

**Started on** Monday, 23 August 2021, 9:45 AM  
**State** Finished  
**Completed on** Monday, 23 August 2021, 9:55 AM  
**Time taken** 10 mins 1 sec  
**Grade** 7.00 out of 8.00 (87.5%)

**Question 1**

Correct

Mark 1.00 out of 1.00

The retina is a cell wall that is sensitive to light, where every cell sends an activation to the brain which interprets the images.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

**Question 2**

Correct

Mark 1.00 out of 1.00

"Sampling" is the number of bits used to represent a pixel in an image

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

**Question 3**

Correct

Mark 1.00 out of 1.00

RGB images are easier for hardware implementations whereas HSI are easier for human interpretation

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

## Question 4

Correct

Mark 1.00 out of 1.00

The "E" parameter in the equation of page 10 in lecture 2, controls how whiter/darker the pixels get. The higher the E, the whiter/darker the pixels get.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

## Question 5

Incorrect

Mark 0.00 out of 1.00

Gaussian Filter is used to sharpen the image directly, the higher the used "sigma" the more sharpened the output of the gaussian filter is.

Select one:

- ☒ True ✗
- ☐ False

The correct answer is 'False'.

## Question 6

Correct

Mark 1.00 out of 1.00

Sharpening can be made by adding the (difference between the original and the blurred image) back to the original image.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

## Question 7

Correct

Mark 1.00 out of 1.00

Mean is a statistical measure that is sensitive to outliers whereas Median is a less sensitive measure

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

## Question 8

Correct

Mark 1.00 out of 1.00

Affine transforms allow us to rotate, shrink, scale and translate images in any direction we want.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.