

- b) Summarize a comparative study on Latent semantic indexing model and Neural network model. (13)

13. a) Explain in detail about k-nearest neighbor classifier with an illustration. (13)

OR

- b) Summarize in detail about Naive Bayes text classification and list down the properties of Naive Bayes. (13)

14. a) Demonstrate in detail about search engine optimization. (13)

OR

- b) Analyse in detail about Near-duplicates and examine the behaviour of a web crawler. (13)

15. a) Classify and explain recommendation techniques with suitable examples and list its advantages and disadvantages. (13)

OR

- b) Explain about Matrix Factorization and narrate in detail about Neighborhood models. (13)

PART-C (1 x 15 = 15 Marks)

16. a) Design and develop a web search engine architecture. List the applications of web crawler and explain how domains are newly hosted in the web. (15)

OR

- b) Describe in detail about the working of IR Architecture with a neat diagram and summarize the retrieval and ranking process with suitable examples. (15)