

Study Guide for CCNA1 Chapter 10 Exam:

10.1.1 – Know the layers of the OSI & TCP/IP models

10.1.1 – Know what occurs at the various layers of the OSI & TCP/IP layers

10.1.1 – Know the protocols/applications that operate at the various layers of the OSI and TCP/IP models

10.1.2 – Be able to describe the characteristics of P2P networks.

10.1.2 – Be able to describe the characteristics of client/server networks.

10.1.2 – Be able to compare and contrast P2P networks vs P2P applications.

10.2.1 – Understand and be able to describe the three different email protocols

10.2.1 – Be able to describe in detail how SMTP works under various scenarios

10.2.1 - Be able to describe in detail how HTTP works under various scenarios

10.2.1 – Identify secure versions of common application layer protocols.

10.2.2 – Be able to use commands to troubleshoot DNS issues.

10.2.2 – Know the various DNS record types and how to identify them.

10.2.2 - Be able to describe in detail how DHCP works under various scenarios

10.2.2 - Be able to describe in detail how DNS works under various scenarios

10.2.2 – Understand the difference between authoritative vs non-authoritative DNS records.

10.2.2 – Be able to describe the DHCP initialization process in detail and know what occurs at each step.

10.2.3 – Be able to describe in detail a “daemon.”

10.2.3 – Be able to describe in detail SMB.

10.2.3 – Compare and contrast FTP and SMB

10.3.1 – Be able to troubleshoot FTP communication problem.