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Exam : **H13-321_V2.0**

Title : **HCIP-AI-EI Developer V2.0**

Vendor : **Huawei**

Version : **DEMO**

NO.1 Which of the following is a classification performance measurement indicator? (Multiple choice)

- A. Accuracy
- B. False rate
- C. recall
- D. precision

Answer: A B C D

NO.2 What color does the RGB value (124, 252, 0) represent?

- A. Sky blue
- B. Pure black
- C. Pure blue
- D. Lawn Green

Answer: D

NO.3 When using gensim to implement word2vec, which parameter represents the dimension of the output word vector?

- A. hs
- B. min_count
- C. size
- D. window

Answer: C

NO.4 The gradient descent algorithm is used to update parameters and find the minimum point of the loss function. Its convergence point depends only on the cost function.

- A. True
- B. False

Answer: B

NO.5 There are two main methods for semi-supervised learning: one is to perform unsupervised clustering first and then supervised learning. The other is Self-Learning.

- A. True
- B. False

Answer: A

NO.6 When calling Huawei cloud computing voice service, you can call the underlying interface encapsulated by SDK, and you can access the Restful service by simulating the front-end browser. The authentication methods used by the two are?

- A. AK/SK, Token
- B. Token, AK/SK
- C. Token, Token
- D. AK/SK, AK/SK

Answer: A

NO.7 GMM can theoretically fit all waveforms.

- A. True
- B. False

Answer: A

NO.8 Which of the following options are Huawei Ascend AI chips? (Multiple choice)

- A. Shengteng 310
- B. Shengteng 510
- C. Shengteng 910
- D. Shengteng 710

Answer: A C

NO.9 Part-of-speech tagging is necessary for natural language processing.

- A. True
- B. False

Answer: B

NO.10 In which year did Huawei launch the Ascend series IP and processors?

- A. 2018
- B. 2016
- C. 2019
- D. 2017

Answer: C

NO.11 What are the difficulties in natural semantic processing? (Multiple choice)

- A. Participle
- B. Pragmatic ambiguity
- C. Single word recognition
- D. Named Entity Recognition

Answer: A B C D

NO.12 RNN can save context information.

- A. True
- B. False

Answer: A

NO.13 The histogram operation of an image is to count the gray value distribution frequency of the entire image. When the image is unevenly illuminated, the histogram operation effect will not be affected.

- A. True
- B. False

Answer: B

NO.14 After using DNN, do not perform data preprocessing.

- A. True
- B. False

Answer: B

NO.15 ModelArts provides () services, which can greatly improve labeling efficiency based on semi-supervised /active learning technology.

Answer:

Intelligent Labeling

NO.16 Which of the following statements are correct about object detection? (Multiple choice)

- A. Detecting outliers
- B. Multiple targets in the image can be detected
- C. Identify the category of the target
- D. Identify the location of the target

Answer: B C D

NO.17 The structure of the perceptron simulates which of the following biological structures?

- A. Brain
- B. Neurons
- C. Eyes
- D. Ears

Answer: B

NO.18 Which of the following is correct about the Gaussian distribution curve?

- A. The Gaussian curve is bell-shaped, with high ends and low in the middle.
- B. The smaller the standard deviation, the flatter the curve
- C. The Gaussian curve is bell-shaped, with low ends and high in the middle.
- D. The larger the standard deviation, the taller the curve.

Answer: C

NO.19 Which of the following is the core idea of convolutional neural network? (Multiple choice)

- A. Parameter Sharing
- B. Zero padding
- C. Fully connected
- D. Local Perception

Answer: A D

NO.20 Regarding CBOW and Skip-Gram algorithms, which of the following statements is incorrect?

- A. Both CBOW and Skip-Gram can be used to train word embeddings, but Skip-Gram is faster than CBOW.
- B. CBOW calculates the probability of a word appearing based on the n words preceding it or the n consecutive words before and after it.

C. Skip-Gram calculates the probabilities of several words before and after a certain word.

D. Both the CBOW model and the skip-gram model are based on the Huffman tree.

Answer: A

NO.21 Which of the following audio file formats can Huawei Cloud Speech Synthesis Service generate? (Multiple choice)

A. aac

B. mp3

C. wav

D. pcm

Answer: B C D

NO.22 Which of the following is the correct description of the standard normal distribution? (Multiple choice)

A. Expected to be 1

B. Variance 0

C. Expected to be 0

D. Variance is 1

Answer: C D

NO.23 One of the technical directions of artificial intelligence is voice technology. What are the cutting-edge voice technologies? (Multiple choice)

A. Adaptive Technology

B. Neural Networks

C. Quantum computing

D. Language Model

Answer: A B D

NO.24 Which of the following options are based on Ascend 310 devices? (Multiple choice)

A. Atlas 200DK

B. Atlas 800 model

C. Atlas 300 model

D. Atlas 500 model

Answer: A B D

NO.25 In image preprocessing, the function of `()` is to remove noise, etc.

Answer:

Noise reduction

NO.26 In the image preprocessing filtering experiment, which of the following functions calls OpenCV's median blur API?

A. `cv2.GaussianBlur(im, (5, 5), 0)`

B. `cv2.blur(im, (3, 3))`

- C. cv2.medianBlur(im, 5)
- D. cv2.filter2D(im, -1, sharpen_1)

Answer: C

NO.27 After successfully calling the speech recognition service, in the returned information, the _____ field contains the recognition result

Answer:

text

NO.28 Which of the following is not the basic computing resource in the AI Core of the Yiteng AI chip?

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

Answer: D

NO.29 Which of the following scenarios involve speech recognition or speech synthesis technology? (Multiple choice)

- A. Intelligent Customer Service
- B. Intelligent distance education
- C. Smart Home
- D. Mobile voice assistant

Answer: A B C D

NO.30 In Huawei Cloud Face Recognition Service, users can create multiple face libraries without restrictions.

- A. True
- B. False

Answer: A

NO.31 ModelArts has a concept called inclusive AI. Inclusive AI means that more people can do AI development, which lowers the threshold for use; at the same time, more people can afford AI development, which reduces costs.

- A. True
- B. False

Answer: A

NO.32 The v component of the HSV color space and the Y component of the YUV color space both represent the brightness of the image and can be separated as the result of grayscale conversion of the color image.

- A. True
- B. False

Answer: A

NO.33 Which function is not included in the back propagation algorithm?

- A. Incentive Communication
- B. Weight Update
- C. Normalization
- D. Get the gradient

Answer: C

NO.34 ELU increases the computational complexity a little bit based on ReLU , but it has continuous derivatives and the defined surface is relatively smooth.

- A. True
- B. False

Answer: A

NO.35 _____ is a deeply optimized general operator library provided by Huawei, which can meet the needs of most mainstream vision and NLP neural networks.

Answer:

CCE operator library