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**HW7**

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**CTEC402**

# Chapter 7

**Part1: Grade (5 points): Thinking Critically**

These questions are designed to prepare you for the critical thinking required for the A+ exams and may use content from other chapters and the web.

1. Your organization has set up three levels of classification for data accessed by users on a small network:
   * Low security: Data in the C:\Public folder
   * Medium security: Data in a shared folder that some, but not all, user groups can access
   * High security: Data in a shared and encrypted folder that requires a password to access. The folder is shared only to one user group.

Classify each of the following sets of data:

1. Directions to the company’s Fourth of July party
2. Details of an invention made by the company president that has not yet been patented
3. Resumes presented by several people applying for a job with the company
4. Payroll spreadsheets
5. Job openings at the company

Answers: a. Directions to the company’s Fourth of July party: **Low security**

b. Details of an invention made by the company president that has not yet been patented: **High security**

c. Resumes presented by several people applying for a job with the company: **Medium securit**y

d. Payroll spreadsheets: **High security**

e. Job openings at the company: **Low security**

1. You work in the Accounting department and have been using a network drive to post Excel workbook files to your file server as you complete them. When you attempt to save a workbook file to the drive, you see the error message: “You do not have access to the folder ‘J:\’. See your administrator for

access to this folder.” What should you do first? Second? Explain the reasoning behind your choices.

1. Ask your network administrator to give you permission to access the folder.
2. Check File Explorer to verify that you can connect to the network.
3. Save the workbook file to your hard drive.
4. Using File Explorer, remap the network drive.
5. Reboot your PC.

Answers: First: Check File Explorer to verify that you can connect to the network. (Option B)

Second: Using File Explorer, remap the network drive. (Option D)

Explanation: This sequence checks your connection and then attempts to restore access by remapping the drive.

1. Which type of server can function as a firewall?
2. Mail server
3. Proxy server
4. Print server
5. FTP server Answer: B.
6. What is the command to launch each of the following tools?
7. Local Group Policy
8. Local Security Policy
9. Computer Management console
10. Local Users and Groups console
11. Resultant Set of Policy (RSoP)

Answers: Local Group Policy: gpedit.msc

Local Security Policy: secpol.msc

Computer Management Console: compmgmt.msc

Local Users and Groups Console: lusrmgr.msc

Resultant Set of Policy (RSoP): rsop.msc

1. What hardware component is needed to set up BitLocker Encryption so that you can authenticate the computer?

Answer: Trusted Platform Module (TPM) – This is used to securely store BitLocker encryption keys.

1. Where in Group Policy can you locate the policy that requires a smart card to be used to authenticate a user to Windows?
2. Computer Configuration, Windows Settings, Security Settings, Local Policies, Biometrics
3. Computer Configuration, Administrative Templates, System, Logon
4. Computer Configuration, Windows Settings, Security Settings, Local Policies, Security Options
5. User Configuration, Administrative Templates, System, Logon Answer: C.
6. You open a folder Properties box to encrypt the folder, click Advanced, and discover that *Encrypt contents to secure data* is dimmed. What is the most likely problem?
7. Encryption has not been enabled. Use the Computer Management console to enable it.
8. You are not using an edition of Windows that supports encryption.
9. Most likely a virus has attacked the system and is disabling encryption.
10. Encryption applies only to files, not folders. Answer: B.
11. You have shared a folder, C:\DenverCO, with your team. The folder contains information about your company branch in Denver, Colorado. Your company decides to reorganize into zones, so you move the folder as a subfolder in the folder G:\Zone3. When your team members try to access G:\Zone3\DenverCO, they get an error message saying they have been denied access. What happened to the permissions when you moved the folder to its new location?

Answer: What command do you enter in the Explorer search box to access the Remote Admin share on the computer named Fin?

Answer: When you move a folder to a different drive, permissions are typically reset, requiring reconfiguration.

Remote Admin Share Command: \\Fin\admin$

1. In your organization, each department has a folder on a shared drive. Your boss frequently copies the folder to his local computer to run reports. You have noticed that the folder for your department keeps disappearing from the shared drive. You discover that the folder isn’t being deleted and often gets moved into a random, nearby folder. You suspect that coworkers in other departments are being careless with their mouse clicks while accessing their own folders on the shared drive and are dragging and dropping your department folder into other folders without noticing. How can you prevent this folder from being moved, but still allow it to be copied? What steps do you take?

Answer: Set “Read” permissions on the folder to prevent it from being moved while allowing it to be copied.

1. If you are having a problem changing the permissions of a folder that was created by another user, what can you do to help solve the problem?

Answer: Request ownership of the folder or consult an administrator to grant permission modifications.

1. When setting up OUs in a new domain, why might it be useful to put all computers in one OU and all users in another?
2. It will be easier to inventory computers in the domain.
3. It will help organize users into user groups.
4. An OU must contain either users or computers, but not both.
5. Policies generally apply to either computers or users. Answer: D.
6. You have set up a user group named Accounting and have put all employees in the Accounting department in this group, which has been given permission to use the Financial folder on a file server. You are now asked to create a subfolder under Financial named Payroll. Megan, the payroll officer, is the only employee in the Accounting department allowed to access this folder. What is the best way to configure the new share?
7. Assign Megan read/write permissions to the Payroll folder, and explain to your boss that it is not a best practice to give only one employee access to an important folder.
8. Assign Megan read/write permissions to the Payroll folder.
9. Create a new user group named Payroll, put Megan in the group, and assign the group read/write permissions to the Payroll folder.
10. Ask your boss to allow you to put the folder outside of the Financial folder so you can assign a new user group read/write permissions to this folder that will not conflict with the Accounting user group.

Answer: C.

1. Which of the following is true about NTFS permissions and share permissions? Select all that apply.
2. Share permissions do not work on an NTFS volume.
3. NTFS permissions work only on an NTFS volume.
4. If share permissions and NTFS permissions are in conflict, NTFS permissions win.
5. If you set NTFS permissions but do not set share permissions, NTFS permissions apply. Answer: B, C, and D
6. Which security features are available on Windows 10 Home? Select all that apply.
7. Local Group Policy
8. NTFS permissions
9. Active Directory
10. Internet Options Answers: B and D

# Part2: Grade (10 points): All hands on project must show all steps by including screen shot from your own system

Hands-On Projects 7-1 – to 7-6

# Part3: Grade (5 points) : Remember you must show all steps

Real Problems 7-1- to - 7-3

# REQUIREMENTS

- Any assignment received after the time of the class is considered late **(NO EXCUSES)** and is graded with 0