Code: 9F00405b

MCA IV Semester Supplementary Examinations November/December 2017
SOCIAL NETWORKS & SEMANTIC WEB
(For students admitted in 2012, 2013, 2014 & 2015 only)

Time: 3 hours   Max. Marks: 60

Answer any FIVE questions
All questions carry equal marks
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1 (a) Explain how HTML limits the manipulation of information.
   (b) What is web intelligence? Explain the features of Web3.0.

2 (a) Discuss about ontology languages for the semantic web.
   (b) Explain how UML is used for knowledge representation.

3 (a) What is ontology? Explain briefly ontology 'SPOT' example.
   (b) Explain about ontology libraries and ontology mapping.

4 (a) Discuss briefly semantic web services.
   (b) Explain how do semantic networks improve relevancy.

5 (a) What is social network analysis? Explain about measure in network analysis.
   (b) Explain the macro-structure of social networks.

6 (a) Write short note on blogs and online communications.
   (b) Explain about ontological representation of social relationships.

7 Explain with a neat diagram of generic with semantic web applications using Sesame and Elmo.

8 Write short notes on the following terms:
   (a) Data acquisition.
   (b) Schema matching.
   (c) Social network data.

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