

**Q1 Generate two different variants of the CNN architecture, used for training CIFAR-10 dataset as a part of the lab exercise, and report the overall training and test accuracies obtained for both the variants. Please explain how the variants are generated?**  
**Possible Points: 50**

- The variants of the CNN architecture may be generated by varying any of the following: number of kernels in a convolutional layer, varying the batch size, adding more layers, changing the learning rate, and the optimizer.

**Q2 What is meant by regularization of the deep learning model? What are the ways to regularize the deep learning model?**

- Limit the answer to two to three paragraphs.

**Possible Points:50**

**Deliverables to be uploaded to the blackboard**

1. Structure of the two variants of the CNN structure along with accuracies (see question 1)
2. Answer to the above Question 2