**TOTAL POINTS 6**

1.Question 1

What is a Convolution?

A technique to make images bigger

A technique to filter out unwanted images

A technique to isolate features in images

A technique to make images smaller

2.Question 2

What is a Pooling?

A technique to reduce the information in an image while maintaining features

A technique to make images sharper

A technique to combine pictures

A technique to isolate features in images

3.Question 3

How do Convolutions improve image recognition?

They make processing of images faster

They make the image clearer

They isolate features in images

They make the image smaller

4.Question 4

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

25x25

26x26

28x28

31x31

5.Question 5

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

56x56

26x26

13x13

28x28

6.Question 6

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

Stay the same

Faster

Slower

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!