Exam No: _____

GANPAT UNIVERSITY

M. TECH SEM- I (IT) REGULAR EXAMINATION DEC 2014 – JAN 2015

3IT104: Service Oriented Computing

MAX. TIME: 3 HRS

MAX. MARKS: 60

Instructions: (1) This Question paper has two sections. Attempt each section in separate answer book.
(2) Figures on right indicate marks.
(3) Be precise and to the point in answering the descriptive questions.

SECTION: I

Q.1 **Answer the following.**

(A) Define the following terms: [5]
(i) Service Oriented Computing
(ii) XDR

(B) Discuss the architecture of DCE RPC and SUN RPC in brief [5]

OR

Q.1 **Answer the following.**

(A) Discuss the role of Port mapper and RMI registry with an appropriate diagram [5]

(B) Differentiate Object oriented approach with Service oriented approach [5]

Q.2 **Answer the following.**

(A) Explain static and dynamic binding for CORBA. [5]

(B) Write various steps to implement Prime number service using Java RMI. [5]

OR

Q.2 **Answer the following.**

(A) Define the term Interface. Compare Java RMI and Web services technologies [5]

(B) Describe the steps for developing a CORBA application. [5]

Q.3 **Answer the following.**

(A) Describe various XML parsing standards. [5]

(B) Define Markup. Explain various features of XML over HTML. [5]

[P.T.O]

SECTION: II

Q.4 **Answer the following.**

(A) Define SOAP. Explain various building blocks of SOAP protocol [5]

(B) Discuss Valid and Well-formed XML document with an example [5]

OR

Q.4 **Answer the following.**

(A) Define Various types of Namespace. Why Namespace is required in XML document? [5]

(B) Describe SOAP Communication Model with an example. [5]

Q.5 **Answer the following.**

(A) Explain REST-based Web services in detail. [5]

(B) Define various elements of WSDL document, in brief. [5]

OR

Q.5 **Answer the following.**

(A) Describe the steps required to implement SOAP-based Web services. [5]

(B) Describe the data model of UDDI. [5]

Q.6 **Answer the following.**

(A) Define the meaning of Semantic Web and Linked Open Data [5]

(B) Explain Web Service Architecture model in detail. [5]

----------**END OF PAPER**----------