

ASSIGNMENT 4

Instructions:

- 1) 30 min for write up. 60 min to scan and upload your write up and **click turn-in**.
- 2) Student have to write their answers in their own handwriting on a white sheet.
- 3) **On the top of answer sheet, mandatorily student should write name, sem, Reg no., Course name, and student signature.**
- 4) Pages scanned should be included in a single file before uploading.

Q1. Compare simple RNN with ANN. Discuss and prove the vanishing / exploding gradient problem is much worse in simple RNN than DNN. 2 Marks

Q2. What are the core idea of LSTM cell? What the Cell state, Forget gate, i/p gate and o/p gate, intermediate cell state speaks about. 1 ½ Marks

Q3. Discuss the GAN objectives and working principle with supportive diagram. 1 ½ Marks