

MCS 203 SYLLABUS

Block-1 Introduction to Operating Systems and Process Management

Unit 1 : Operating System-An Overview

Unit 2 : Processes Concept of Process System Calls for Process Management

Unit 3 : Interprocess Communication and Synchronization

Unit 4 : Deadlocks

Block-2 Memory Management, File Management and Security

Unit 1: Memory Management Overlays and Swapping

Unit 2:Virtual Memory

Unit 3: I/O and File Management

Unit 4: Security and Protection

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Block-3 Advanced Topics in Operating Systems

Unit 1: Multiprocessor Systems

Unit 2: Distributed Operating Systems

UNIT 3: Mobile Operating Systems

Block-4 Case Studies

Unit 1: Case Study 1 – Windows 10

Unit 2: Case Study 2 - LINUX

Unit 3: Case Study 3 – ANDROID

Unit 4: Case Study 4 – iOS

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