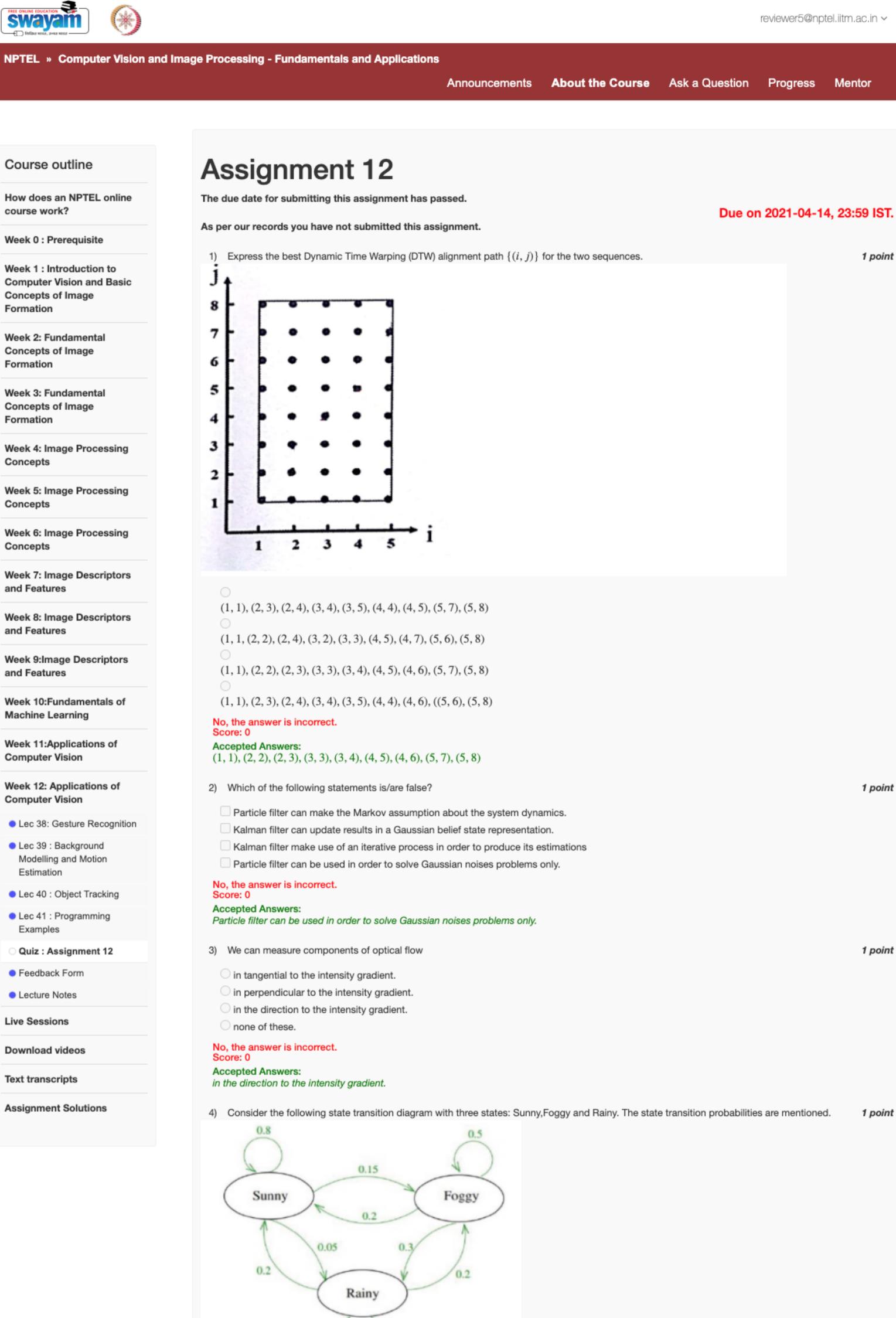
1 point





days(including today). Calculate the likelihood for the weather on these three days to have been (q1='Foggy',q2='Foggy',q3='Sunny'). As you do not know how the weather is on the first day (i.e. today), assume the three weather situations are equi-probable. Use the concept of Hidden Markov Model.

0.02268 0.0057 0.0147

0.0285 No, the answer is incorrect.

Score: 0

Accepted Answers: 0.0147

5) Which of the following statements about the clustering is/ are true?

K-mean is no explicit estimation of probability density function. Mixture of Gaussian is parametric estimation of probability density function.

Mean shift is non-parametric estimation of probability density function. All of the above.

No, the answer is incorrect. Score: 0

Accepted Answers: All of the above.

6) The condition of Dynamic Time Warping which guarantees that the alignment does not omit important features is

 Monotonicity. Continuity.

Boundary condition. Slope constraint.

No, the answer is incorrect. Accepted Answers:

Continuity.

7) An iterative localization procedure based on the maximization of a similarity measure is called as

Blob tracking

Kernel-based tracking

 Contour tracking Visual feature matching

No, the answer is incorrect. Score: 0

Accepted Answers: Kernel-based tracking

The technique used for background subtraction is/are

 Frame difference Gaussian Mixture model

 Kernel density estimation All of the above

No, the answer is incorrect.

Score: 0 Accepted Answers: All of the above

9) An input image has been converted into a matrix of size 28 × 28 and a kernel/filter of size 7 × 7 with a stride of 1. What will be the size of the 1 point

convolutional matrix?

 21×21

 28×28

 22×22

 7×7

No, the answer is incorrect.

Accepted Answers: 22×22

10) What will be the final result?

newimage = image.thumbnail((400, 400))print(newimage. size)

 $image = Image. open('demo. jpg'); \{Output : (1920, 1280)\}$

 400×267

 400×400

 400×320

 400×186

Accepted Answers: 400×267

No, the answer is incorrect. Score: 0