UNIT I  INTRODUCTION

UNIT II  TCP

UNIT III  IP IMPLEMENTATION
IP global software organization—routing table—routing algorithms—fragmentation and reassembly—error processing (ICMP)—Multicast Processing (IGMP).

UNIT IV  TCP IMPLEMENTATION I
Data structure and input processing—transmission control blocks—segment format—comparison—finite state machine implementation—Output processing—mutual exclusion—computing the TCP data length.

UNIT V  TCP IMPLEMENTATION II
Timers—events and messages—timer process—deleting and inserting timer event—flow control and adaptive retransmission—congestion avoidance and control—urgent data processing and push function.

TOTAL = 45

TEXT BOOKS:

REFERENCES: