**Reg. No. \_\_\_\_\_\_\_\_**

**Karunya University**

**(Karunya Institute of Technology and Sciences)**

(Declared as Deemed to be University under Sec.3 of the UGC Act, 1956)

**End Semester Examination - April /May - 2017**

**Code : 14CS3059 Duration : 3 hrs**

**Sub. Name : WEB SERVICES Max. marks: 100**

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| Q.  No | Questions | Course Outcome | Marks |
| 1. | Sketch the basic operational model of web services and explain its five core standards and technologies for building and enabling web services. | CO1 | 20 |
|  | (OR) |  |  |
| 2. | Explain the process steps involved in implementing and deploying web services. | CO2 | 20 |
| 3. | Explain the role of SOAP in developing web services. Illustrate the structure of SOAP message and its elements. | CO2 | 20 |
|  | (OR) |  |  |
| 4. | Explain the elements of WSDL document and also the role of WSDL in the Web service life cycle. | CO1 | 20 |
| 5. | Define UDDI registry service. Explain the five primary UDDI data structures defined in UDDI specification. Discuss the procedure for searching information about the business in a UUDI registry. | CO3 | 20 |
|  | (OR) |  |  |
| 6. | Explain the java API available for processing XML document using DOM processing model. Give Sequence diagram for JAXP parsing using DOM. | CO3 | 20 |
| 7. | Explain the procedure for sending XML messages using JAXM APIs without a messaging provider. | CO3 | 20 |
|  | (OR) |  |  |
| 8. | Explain the procedure for developing a JAX-RPC based web service from java classes. | CO3 | 20 |
| **Compulsory :** | | | |
| 9. | Explain any two web services security techniques used for securing Web Services on network. | CO4 | 20 |