

**Code: 9F00505a**

**MCA V Semester Supplementary Examinations May 2019**

**WEB SERVICES**

(For 2009, 2010, 2011, 2012 (LC), 2013, 2014, 2015 & 2016 admitted batches only)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) Define middle tier component. Explain any one middle tier component.  
(b) What is a web service? Explain Java RMI architectural model.
- 2 (a) Why to use web services? Discuss basic operational model of web services.  
(b) Narrate the benefits and challenges of using web services.
- 3 (a) Discuss messaging-based communication model.  
(b) Elaborate various steps or process involved in implementing web services.
- 4 (a) Describe the SOAP message structure.  
(b) Explain briefly the SOAP security.
- 5 (a) Draw the diagram of basic SOAP message exchange model and explain.  
(b) Discuss SOAP message exchange patterns.
- 6 (a) Explain in detail about WSDL in the world of web services.  
(b) Briefly discuss various WSDL bindings.
- 7 (a) Explicate the role of service discovery in a SOA.  
(b) Write about UDDI data structures.
- 8 (a) Write short notes on XML encryption.  
(b) Make clear note on XKMS structure.

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