Computer Networking Past Paper

Network and Architecture

Switching

- y2016p5q6 (a)
  - Packet switching and Circuit switching

Physical Layer

- y2014p5q5 (b)
  - Queueing

Data Link Layer

- y2013p5q4 (b)
  - CSMA/CD, CSMA/CA

Switches

- y2021p5q4

  - Topology, Forwarding table, Troubleshooting

- y2023p5q3 (a)(i,ii)

  - Spanning Tree

Network Layer

- y2023p5q3 (b)
  - IP Troubleshooting

Transport Layer

Router

- y2023p5q3 (a)(iii,iv)
  - Link-state vs Distance Vector protocol

Reliable Data Transfer

- y2011p5q5
  - FSM

UDP(QUIC), TCP

- y2019p5q4

- - TCP, ARQ; QUIC
- y2022p5q2

    - TCP; QUIC

- y2022p5q3 (a,b), y2009p5q7 (a)

    - Flow-control and Congestion-control

- y2016p5q6 (b)

    - TCP retransmission time-out

Application Layer

- y2014p5q5 (a)

    - DNS

- y2013p5q5

    - Cache, CDN

- y2022p5q3 (c,d)

    - Cache