Lesson 7: Maintaining, Updating and Protecting Windows 10

Multiple Choice

1. Which of the following provides hotfixes and service packs for Windows computers?

a) Device Manager

b) Windows Update

c) Task Scheduler

d) Action Center

Answer: b

Difficulty: Medium

Section Reference: Configuring and Managing Updates

Explanation: Keeping a Windows system patched and updated is vitally important to maintaining proper security. Microsoft provides regularly scheduled updates in the form of hotfixes and service packs via the Windows Update feature, along with critical updates as they come up.

2. Which of the following moves sectors of data on the hard disk, thus improving your computer’s performance?

a) Task Scheduler

b) Registry Editor

c) Disk Defragmenter

d) Disk Cleanup

Answer: c

Difficulty: Easy

Section Reference: Using Disk Defragmenter

Explanation: Disk Defragmenter is a utility that helps improve your computer’s performance by moving sectors of data on the hard disk, so that files are stored sequentially. This minimizes the movement a hard disk’s arm must make to read all of the sectors that make up a file or program.

3. Which program is used to make changes to the registry and back it up?

a) MSCONFIG

b) cmd.exe

c) regedit.exe

d) mseinstall.exe

Answer: c

Difficulty: Medium

Section Reference: Maintaining the Windows Registry

Explanation: The Registry Editor utility (regedit.exe) is used make changes to the registry and back it up.

4. Which utility scans your computer for dangerous malware and attempts to remove it immediately?

a) Microsoft Windows Malicious Software Removal Tool

b) Microsoft Windows Scanner Tool

c) Windows Defender

d) Windows Firewall

Answer: a

Difficulty: Medium

Section Reference: Using the Malicious Software Removal Tool

Explanation: The Microsoft Windows Malicious Software Removal Tool scans your computer for dangerous malware and attempts to remove it immediately.

5. Which of the following is a collection of updates from Microsoft since the last version of Windows or another Microsoft product was released?

a) Action Center

b) Patch

c) Hotfix

d) Service pack

Answer: d

Difficulty: Easy

Section Reference: Configuring and Managing Updates

Explanation: A Windows service pack is a collection of updates and hotfixes since the product was released. The product might be the operating system or Microsoft software.

6. Which of the following is *not* true of Disk Defragmenter?

a) It moves sectors of data on a hard disk, so that files are stored sequentially.

b) Disk Defragmenter first analyzes your hard disk to determine the level of fragmentation, and then it defragments the disk if necessary.

c) Solid state drives (SSDs) must be defragmented but in a different way than hard disks.

d) In Windows 10, Disk Defragmenter is scheduled to run once a week by default.

Answer: c

Difficulty: Medium

Section Reference: Using Disk Defragmenter

Explanation: An SSD uses solid state memory to store data rather than writing data to sectors. Therefore, an SSD does not need to be defragmented.

7. Which of the following provides a single interface in which you can view the status of security and maintenance features?

a) Windows Firewall

b) Action Center

c) Windows Defender

d) Windows Update

Answer: b

Difficulty: Medium

Section Reference: Using Action Center

Explanation: Action Center provides a single interface in which you can view the status of security and maintenance features.

8. What Task Scheduler command creates a task using a wizard?

a) Create Task

b) Create Basic Task

c) Create Scheduled Task

d) Create Task Automatically

Answer: b

Difficulty: Medium

Section Reference: Using Task Scheduler

Explanation: The Actions pane of Task Scheduler includes two commands for creating tasks. The Create Basic Task command starts the Create Basic Task Wizard, which walks you through the essentials of creating a task. The Create Task command displays the Create Task dialog box, which is the manual way of creating task but gives you more control and options.

9. Which of the following enables you to schedule and automate a variety of actions, such as starting programs, displaying messages, and even sending emails?

a) Disk Defragmenter

b) Windows Update

c) Windows Defender

d) Task Scheduler

Answer: d

Difficulty: Hard

Section Reference: Using Task Scheduler

Explanation: Task Scheduler enables you to schedule and automate a variety of actions, such as starting programs, displaying messages, and even sending emails.

10. Which of the following is a utility that helps improve your computer’s performance by moving sectors of data on the hard disk, so that files are stored sequentially.

a) Disk Defragmenter

b) Windows Update

c) Windows Defender

d) Task Scheduler

Answer: a

Difficulty: Medium

Section Reference: Using Disk Defragmenter

Explanation: Disk defragmenter is a utility that helps improve your computer’s performance by moving sectors of data on the hard disk, so that files are stored sequentially.

11. Which program is always updated on Patch Tuesday?

a) Malicious Software Removal Tool

b) Microsoft Security Essentials

c) Windows Firewall

d) Windows Defender

Answer: a

Difficulty: Medium

Section Reference: Using the Malicious Software Removal Tool

Explanation: Microsoft releases an updated version of the Malicious Software Removal Tool on Patch Tuesday each month, or more often if security threats are detected before the next Patch Tuesday updates.

12. Your computer is infected with MyDoom. Which tool should you use to remove it?

a) Malicious Windows Software Removal Tool

b) Task Scheduler

c) Windows Firewall

d) Windows Defender

Answer: a

Difficulty: Medium

Section Reference: Using the Malicious Software Removal Tool

Explanation: Computers can become infected even with the best protection software running in the background. If you know your computer is infected with malware, such as Blaster, Mydoom, EyeStyle, or Poison, download and run the Microsoft Windows Malicious Software Removal Tool. This utility scans your computer for dangerous malware and attempts to remove it immediately.

13. By default, Disk Defragmenter runs on what schedule?

a) Once a month

b) Biweekly

c) Once a week

d) Every day

Answer: c

Difficulty: Easy

Section Reference: Understanding Disk Defragmenter

Explanation: In Windows 7, Disk Defragmenter is scheduled to run once a week by default.

14. Which of the following is a self-replicating program that replicates itself to other computers over the network without any user intervention?

a) spyware

b) worm

c) Trojan horse

d) virus

Answer: b

Difficulty: Medium

Section Reference: Defending Your System from Malicious Software

Explanation: A worm is a self-replicating program that replicates itself to other computers over the network without any user intervention.

15. Which of the following lets a user easily delete unnecessary files from a computer?

a) Task Scheduler

b) Registry Editor

c) Disk Defragmenter

d) Disk Cleanup

Answer: d

Difficulty: Easy

Section Reference: Using Disk Cleanup

Explanation: Disk Cleanup helps you remove unnecessary files from your computer, such as downloaded program files, temporary internet files and those that are left after running software, and much more.

**Fill in the Blank**

1. The \_\_\_\_\_\_\_\_\_ is a database in Windows that stores user preferences, file locations, program configuration settings, startup information, hardware settings, and more.

Answer: Windows registry

Difficulty: Medium

Section Reference: Maintaining the Windows Registry

Explanation: The Windows registry is a database in Windows that stores user preferences, file locations, program configuration settings, startup information, hardware settings, and more. In addition, the registry stores the associations between file types and the applications that use them.

2. In Task Scheduler, a(n) \_\_\_\_\_\_\_ is an event that causes a task to run.

Answer: trigger

Difficulty: Hard

Section Reference: Using Task Scheduler

Explanation: Task Scheduler enables you to schedule and automate a variety of actions, such starting programs, displaying messages, and even sending e-mails. You create a scheduled task by specifying a trigger, which is an event that causes a task to run, and an action, which is the action taken when the task runs.

**Short Answer**

1. What is the difference between a security update and a critical update?

Answer: A security update is a broadly released fix for a product-specific, security-related vulnerability. A critical update is a broadly released fix for a specific problem addressing a critical, non-security-related bug.

Difficulty: Hard

Section Reference: Configuring and Managing Updates

Explanation: A security update is a broadly released fix for a product-specific, security-related vulnerability. A critical update is a broadly released fix for a specific problem addressing a critical, non-security-related bug.

2. What is an out-of-band patch?

Answer: An out-of-band patch is one that is released outside the Patch Tuesday schedule, when the patches are deemed critical or time-sensitive.

Difficulty: Medium

Section Reference: Configuring and Managing Updates

Explanation: An out-of-band patch is one that is released outside the Patch Tuesday schedule, when the patches are deemed critical or time-sensitive.

3. What is a firewall?

Answer: A firewall is a software program or device that monitors traffic entering and leaving a computer.

Difficulty: Easy

Section Reference: Understanding Windows Firewall

Explanation: A firewall is a software program or device that monitors traffic entering and leaving a computer.