15CS741

(04 Marks)

OR

6 a. Give the equation of kernel extraction for finding common features between x and y. How is K(x, y) computed for location relationship for the sentence given below:

 S_1 = his actions in Bombay

 S_2 = his arrival in Delhi.

(08 Marks)

b. With the help of diagram, explain the learning frame work architecture.

(08 Marks)

Module-4

7 a. Explain latent semantic analysis (LSA) feedback systems.

(08 Marks)

b. What is data preparation? Give the processes involved in abstraction over the input text.

(08 Marks)

OR

8 a. Give the characteristics of Coh-matrix. Provide suitable examples to rate high and low cohesion. How is this different from text identification? (08 Marks)

b. Elicit salient features of semantically guided text mining.

(08 Marks)

Module-5

9 a. Explain PoS tagger in details? Provide suitable examples for PoS tagger. (08 Marks)

b. Give the salient features of FrameNet Corpus. Provide details of how it is used in sematic labeling and analysis. (08 Marks)

OR

10 a. Present the design aspects of information retrieval systems. Use diagram wherever required.
(08 Marks)

b. How stemmer process is applied on corpus like FrameNet? Give the details of word in FrameNet. (08 Marks)

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