

GUJARAT TECHNOLOGICAL UNIVERSITY**M. E. - SEMESTER – II • EXAMINATION – WINTER • 2014****Subject code: 1720102****Date: 03-12-2014****Subject Name: Distributed Computing & Application****Time: 02:30 pm - 05:00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Write strength and weakness of distributed computing. **07**
(b) Explain data marshaling in IPC with example. **07**
- Q.2** (a) Explain concurrent server with example. **07**
(b) Explain distributed objects paradigms. **07**
- OR**
- (b) Explain tradeoff between different distributed computing paradigms. **07**
- Q.3** (a) Explain stream mode socket API. **07**
(b) Explain connection oriented datagram socket API with code. **07**
- OR**
- Q.3** (a) Explain connectionless client server paradigm. **07**
(b) Write steps for building an RMI application. **07**
- Q.4** (a) Explain java IDL with example. **07**
(b) Explain basic CORBA architecture and inter ORB protocols. **07**
- OR**
- Q.4** (a) Explain Model View Controller architecture. **07**
(b) Explain servlet life cycle. **07**
- Q.5** (a) Explain web services in brief. **07**
(b) Explain API for XML processing **07**
- OR**
- Q.5** (a) Explain SOAP in brief. **07**
(b) Explain architecture of cluster computing. **07**
