Time: 3 Hours   Max. Marks: 60

Note: 1. It is compulsory to answer the questions of Part -1. Limit your answers within 20-40 word in this part.
2. Answer any four questions from Part -2 in detail.
3. Different parts of the same question are to be attempted adjacent to each other.

PART -1

Q1 (a) Briefly explain about inverted index.   (2)
(b) What is Ranking in IRS?   (2)
(c) Briefly explain Query Processing.   (2)
(d) What is web Data Mining?   (2)
(e) What is RDF?   (2)
(f) Define Taxonomy.   (2)
(g) What is the utility of semantic markup?   (2)
(h) When Discovery Strategy is applied.   (2)
(i) What do you mean by SWD?   (2)
(j) Briefly explain the utility indexation strategy.   (2)

PART -2

Q2 (a) What is IR? Differentiate between IR and DR.   (5)
(b) How semantic web is different from WWW?   (5)

Q3 (a) Explain Aggregation & Distributed information.   (5)

(b) Explain core elements of RDRS.   (5)

Q4 (a) What is difference between Traditional SE and Semantic SE?   (5)

(b) Why prototype SE provide better performance?   (5)

Q5   What is Fundamental rule of RDF? Explain with example.   (10)

Q6   Explain with diagrammatic illustration the main processes in an IRS. (10)

Q7   Explain the Architecture of Semantic web SE.   (10)

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