

M06505

Name:.....

REG NO:.....

FIFTH SEMESTER MCA DEGREE EXAMINATION, APRIL 2006
MCA2K 505C – DISTRIBUTED COMPUTING

Time: 3 hours

Max. Marks: 100

Answer any *five*. Each question carries 20 marks

1. a. List out 7 specific functions of OS and compare the features of modern OS based on their goals. (10)
b. Explain 5 unique classes of Network applications precisely. (10)
2. a. Briefly explain 10 different aspects of Transparency in Distributed Systems. (10)
b. Precisely explain the 2 models of Distributed System with diagrams. (10)
(Workstation Server & Processor Pool).
3. a. Write notes with diagram on the Client/Server Model. (10)
b. Describe: Vector logical clocks. (10)
4. a. Write notes on: (i) Semaphore (ii) Monitor (10)
b. Draw the taxonomy of Synchronization and Communication mechanisms. (10)
5. a. Write 5 valid points on each: (i) Pipes (ii) Sockets (10)
b. Write notes on Secure Sockets. (10)
6. Briefly explain the various steps in Distributed Process implementation. (20)
7. Write precisely about Distributed Computer Security. (20)