Reg. No.	



II SEMESTER M.C.A. END SEMESTER EXAMINATION – APR/MAY 2017 (REVISED CREDIT SYSTEM)

SUBJECT: DISTRIBUTED COMPUTING SYSTEMS [MCA 5002] 25-04-2017

Time: 3 hours Max. Marks: 50

Instructions to Candidates

1. Answer ALL questions.

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2. Missing data may be suitably assumed.

IA	Compare various variants of client server communication model.	5
1B	List out the various types of transparencies expected by distributed system	3
10	Compare computer networks and distributed System	2
2A	Explain distributed object model and its implementation using RMI and RPC.	5
2B	Explain the fundamental models of distributed system.	3
2C	Describe the architectural model of the distributed system.	2
3A	Write a UDP based client-server java program to send a string from client and the server has to check the received string is palindrome or not and send the message back to the client.	5
3B	Explain remote procedure call in distributed system.	3
3C	Explain Name Services and the Domain Name System	2

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4/	Explain elient server communication using HTTP.	5
4B	Explain the Sun network file systems.	3
4C	Compare thread and multiple processes.	2
5A	Explain logical clock and vector clock. List out the advantages and disadvantages of both.	5
5B	Compare preemptive and non-preemptive type of thread scheduling.	3
5C	Discuss event and notifications in distributed system.	-

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