



CO3: (15)

- a. What are the different types of ambiguity? Explain briefly. Discuss in short : how they are handled in NLP. (8+4)
- b. Consider the sentence “Horse ran up the hill. It was very steep. It soon got tired “. Identify the type of ambiguity. Explain. (3)

CO4: (25)

- a. What do you mean by argumentation mining? Give an example. (5)
- b. What is the importance of tf-idf in text extraction summarization? (5)
- c. What do you understand by levenshtein distance? Explain with examples. (7)
- d. What do you mean by word embeddings? Discuss the differences between CBOW and Skip gram with examples. (8)

CO5: (15)

- a. How can a model have a high accuracy but a low F1 score? Can you provide an example where this might happen? (5)
- b. How does a language model help in predicting the next word or sequence of words in a sentence? Discuss with N gram Model . (5)
- c. Given a case where both false positives and false negatives are costly, how would you evaluate your model? Which metric would you choose to optimize? (5)

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