

Total No. of Questions : 5]

PA-3402

[5919]-14

M.Sc. (Computer Science)
CSDT - 114 (C) : WEB SERVICES
(2019 Pattern) (Semester - I)

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) *Question 1 is compulsory.*
- 2) *Solve any three questions from Q.2 to Q.5.*
- 3) *Questions 2 to 5 carry equal marks.*

Q1) Solve any five of the following. [5]

- a) What do you mean by wire protocol?
- b) Give the use of SOAP actor attribute.
- c) Define UDDI.
- d) What is Web Service?
- e) Define stub.
- f) How does solicit-response operation differs from Request-response operation?

Q2) Attempt the following: [10]

- a)
 - i) Explain in short Apache Axis environment. [2]
 - ii) Explain publishing API of UDDI. [4]
- b) Explain different ways to secure a RESTFUL API in Java. [4]

Q3) Attempt the following: [10]

- a) i) Give the difference between JSON and XML. [2]
- ii) What are the characteristics of Web Services. [4]
- b) What is SOAP? Give the structure of SOAP message and explain it. [4]

Q4) Attempt the following: [10]

- a) i) List the Header Child Element Attributes. [2]
- ii) Explain the steps in DCOM Communication. [4]
- b) Explain Limitations of UDDI. [4]

Q5) Attempt any two of the following: [10]

- a) Explain Web Service architecture. [5]
- b) Explain design guidelines for building RESTFUL Web Service. [5]
- c) Describe UDDI data structure and their relationships with figure. [5]

