

(5) HSV encodes color information by separating out the brightness (value or intensity) value from? (10 pts)

1. The two values for encoding chromaticity (color).
2. The Red, Green, and Blue color channels.
3. The additive color system.
4. None of the above

Answer:

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(6) A black and white image histogram is a plot of? (10 pts)

1. The angle of the Hue value.
2. The array position of the pixel values.
3. The brightness (intensity) distribution of the pixel data along it's value range.
4. The largest saturation value in the image.

Answer:

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(7)) Which is not a Raster file type and does not store pixel data in an array? (10 pts)

1. TIFF
2. JPEG
3. PostScript (PDF)
4. PNG

Answer:

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(8) True or False: A Python list does support mathematical operations, so the following code will output [2,4,6]. (10 pts)

```
list = [1,2,3]
list = list * 2
print(list)
```

Answer:

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(9) Write the Pseudo Code for the image pipeline we built in class for skin tracking. (20 pts)

You can write the comments for each step or a plain english explanation. Just be as clear as possible.

Your first line should be: **Import image.**

Your last line should be: **Draw masked image.**