

Code: 9F00505a

M. C. A - V Semester Regular & Supplementary Examinations December 2015

**WEB SERVICES**

(For 2010, 2011, 2012 & 2013 admitted batches only)

Time: 3 hours

Max Marks: 60

Answer any FIVE questions  
All questions carry equal marks

\*\*\*\*\*

- 1 (a) What are the challenges in distributed computing?  
(b) Mention the features of CORBA and DCOM.
- 2 (a) Define web services. What are the benefits? How they differ from web applications?  
(b) Explain the basic operational model of web services.
- 3 (a) Describe the architecture and characteristics of web service.  
(b) Explain the basic steps involved in implementing web services.
- 4 (a) Explain the SOAP message structure and illustrate SOAP with attachment.  
(b) Comment on implementation of SOAP with java.
- 5 (a) Can we design a web service only with the help of SOAP, independently?  
(b) What are various limitations of SOAP?
- 6 (a) What is WSDL? Draw basic structure of WSDL.  
(b) How does WSDL contribute for web application containing web services?
- 7 (a) What is the role of service discovery in SOA? Describe various service discovery mechanisms.  
(b) What are the limitations of UDDI?
- 8 (a) Write about XML security framework. Explain.  
(b) Write the guidelines for signing XML documents.

\*\*\*\*\*