

Roll No

MCA-505(A)

M.C.A. V Semester

Examination, November 2019

Distributed Systems

(Elective-III)

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) What is distributed system? What are its advantages?
When do we use distributed system? 7
b) What are the characteristics of distributed system? 7
2. a) What is remote procedure call? How it is implemented? 7
b) Why do we need synchronization in distributed system? 7
3. a) Explain bully algorithm. Discuss where it is suitable. 7
b) Explain various approaches to code migration. 7
4. a) What is object replication? Explain various reasons of
data replication. 7
b) What are the advantages of data centric consistency
models? 7

5. a) Explain casual and concurrent events by taking suitable
example. 7
b) Explain CORBA in distributed system. 7
6. a) Explain sun network file system. What are its advantages? 7
b) Explain about distributed shared memory. 7
7. a) How do distributed transaction work? 7
b) What are the characteristics of distributed file system? 7
8. Write short notes on any two: 14
a) Distributed security architecture
b) Object oriented programming with SOM
c) KERBEROS
