Roll No. | | | | | | | | | | | | |

Total No. of Pages : 01

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M.Tech (CSE Engg.) Big Data (Campus) (Sem.–1)

DISTRIBUTED OPERATING SYSTEM

Subject Code : CSB-208

M.Code : 51086

Time : 3 Hrs. Max. Marks : 50

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TEN marks.

Q1. Explain in detail the architectural and fundamental models of Distributed System.

Q2. What is Inter Process Communication and process synchronization? Explain various methods for IPCs.

Q3. Write a note on deadlock prevention and avoidance.

Q4. Define buffer. Discuss buffer pools. How are they created, allocated and returned?

Q5. What is distributed file system? Explain its characteristics and implementation issues.

Q6. Discuss the case study of file management in UNIX.

Q7. Differentiate between physical and logical locks. Compare process and global states.

Q8. What are various processor allocation algorithms? Explain.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.