361

" print" in Python 3 must be used with "()"

- A. True
- B. False

Answer: A

Question: 362

Deep learning is different from machine learning and there are no unsupervised algorithms

- A. True
- B. False

Answer: B

Question: 363

What are the implementation modes ofTensorflow? (Multiple Choice)

- A. Stand-alone mode
- B. Distributed mode
- C. Reverse mode
- D. Forward mode

Answer: AB

Question: 364

What are the application scenarios for the break statement in the Python language? (Multiple Choice)

- A. Any Python statement
- B. while loop statement
- C. for loop statement
- D. Nested loop statement

Answer: BCD

Question: 365

TensorFlow only supports Python and R language

- A. True
- B. False

Answer: B

Question: 366

What are the commonly used gradient descent optimization functions? (Multiple Choice)

- A. Random gradient descent
- B. Adadelta
- C. Adagrad
- D. momentum
- E. RMSProp

Answer: ABCDE

Question: 367

What is not the optimization method in deep learning?

- A. Random gradient descent
- B. Back propagation algorithm
- C. Principal component analysis
- D. Momentum

Answer: C

Question: 368

Information theory is a branch of applied mathematics. The main research is to quantify how much information a signal contains. Who is the first to propose information theory?

- A. Minsky
- B. Turing
- C. Simon
- D. Shannon

Answer: D

Question: 369

Which of the following description is wrong about the image recognition cloud service?

- A. The service identifies specific objects such as skyscrapers, buildings, and ships.
- B. The service can also identify the sea, city, port and other scenes.
- C. The service can perform semantic analysis on the content in the image to extract labels with specific abstract meanings
- D. The service can provide object and scene labels and can also provide more conceptual labels.

Answer: D

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