Question 1

What is a Convolution?

A. A technique to filter out unwanted images
B. A technique to make images bigger
C. A technique to isolate features in images
D. A technique to make images smaller

Question 2

What is a Pooling?

A. A technique to make images sharper
B. A technique to reduce the information in an image while maintaining features
C. A technique to combine pictures
D. A technique to isolate features in images

Question 3

How do Convolutions improve image recognition?

A. They make the image clearer
B. They make processing of images faster
C. They make the image smaller
D. They isolate features in images

Question 4

After passing a 3x3 filter over a 28x28 image, how big will the output be?

A. 31x31
B. 25x25
C. 26x26
D. 28x28

Question 5

After max pooling a 26x26 image with a 2x2 filter, how big will the output be?

A. 28x28
B. 13x13
C. 56x56
D. 26x26

Question 6

Applying Convolutions on top of our Deep neural network will make training:

A. Faster
B. It depends on many factors. It might make your training faster or slower, and a poorly designed Convolutional layer may even be less efficient than a plain DNN!
C. Slower

D. Stay the same