1、Python tuples are enclosed in parentheses (()) and the internal elements are separated by semicolons (;).

- ○ True
- ◉ False

**Congratulations! Right Answer: False**

Next Back

49%

2、Recurrent neural networks are more suitable for image recognition problems.

- ○ True
- ◉ False

**Congratulations! Right Answer: False**

Arrow keys availbl

3、Convolutional neural networks (CNNs) can extract features from images automatically.

- (●) True
- ( ) False

**Congratulations! Right Answer: True**

Previous Next Back

49%

true of false 4/60Question

4、Deep learning algorithms can be both supervised and unsupervised.

- (●) True
- ( ) False

**Congratulations! Right Answer: True**

Previous Next Back

true of false 5/60Question

5、Operations and computation graphs of TensorFlow can be run without a session.

- ○ True
- ◉ False

**Congratulations! Right Answer: False**

Previous Next Back

true of false 6/60Question

6、The determinant of a N*N matrix is a scalar.

- (●) True
- ( ) False

**Congratulations! Right Answer: True**

Previous Next Back

7、time.time() function can measure the number of seconds since the epoch as a floating point value.

- (●) True
- ( ) False

**Congratulations! Right Answer: True**

Previous Next Back

49%

true of false 8/60Question

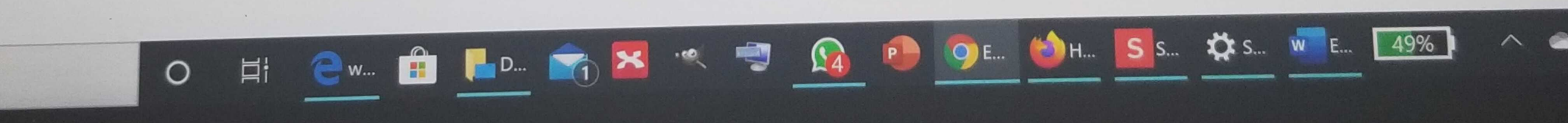
Arrow keys availble to switch qu

8、Functions are organized code segments which cannot be reused to implement single or related operations.

- ○ True
- ◉ False

**Congratulations! Right Answer: False**

Previous Next Back



9、Continue statements in Python are used to skip the rest of the statements in the body of loop for the current iteration and jump to the beginning of the loop for next iteration.

- (●) True
- ( ) False

**Congratulations! Right Answer: True**

Previous Next Back



49% ENG 9:27 PM 6/3/2020

10、In TensorFlow, a graph contains nodes and edges.The former represent data operations and the later represent data and its dependency relationship.

- (●) True
- ( ) False

**Congratulations! Right Answer: True**

Previous Next Back



49% ENG 9:27 PM 6/3/202

11、Deep learning is a class of machine learning algorithms that uses neural networks to extract features from the raw input.

- (●) True
- ( ) False

**Congratulations! Right Answer: True**

Previous Next Back

49% ENG

12、The Python author designed the restrictive syntax to filter out bad programming habits (like failing to add an indentation on the right of the next line of the if statement).

- (●) True
- ( ) False

**Congratulations! Right Answer: True**

Previous Next Back

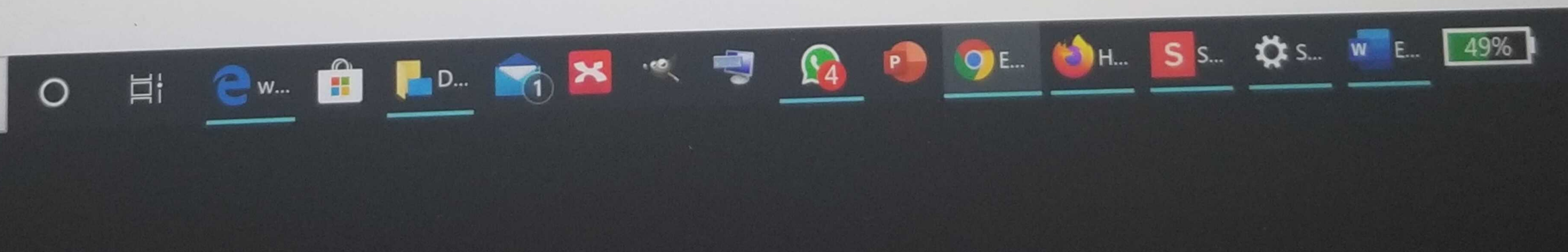
49% ENG 9:27 6/3/

13、Lists in Python can be delimited by square brackets ([ ]), with the first element at index 0.

- (●) True
- ( ) False

**Congratulations! Right Answer: True**

Previous | Next | Back



14、Data in TensorFlow is represented by tensors.

- (●) True
- ( ) False

**Congratulations! Right Answer: True**

Previous | Next | Back

15、A matrix A can be decomposed into a product of three matrices using singular value decomposition.

- (●) True
- ( ) False

**Congratulations! Right Answer: True**

Previous Next Back

48%

16、Huawei believes that the value of AI is reflected in addressing enterprise business problems. Regarding the development of AI, guided by industry solutions, Huawei focuses on basic technologies and the enabling platform, and works with industry leaders to develop industry solutions.

- (●) True
- ( ) False

**Congratulations! Right Answer: True**

Previous Next Back

Show a

48% ENG 9:28 PM 6/3/2020

17、The print function in Python 3 is enclosed in parentheses (()).

- ◉ True
- ○ False

**Congratulations! Right Answer: True**

Previous Next Back

Arrow keys ava

18、Matrix A and matrix B can be added only if they have the same number of rows and columns.

- (●) True
- ( ) False

**Congratulations! Right Answer: True**

Previous Next Back

19、The perceptron is equivalent to a classifier and it could perform mutil-task classification.

- ○ True
- ◉ False

**Congratulations! Right Answer: False**

20、Principal Component Analysis (PCA) is a statistical method. It uses orthogonal transformation to convert a set of possibly correlated variables into a set of values of linear variables called principal components.

- ○ True
- ◉ False

**Congratulations! Right Answer: False**

Previous Next Back

48% ENG

21、Which of the following school does reinforcement learning belong to?

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

Congratulations! Right Answer: C

Previous Next Back

22、Information theory is a branch of applied mathematics. It studies the quantification of information in a signal. Who was the first to put forward the concept of information entropy?

- A. Alan Mathison Turing
- B. Claude Elwood Shannon
- C. Marvin Lee Minsky
- D. Herbert A. Simon

**Congratulations! Right Answer: B**



48% ENG 9:29 PM 6/3/2020

23、Which of the following is not a TensorFlow session?

- A. Multiple POST queries
- B. Use Python context manager
- C. Explicitly invoke the session to generate a function
- D. Explicitly invoke the session to close a function

**Congratulations! Right Answer: A**

Previous Next Back

24、Which of the following is not a Python re regular expression module function?

- A. match
- B. search
- C. update
- D. compile

Congratulations! Right Answer: C

Previous Next Back

25、Decision tree is one of the most popular machine learning algorithms and can be used for both classification and regression problems. How do we choose the best attribute in ID3?

- (●) A. The attribute with the highest information gain
- ( ) B. The attribute with the lowest information gain
- ( ) C. The attribute with the lowest Gini index
- ( ) D. The attribute with the highest Gini index

**Congratulations! Right Answer: A**

Previous Next Back

Sho

48% ENG 9:29 6/3/2

26、When was "AI" first proposed?

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

**Congratulations! Right Answer: A**

Previous Next Back

27、Which of following can be the input of a fully connected layer?

- A. A 2-D matrix
- B. A fixed-length vector
- C. A variable-length vector
- D. All of above

**Congratulations! Right Answer: B**

Previous Next Back

28、Which of the following is not a supervised learning algorithm?

- A. Decision tree
- B. Logistic regression
- C. Principle component analysis (PCA)
- D. Support vector machine (SVM)

**Congratulations! Right Answer: C**

Previous Next Back

29、Which of the following Python identifier is invalid?

- A. _var1
- B. Var_1
- C. var_1
- D. 1var

**Congratulations! Right Answer: D**

Previous Next Back

30、Which of the following is the computational model of TensorFlow?

- A. Computational graph
- B. Tensor
- C. Session
- D. Variable

**Congratulations! Right Answer: A**

Previous Next Back

Multi-Choice(single) 31/60Question

31、Which of the following is not a deep learning development framework?

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

**Congratulations! Right Answer: D**

Previous Next Back

32、With regard to the relationship between frequency and probability, which of the following statements is true?

- A. Frequency stabilizes as a value close to probability as the number of repeated experiments increases
- B. Frequency is greater than probability.
- C. Frequency is smaller than probability
- D. Frequency is equal to probability

**Congratulations! Right Answer: A**

Previous Next Back

48%

33、Which is not an optimization method in deep learning?

- A. Momentum
- B. Stochastic gradient descent
- C. Principle component analysis (PCA)
- D. Backpropagation algorithm

Congratulations! Right Answer: C

Previous Next Back

34、Which of the following is unchangeable in Python?

- A. Array
- B. Tuple
- C. Set
- D. List

Congratulations! Right Answer: B

Previous Next Back

35、For object detection problem, which of the following neural network model should be considered first?

- A. CNN
- B. GAN
- C. GNN
- D. RNN

**Congratulations! Right Answer: A**

Previous Next Back

48%

36、Which is not an automatic hyperparameter search algorithm?

- A. Grid search
- B. Stochastic gradient descent
- C. Model-based hyperparameter optimization
- D. Random search

Congratulations! Right Answer: B

Previous Next Back

37、Which of the following is not a TensorFlow library module?

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

**Congratulations! Right Answer: C**

Previous Next Back

38、Which of the following is used as the gate function in LSTM?

- A. Softplus function
- B. Relu function
- C. Sigmoid function
- D. Tanh function

**Congratulations! Right Answer: C**

Previous Next Back

39、Which of the following methods cannot get data into the TensorFlow program?

- A. Reading from files
- B. Editing a file format reader
- C. Feeding
- D. Preloaded data

**Congratulations! Right Answer: B**

Previous Next Back

40、Which of the following can be used to solve regression problems?

- (●) A. Linear regression
- ( ) B. PCA
- ( ) C. K-means
- ( ) D. Logistic regression

**Congratulations! Right Answer: A**

Previous | Next | Back

41、Which of the following statements about normal distribution is not true?

- A. The larger the standard deviation, the flatter the normal distribution curve.
- B. The larger the standard deviation, the steeper the normal distribution curve.
- C. Normal distribution takes its maximum value at the mean.
- D. A large number of random variables are distributed normally or approximately normally in natural and social phenomena.

**Congratulations! Right Answer: B**



48%

42、Which of the following about matrix is not true?

- A. The diagonal matrix does not have an inverse.
- B. Multiplying by the identity matrix does not change anything.
- C. The transposed matrix of an orthogonal matrix is its inverse.
- D. The transposed matrix of a symmetric matrix A is A.

**Congratulations! Right Answer: A**

Previous Next Back

43、Which of the following activation functions cannot effectively solve the vanishing gradient problem?

- A. Leaky ReLU
- B. Tanh
- C. SoftPlus
- D. ReLU

**Congratulations! Right Answer: B**

Previous Next Back

48%

44、Which of the following statement about convolutional neural networks(CNNs) is not true?

- A. A pooling layer contains a set of filters whose parameters need to be learned.
- B. Max pooling is the most commonly used pooling operation.
- C. A convolutional layer contains a set of filters whose parameters need to be learned.
- D. Pooling layers in CNN are implemented to reduce the size of feature maps.

Congratulations! Right Answer: A

Previous Next Back

Multi-Choice(single) 45/60Question

45、Which of the following type of RNN can be used for machine translation?

- A. Many to many
- B. One to many
- C. Many to one
- D. One to one

Congratulations! Right Answer: A

Previous Next Back

ml

46、What is the purpose of adding a pooling layer when creating a neural network?

- A. Reduce the size of feature maps
- B. Preventing overfitting
- C. Extracting iamge feature
- D. Functioning as a classifier

Congratulations! Right Answer: A

Previous Next Back

47、Which of the following statement about the fetch operation in TensorFlow is true?

- A. Generally, the fetch operation is used together with tf.placeholder ().
- B. Only when the graph execution is triggered, you can fetch the tensor values you want.
- C. You can fetch the tensor values you want once the graph is created.
- D. Only a single tensor node can be fetched once.

Congratulations! Right Answer: B

Previous Next Back

48、Which of the following format can define a dictionary in Python?

- A. {"Jane":London; "John":London}
- B. {"Jane":London, "John":London}
- C. {"John": Paris, "John":London}
- D. {"John": Paris; "John":London}

Congratulations! Right Answer: B

Previous Next Back

49、Which of the following can avoid overfitting during model training?

- A. Adding the number of convolutional layers
- B. Early stoping
- C. Using the momentum optimizer
- D. Activation fuctions

Congratulations! Right Answer: B

Previous Next Back

50、If the input of a softmax function is [1,2,4,2,1], which of the following option may be the output?

- A. [3]
- B. [0.04, 0.20, 0.75, 0.20, 0.04]
- C. [0.04, 0.10, 0.72, 0.10, 0.04]
- D. [10]

**Congratulations! Right Answer: C**

Previous Next Back

47%

51、What are the implementation modes of TensorFlow?

- [ ] A. Reverse mode
- [x] B. Single-Node mode
- [x] C. Distributed mode
- [ ] D. Forward mode

Congratulations! Right Answer: BC

Previous Next Back

Arrow keys avai

52、Which of the following cloud services are provided by visual recognition of Huawei Cloud EI?

- [x] A. Content moderation
- [x] B. Optical character recognition (OCR)
- [x] C. Image recognition
- [x] D. Image processing

**Congratulations! Right Answer: ABCD**

Previous Next Back

W... D... 1 4 E... H... S... S... E... 47

53、Which of the following statements about Python are true?

- [x] A. Python is often nicknamed "glue language" because it can easily glue together various modules developed in other languages.
- [x] B. It was created by Guido van Rossum, the Dutchman, in 1989, and it was first released in 1991.
- [x] C. Python is a kind of free and open-source software.
- [x] D. The Python syntax is simple and clear, characterized by using blank characters for indentation.

**Congratulations! Right Answer: ABCD**



47%

54、Which of the following statements about Python index are true?

- [x] A. Default index from right to left is numbered from –1
- [ ] B. Default index from left to right is numbered from 1
- [ ] C. Default index from right to left is numbered from 0
- [x] D. Default index from left to right is numbered from 0

Congratulations! Right Answer: AD

Previous Next Back

55、Which of the neural network architectures can implement weight sharing?

- [ ] A. All of the above
- [ ] B. Fully connected neural network
- [x] C. Recurrent neural network (RNN)
- [x] D. Convolutional neural network (CNN)

Congratulations! Right Answer: CD

Previous Next Back

56、What are the commonly used activation functions?

- [ ] A. danish
- [x] B. sigmoid
- [x] C. tanh
- [x] D. relu

Congratulations! Right Answer: BCD

Previous Next Back

57、What are the research areas in AI?

- [x] A. Natural language processing (NLP)
- [x] B. Machine learning
- [x] C. Computer vision
- [x] D. Speech recognition

**Congratulations! Right Answer: ABCD**

Previous Next Back

58、Suppose X and Y are random variables and C is a constant, which of the following about the variance properties is not true?

- [x] A. D(X+Y) = D(X) + D(Y)
- [ ] B. D(C) = 0
- [x] C. D(XY) = D(X)D(Y)
- [ ] D. D(CX) = C*C*D(X)

**Congratulations! Right Answer: AC**

Previous Next Back

W... D... 1 4 E... H... S... S... E... 47% ENG

Arrov

59、According to constraints, what are the types of the optimization problem?

- [x] A. Inequality constraint
- [x] B. Equality constraint
- [ ] C. Semi-constraint
- [x] D. No constraint

Congratulations! Right Answer: ABD

Previous Next Back

Multi-Choice(checkboxes) 60/60Question

Arrow keys availble to sw

60、Python is an object-oriented programming language. Which of the following are Python objects?

- [x] A. Character string
- [x] B. Module
- [x] C. Function
- [x] D. Number

**Congratulations! Right Answer: ABCD**

Previous Back