Mid semester Examination

Component 2 – Descriptive
Mode: Written and uploaded in Google Classroom

Total marks -30
Time – 90 minutes

Each question carries 10 marks   **3x10=30**

1 (a) Why ambiguity is considered as one of the most prominent challenges in NLP? How to resolve the ambiguity. Elaborate various methods with appropriate examples.

        OR

1(b) Probabilistic modeling is a core technique for many NLP tasks. Elaborate the concept based on an application.

2(a) An utterance is the spoken correlate of a sentence. Justify the statement with proper explanation and suitable examples

OR

2(b)How to avoid assigning zero probability to a language model due to unseen events? Explain any two methods in detail.

3(C) The HMM is based on augmenting the Markov chain. Elaborate in detail including various stages, equations based on a suitable case study.