**1. What does RGBA stand for?**

Ans – RGBA stands for Red, Green, Blue and Alpha. It is color model used to represent and define colors in computer graphics and image processing.

**2. From the Pillow module, how do you get the RGBA value of any images?**

Ans- 1- First Pillow should be installed

2- Import the necessary modules

3- Open the image using the ‘Image.open()’ function

4- Convert the image RGBA mode if its not already on RGBA format.

5- Get the pixel data of the image using the “image.getdata() method.

6- Iterate through the pixel data and access the RGBA values.

**3. What is a box tuple, and how does it work?**

Ans – A box tuple consist of four values (left,upper,right,lower)

‘left’ – The x-coordinate of the leftmost edge of the box

‘upper’- The y-coordinate of the uppermost edge of the box.

‘right’- The x-coordinate of the rightmost edge of thebox.

‘lower’- The y- coordinate of the lowermost edge of the box.

**4. Use your image and load in notebook then, How can you find out the width and height of an Image object?**

Ans –1- First make sure Pillow is installed.

2- Import the necessary modules

3- Open the image using the ‘Image.open()’ function

4- Retrieve the width and height of the image by using the ‘image.size’

5- Print the width and height values

**5. What method would you call to get Image object for a 100×100 image, excluding the lower-left quarter of it?**

Image.crop()

**6. After making changes to an Image object, how could you save it as an image file?**

Ans – By using image.save(file.jpg)

**7. What module contains Pillow’s shape-drawing code?**

ImageDraw modul is part of python image library called Pillow

**8. Image objects do not have drawing methods. What kind of object does? How do you get this kind of object?**

We need the ImageDraw object to perform operations on image

To get image object we need to write

from PIL import Image, ImageDraw

ImageDraw.Draw()