AI

Question Bank

Helping Others Have Special taste

Questions

1-.....Image processing library mainly focused on computer vision with application in the features of 2D and 3D images

a)Open CV b) Numpy and Scipy c)Sckikit d)PIL

2-.....provides lots of algorithms for image processing.

a)Open CV b) Numpy and Scipy c)Sckikit d)PIL

3-.....for image manipulation and processing

a)Open CV b) Numpy and Scipy c)Sckikit d)PIL

4-.....perform basic operations on images like receive and resize

a)Open CV b) Numpy and Scipy c)Sckikit d)PIL

5-To open an image we use …….

a) im=open(“xxx.jph”)
b) im=open(xxx.jpg)
c) im=image.open(“xxx.jph”)
d) otherwise

6-the output will be

```
from PIL import Image,ImageFilter
im=Image.open("mypic.png")
blurImage=im.filter(ImageFilter.BLUR)
blurImage.save("bluredImage")
blurImage.show()
```

a) mypic will be showed
b) both will be showed
c) bluredImage will be showed
d) otherwise

7-the output will be

```
from PIL import Image,ImageFilter
im=Image.open("mypic.png")
blurImage=im.filter(ImageFilter.boxBlur(5))
blurImage.save("bluredImage.png")
blurImage.show()
```

a)mypic will be showed
b)both will be showed
c) bluredImage will be showed
d) otherwise

8-the output will be

```
from PIL import Image,ImageFilter
im=Image.open("mypic.png")
blurImage=im.filter(ImageFilter.GaussianBlur(5))
blurImage.save("bluredImage.png")
blurImage.show()
```

a)mypic will be showed

b)both will be showed

c) bluredImage will be showed

d) otherwise

9-the output will be

```
from PIL import Image
im=Image.open("mypic.png")
blurImage=im.filter(ImageFilter.GaussianBlur(5))
blurImage.save("bluredImage.png")
blurImage.show()
```

a)mypic will be showed

b)both will be showed

c) bluredImage will be showed

d) otherwise

10-to create a new image we write

a) new_image=image.new(“RGB”,(300,500),”white”)

b) new_image=Image.new(“rgb”,300,500,”white”)

c) new_image=image.new(‘rgb’,(300,500),’white’)

d) new_image=Image.new(“RGB”,(300,500),”white”)

11-this code will draw…

```
from PIL import Image,ImageDraw

im=Image.new( mode: "RGB", size: (500,300), color: 'white')
draw=ImageDraw.Draw(im)
draw.polygon( xy: ((100,100),(200,200),(300,300)),fill=(255,0,0),outline=5)
im.show()
```

a) line b) triangle c)rectangle d) arc

12-the output will be

```
from PIL import Image
im=Image.open("mypic.png")
im2=Image.open("mypic2.png")
im_resized=im.resize(100,100)
im2_resized=im2.resize(100,100)
im_resized.show()
```

a)mypic will be showed

b) mypic(100,100) will be showed

c)error

d)otherwise

13-To merge two pictures , they should be the same size

a)true b)false

14-.....returns a dictionary holding data associated with the image

a) Image.info b) Image.formate c)Image.thumbnails d)Image.convert

15-we can change the size of image using ……..

a)Image.info b) Image.formate c)Image.thumbnails d)Image.convert

16-..... used to get the file name or the path of the image

a)Image.info b) Image.filename c)Image.thumbnails d)Image.convert

17-.....used to get pixel format used by the image .

a)Image.mode b) Image.formate c)Image.thumbnails d)Image.convert

18-A …… consists of a device that contains several processors with several memories connected to each other in parallel

A. a) neuron
B. b) neural network
C. c) nerve
D. d) otherwise

19-A neural network consists of a device that contains …….with ……..connected to each other in parallel,

A. a)several processors , several memories
B. b) single processor , several memories
C. c) several processors , single memory
D. d) otherwise

20-.....is a massive processor distributed in parallel, and composed of simple processing units, which stores practical knowledge to make it available to the user by adjusting the weights.

A. a) neuron
B. b) neural network
C. c) nerve
D. d) otherwise

21-The artificial neural network consists of a neuron corresponding to ……..

A. the nucleus
B. the axon
C. the nerve endings
D. otherwise

22-The neural network contains …….layer of input units, but it may contain ……..of processing layers,

A. one,one
B. more than one layer ,more than one layer
C. more than one layer,one
D. otherwise

23-All of them are applications neural networks except……

A. Recognize sounds.
B. Pattern recognition
C. image recognition
D. otherwise

24-In this method, the training class consists of two pairs of vectors, the input vector which is the input values of the network, and the output vector which is the values the network outputs.

A. Supervised Learning.
B. Unsupervised Learning
C. all of them
D. none of them

25-In this method the training class is an input vector only without displaying the output to the network where the network can modify the weights of its correlations from the stored examples

A. Supervised Learning.
B. Unsupervised Learning
C. all of them
D. none of them

26-The……. have a hidden layer between the input and output layers in addition to two weights matrixes to link this layer with the input and output layers

A. single layer
B. multi layer
C. auto layer
D. otherwise

27-the …….consists of the input and output layers in addition to the weights matrix that connects these two layers

A. single layer
B. multi layer
C. auto layer
D. otherwise

28-..... is the stage of adjusting the weights until we reach weights capable of giving correct answers.

A. Learning Stage
B. Test Stage
C. Transformation
D. Weighted Sum

29-..... is the process of adding the product of the weights to the inputs of the preceding layer

A. Learning Stage
B. Test Stage
C. Transformation
D. Weighted Sum

30-In ……. the result of the addition process is converted to one of the values that are supposed to be among the desired network outputs.

A. Learning Stage
B. Test Stage
C. Transformation
D. Weighted Sum

31-In this stage, the network output is compared to the correct output by subtracting the target and the output from the network output.

A. Weights adjustments
B. Test Stage
C. Transformation
D. Weighted Sum

Answers

Question	Answer
1	A
2	**C**
3	B
4	**D**
5	D
6	**D**
7	D
8	**C**
9	D
10	**D**
11	A
12	**C**
13	A
14	**A**
15	C
16	**B**
17	A
18	B
19	A
20	B
21	A
22	D
23	D

24	A
25	B
26	B
27	A
28	D
29	A
30	C
31	A

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