

 SASTRA <small>ENGINEERING · MANAGEMENT · LAW · SCIENCES · HUMANITIES · EDUCATION</small> DEEMED TO BE UNIVERSITY <small>(U/33 J OF THE UGC ACT 1956)</small> <small>THINK MERIT · THINK TRANSPARENCY · THINK SASTRA</small>	School of Computing Course Code: CSE405R02 Course Name: Natural Language Processing Duration: 3 hrs Max Marks: 50
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Question 4

1. Implement the Bayesian Disambiguation Algorithm to find the sense of the word 'bass' in the sixth sentence.

Sentence No.	Words	Classes
1	Bass, food, super, sea	Fish
2	Bass, aquatic, life	Fish
3	Bass, animal, pisces	Fish
4	Bass, play, band, sound	Music
5	Bass, fusion, instrument, guitar	Music
6	Bass, drums, instrument, sound	?

2. Construct a Feed Forward Neural network for the task of classifying the Real and Fake News from the text given (Perform the required data pre-processing and feature engineering. Use word2vec). **File name: Q2TrueFakeNewsDataset.**