

[Dashboard](#)[My courses](#)[In18-S7-EN4553 \(116751\)](#)[11 Nov 2022 - A Primer for Deep Learning](#)[Quiz 05](#)**Started on** Friday, 18 November 2022, 12:48 PM**State** Finished**Completed on** Friday, 18 November 2022, 12:53 PM**Time taken** 5 mins 5 secs**Grade** 5.00 out of 5.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

How many channels does an RGB image have ?

Answer:

3



The correct answer is: 3

Question 2

Correct

Mark 1.00 out of 1.00

In classical Machine Learning, image based feature extraction was done using

- ☐ a. Trainable Networks
- ☒ b. Hand crafted feature extractors



Your answer is correct.

The correct answer is:

Hand crafted feature extractors

Question 3

Correct

Mark 1.00 out of 1.00

How many learnable parameters are there in a convolutional layer with an input of $128 \times 128 \times 3$ which has 64 output channels. The kernel used is of dimension 5×5 .

Answer: ✓

The correct answer is: 4864

Question 4

Correct

Mark 1.00 out of 1.00

Carry out 2×2 max pooling on the following input

| | | | |
|-----|-----|----|----|
| 12 | 20 | 30 | 0 |
| 8 | 12 | 2 | 0 |
| 34 | 70 | 37 | 4 |
| 112 | 100 | 25 | 12 |

| | |
|-----|----|
| 20 | 30 |
| 112 | 37 |

Your answer is correct.

Question 5

Correct

Mark 1.00 out of 1.00

A 10x10x10 input tensor when flattened will have an output dimension of ✓ x ✓

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