Quiz 1 Results for Stephen Giang

! Correct answers are hidden.

Score for this quiz: **10** out of 10 Submitted Sep 23 at 3:08pm This attempt took 20 minutes.

Question 1	1 / 1 pts
Which of the following statements is incorrect (wrong).	
The storage type for Portable File Formats can be ASCII or raw	
RGB files are used for color printing	
JPEG images are compressed.	
All interchange file formats can be used with different software and hardware	

Question 2

Consider HSI images below



Image A



Image B

B is a low intensity version of A
B is low saturated version of A
B is high intensity version of A
B is a high saturated version of A

Question 3	1 / 1 pts
For which of the following factors human vision is superior to machine vision.	
measurement quality	
3-D capability	
Spectrum response	
image acquisition speed	

Question 4	1 / 1 pts
Which of the following is true for dithering using error diffusion?	
The image is enlarged a with a pattern matrix	
Certain adjacent pixel values are adjusted depending on the current pixel value.	
A 3 by 3 dither matrix with certain values is defined.	
It is accomplished by thresholding the image against a dither matrix.	

Question 5

	s of pixel values o	r intensities.			
Enlargement of images in raster format maintains the sharpness of the image.					
O Images p	produced by came	ras are not of ras	ter format.		
O It consist	s of a collection of	ilines.			
uestion 6					1.5 / 1.5 pt
osition	101	102	103	104	7
alue	36			48	7
38					
384446					
44					
4446					
444642					1 / 1 pt
4446					

Question 8

Which of the following statements is true regarding Image A and Image B below?

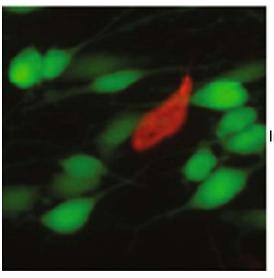


Image A

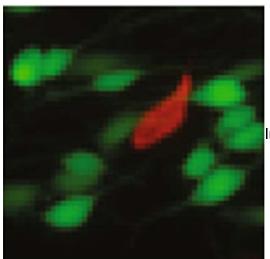


Image B

- Pixels in B have higher bits than those in A.
- Image A has a higher resolution than Image B.
- A is a blurred version of Image B.
- Pixels in B have fewer bits than those in Image AI

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Question	9

1.5 / 1.5 pts

Suppose an object of size 40 by 40 mm must occupy an area in the image plane more than area of 4 by 4 mm but less than 6 by 6 mm . The distance between the image plane and object is more 500 mm. What should be the focal length of the camera? Choose from standard focal length of 25, 35, 50 and 70 ($x_{image} = \frac{f \, x_{obj}}{Z-f}$.)

- **70**
- O 50
- 25
- 35

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