

Code: 9F00405b

MCA IV Semester Regular & Supplementary Examinations July 2015

SOCIAL NETWORKS & SEMANTIC WEB

(For students admitted in 2009, 2010, 2011, 2012 and 2013 only)

Time: 3 hours

Max Marks: 60

Answer any FIVE questions

All questions carry equal marks

- 1 (a) What are the limitations of today's web? Write about next generation web.
(b) Explain semantic web road map.
- 2 (a) Explain in detail ontology languages for the semantic web.
(b) Difference between OWL and UML.
- 3 (a) What is ontology engineering? Explain the concept of ontology sharing and merging.
(b) Write about rule and inference engines.
- 4 (a) Write about XML based web services.
(b) Explain creating an OWL-S ontology for web services.
- 5 (a) What is networks analysis? Explain development of social networks.
(b) What are personal networks?
- 6 (a) Explain electronic discussion networks.
(b) Describe online communities.
- 7 Explain in detail building semantic web applications with social network features.
- 8 Explain about:
(a) Data acquisition.
(b) Structural and cognitive effects.
