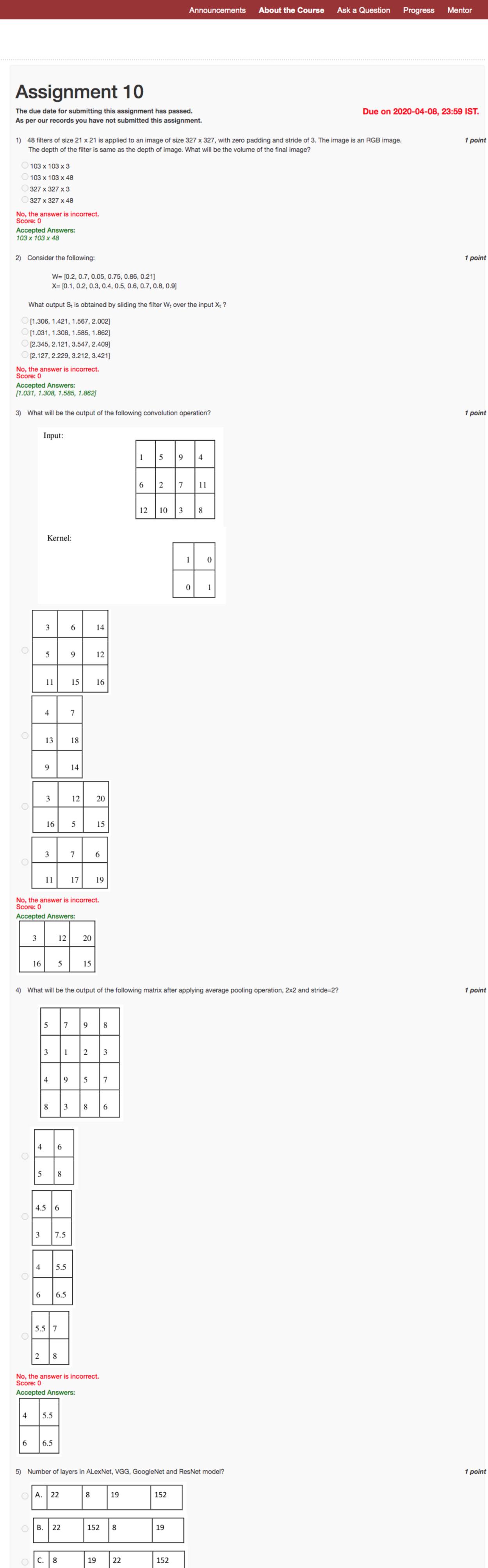
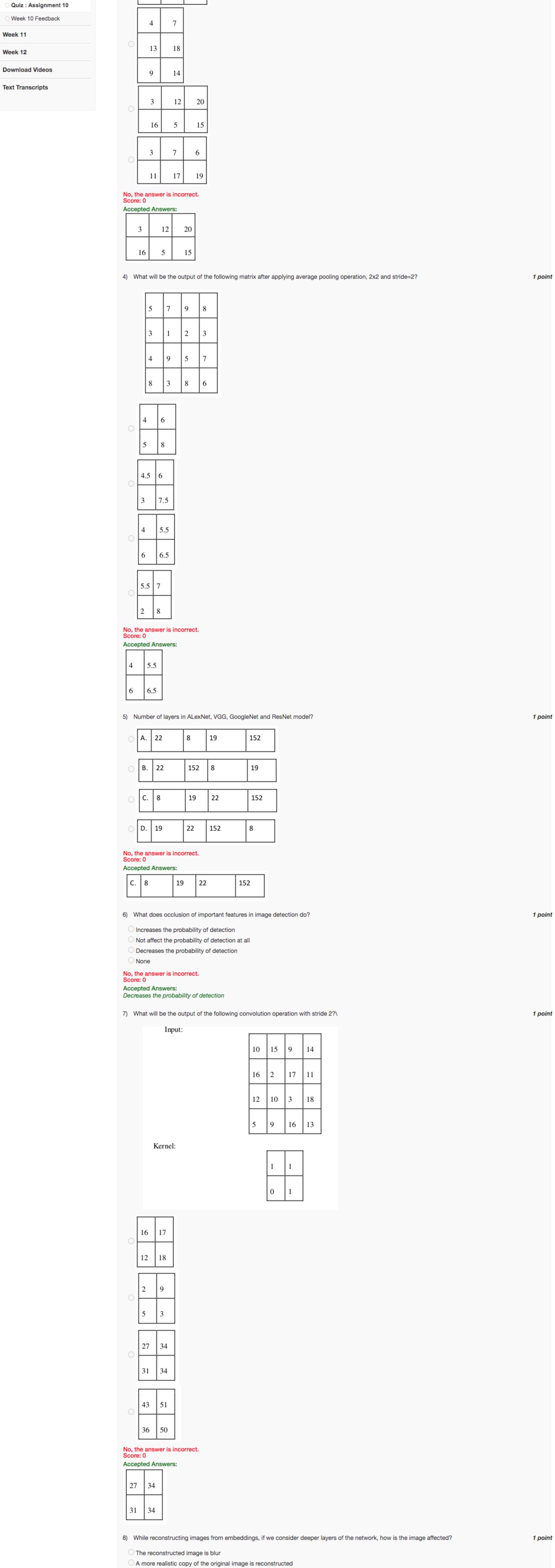
Unit 12 - week 10 Course outline How does an NPTEL online course work? Week 0 Week 1 0 103 x 103 x 3 Week 2 0 103 x 103 x 48 327 x 327 x 3 Week 3 327 x 327 x 48 week 4 No, the answer is incorrect. Score: 0 Week 5 Accepted Answers: 103 x 103 x 48 Week 6 2) Consider the following: Week 7 Week 8 Week 9 week 10 The convolution operation Relation between input size, output size and filter size No, the answer is incorrect. Score: 0 Convolutional Neural Accepted Answers: Networks [1.031, 1.308, 1.585, 1.862] Convolutional Neural Networks (Contd.) CNNs (success stories on Input: ImageNet) CNNs (success stories on ImageNet) (Contd.) Image Classification continued (GoogLeNet and ResNet) O Visualizing patches which maximally activate a neuron Visualizing filters of a CNN Occlusion experiments Kernel: Finding influence of input pixels using backpropagation Guided Backpropagation Optimization over images Create images from embeddings Deep Dream 3 6 Deep Art 5 9 Fooling Deep Convolutional Neural Networks Lecture Material for Week 10 15 11 7 4





 The reconstructed image is sharpened The reconstructed image becomes abstract No, the answer is incorrect. Score: 0 Accepted Answers: The reconstructed image becomes abstract 9) Which of the following is true for content and style of image w.r.t. Deep Art? 1 point Ocontent should match and Style shouldn't match Ocontent shouldn't match and Style should match Both Content and Style should match Both Content and Style shouldn't match No, the answer is incorrect. Score: 0 Accepted Answers: Both Content and Style should match 10) It is very easy to fool a CNN. Which of the following statements doesn't support the above argument? 1 point The CNN draws very stringent/strict boundaries for classification. The decision boundaries are loosely drawn. The input dimension for a certain class is very very large.

O None No, the answer is incorrect. Score: 0 Accepted Answers: The CNN draws very stringent/strict boundaries for classification.