COMPTIA A+ CORE 1 (220-1001) EXAM CERT PREP 5: DISPLAY TECHNOLOGIES

OBJECTIVE MAPPING*

EPISODE 1: MONITOR TECHNOLOGIES

CORE 1 EXAM OBJECTIVES

DOMAIN 3.0 - HARDWARE

3.6 Explain the purposes and uses of various peripheral types

- Monitors

EPISODE 2: LCD BREAKDOWN

CORE 1 EXAM OBJECTIVES

DOMAIN 3.0 - HARDWARE

3.6 Explain the purposes and uses of various peripheral types

- Monitors

EPISODE 3: GRAPHICS CARDS AND CONNECTIONS, PART 1

CORE 1 EXAM OBJECTIVES

DOMAIN 3.0 - HARDWARE

3.1 Explain basic cable types, features, and their purposes

- Video cables
    - VGA
    - HDMI
    - Mini-HDMI
    - DisplayPort
    - DVI
    - DVI-DDVI-I

3.5 Given a scenario, install and configure motherboards, CPUs, and add-on cards

- CPU features
    - Integrated GPU
- Expansion cards
    - Video cards
        - Onboard
        - Add-on card

DOMAIN 4.0 - VIRTUALIZATION AND CLOUD COMPUTING

4.6 Explain the processes for addressing prohibited content/activity, and privacy, licensing, and policy concepts

- Licensing/DRM/EULA

EPISODE 4: GRAPHICS CARDS AND CONNECTIONS, PART 2

DOMAIN 3.0 - HARDWARE

3.1 Explain basic cable types, features, and their purposes
- Video cables
    - VGA
    - HDMI
    - Mini-HDMI
    - DisplayPort
    - DVI
    - DVI-DDVI-I

3.5 Given a scenario, install and configure motherboards, CPUs, and add-on cards

- CPU features
    - Integrated GPU
- Expansion cards
    - Video cards
        - Onboard
        - Add-on card

DOMAIN 4.0 - VIRTUALIZATION AND CLOUD COMPUTING

4.6 Explain the processes for addressing prohibited content/activity, and privacy, licensing, and policy concepts
- Licensing/DRM/EULA

EPISODE 5: RESOLUTIONS AND ASPECT RATIOS

CORE 2 EXAM OBJECTIVES**

DOMAIN 1.0 - OPERATING SYSTEMS

1.6 Given a scenario, use Microsoft Windows Control Panel utilities
- Display/Display Settings
    - Resolution
    - Color depth
    - Refresh rate

EPISODE 6: INSTALLING A GRAPHICS CARD

CORE 1 EXAM OBJECTIVES

DOMAIN 3.0 - HARDWARE

3.5 Given a scenario, install and configure motherboards, CPUs, and add-on cards
- Expansion cards
    - Video cards
        - Onboard
        - Add-on card

EPISODE 7: MULTIPLE MONITORS

CORE 1 EXAM OBJECTIVES

DOMAIN

1.6 Given a scenario, use Microsoft Windows Control Panel utilities
- Display/Display Settings

EPISODE 8: PROJECTORS

DOMAIN

3.6 Explain the purposes and uses of various peripheral types
- Projector
  - Lumens/brightness

EPISODE 9: TROUBLESHOOTING MONITORS

DOMAIN 5.0 - HARDWARE AND NETWORK TROUBLESHOOTING

5.4 Given a scenario, troubleshoot video, projector, and display issues
- Common symptoms
  - VGA mode
  - No image on screen
  - Overheat shutdown
  - Dead pixels
  - Artifacts
  - Incorrect color patterns
  - Dim image
  - Flickering image
  - Distorted image
  - Distorted geometry
  - Burn-in
  - Oversized images and icons

*This document can be used to determine what CompTIA A+ exam objectives are in each episode, as well as map where those objectives are in the official "CompTIA A+ 220-1001 Exam Objectives (2.0)" PDF resource that accompanies this course.

**Why am I seeing different Core exams than what I'm studying? In some cases, you may be watching a video series that focuses on the Core 1 exam, however some of the episodes contain Core 2 exam objectives, or vice versa. There are 2 reasons for this: 1) The other Core exam topic is covered to give you a better, fuller understanding of the surrounding topics, and 2) Some episodes contain information from both Core exams because the topics coincide with each other and are more easily taught in 1 episode than breaking them out into separate episodes.