

Total No. of Questions : 5]

P563

[5840]-104

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

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) *Q. No. 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 is envelop in SOAP message?
- b) What are the different types of web services?
- c) What are the core building blocks of web services?
- d) What is resource in REST?
- e) List any two WSDL tools.
- f) What are the two basic types of services discovery in SOA.

Q2) Attempt the following: [10]

- a) i) What are the advantages of web services? [2]
- ii) What are VDDI data sructures? Show the relationship of UDDI data structures with the help of neat labelled diagram. [4]
- b) Differentiate between SOAP and REST. [4]

Q3) Attempt the following. [10]

- a) i) Explain different HTTP methods supported by RESTful web services. [2]
- ii) Explain the Header block of SOAP meassage in detail. [4]
- b) Explain the three elements of UDDI. [4]

Q4) Attempt the following: [10]

- a) i) What is the transport method in SOAP? [2]
- ii) Differentiate between web services versus web based applications. [4]
- b) What are ,<definitions> and <port type> elements in WSDL? Write on example for each. [4]

Q5) Attempt any two of following: [10]

- a) Write a short note on WSDL binding.
- b) Write a short note on REST architectural elements.
- c) Write short note on SOAP communication model.

