Operating System

[handwritten notes at top:]

$$\frac{\text{total data transfer}}{\text{total time taken to service request}} = \text{Disk B.W}$$

→ An OS is a program that controls the execution of application programs and acts as interface b/w the user of a computer & the computer hardware

Hardware → Mon, CPU, ALU, I/O device
System prog → Compiler, loader, Text Editor etc

Contents

PART ONE ■ OVERVIEW

Chapter 1 Introduction $[1.1 \text{ to } 1.4]$

Chapter 2 System Structures $[2.1 \text{ to } 2.6]$

PART TWO ■ PROCESS MANAGEMENT

Chapter 3 Process Concept $[3.1 \text{ to } 3.4]$

Mid Sem

Chapter 9   Virtual-Memory Management [9.1 to 9.6]

PART FIVE ■ STORAGE MANAGEMENT

Chapter 10   File System   Slide → slideshare

Chapter 11   Implementing File Systems

Chapter 12   Secondary-Storage Structure [12-1 to 12-3] → just read 12-4 → important

Chapter 13   I/O Systems

Computer Networks

Chapter 1 → full Reading

Chapter 2 → 2.1, 2.2, 2.5 → Just Read
2.3, 2.4 → Important

Chapter 3 → Bit rate, Bit length,
Attenuation, Distortion, Noise
, Nyquist Bit rate, Bandwidth,
Throughput, latency, Jitter

Chapter 4 → Reading upar-upar se
dekhlo

Chapter 5 → Just definitions dekhlo

Chapter 6 → Easy hai → complete 6.1 & 6.2

Chapter 7 → Easy Theory → 7.1 & 7.2

Chapter 8 → Small one → 8.1 - 8.3

Chapter 10 → Full

Chapter 11 → Important → full

Chapter 12 → Just watch videos on Easy Engineering Classes (Youtube)

Chapter 14 → Bluetooth

Chapter 16 → Normal read maarlo bs

Chapter 18 → 18·1 & 18·2 ✓ sirf read

Chapter 19 → (2p) → full

Chapter 21 → 21·1 & 21·3

Chapter 22 → 22·3 & 22·4

Chapter 23 → 23·1 to 23·3

Chapter 24 → 24·1 to 24·3, 24·6

Chapter 25 → DNS (25.2)

Chapter 26 → EMAIL

Chapter 30 → Slideshare pe search
, 31   Krlena, badia notes
              miljaenge

Chapter 32 → 32.1, 32.4

DBMS

Chapter 1 → Introduction

{ bs upon upar se dekhlo, Jyada
  focus nhi karna ¡bs idea lena h }

Chapter 2 → Full

Chapter 3 → Full

Chapter 4 → (4·1 - 4·5)

Chapter 5,6 → No need

Chapter 7 → just xe how to convert Database
           ⟹ from Relational to ER model
           ⟹ vice versa

Chapter 8 → Full (Normal forms bhot important)

Chapter 9 → ✗ No Need

Chapter 10 → Nazar maarlo thori si (Optional)

Chapter 11 → Full (Very important)

Chapter 12 → 12·1 to 12·5 (Normally padhlo bs)

Chapter 13 → ✗ No need

Chapter 14,15 → Important Full

Chapter 16 → 16·1 to 16·6