

2008 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY M.C.A

CODE NO:R6-47MCA

M.C.A IV SEMESTER REGULAR EXAMINATIONS, APR/MAY 2008.

DISTRIBUTED OPERATING SYSTEMS

Time : 3 hour

Mark : 60

Answer any FIVE questions

All questions carry equal marks

1. *Compare and contrast the multiprocessor and the multi computer systems.*
2. *With a neat sketch of the architectural diagram, explain the ISO OSI Model.*
3. a) *What approach is best suited for distributed environment for handling dead-locks?*
b) *What is the phantom deadlock? How to eliminate a phantom deadlock?*
4. *Write about the various models for processor allocation.*
5. *Explain the different ways of dealing with the files in DFS*
6. *Explain the various bus arbitration schemes on a multiprocessor environment.*
7. *Explain about PRAM consistency and processor consistency models.*
8. *Explain the goals of MACH OS and discuss about MACH micro kernel.*