

MICROSOFT NETWORK ADMINISTRATION (54)

Technical Task (Part 2 of 2)

State– 2008

TOTAL POINTS _____ (100)

Failure to adhere to any of the following rules will result in disqualification:

- 1. Contestant must hand in this test booklet and all printouts. Failure to do so will result in disqualification.***
- 2. No equipment, supplies, or materials other than those specified for this event are allowed in the testing area. No previous BPA tests and/or sample tests or facsimile (handwritten, photocopied, or keyed) are allowed in the testing area.***
- 3. Electronic devices will be monitored according to ACT standards.***

Complete and submit on or before FEBRUARY 15, 2008 to:

Susan Craig, Judged Events Coordinator
Huntley Project High School
1477 Ash Street, Worden, MT 59088

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Workplace Skills Assessment Program competition.

To compete in this test you must do a clean install of Microsoft Windows XP. Be sure that you are using the NTFS file system. Start with only the built-in users and groups.

FOR ALL TASKS: Throughout the event you will be asked to take "Screen Shots" of various output. They will be designated as **SS#**. These screen shots should be printed and then submitted for grading.

Task 1 Creating and Maintaining Users and Groups in Microsoft Windows XP

Create an MMC and add the Local Users and Groups snap-in to it. Save the MMC to your desktop and name it: Admin Console.

SS#1 of Admin Console.

Create 7 local users.

- For each user, uncheck the box that forces the user to change the password at the next logon.
- Fill out the fields as follows:

User Name: Kevin; Full Name: Kevin Jones; Description: Sales-Fla; Password – blank

User Name: Terry; Full Name: Terry Belle; Description: Marketing; Password – blank

User Name: Ron; Full Name: Ron Klein; Description: PR; Password – superman

User Name: Sue; Full Name: Sue Smith; Description: Sales-Texas; Password – sgirl

User Name: Emily; Full Name: Emily Buras; Description: President; Password – Peach

User Name: Sam; Full Name: Sam Jones; Description: Accounting; Password – acct

User Name: Jim; Full Name: Jim Brown; Description: Clerk; Password - browns

SS#2 of Admin Console...Users node - opened to show new users

Disable Sue Smith's account

Delete Terry Belle's account

SS#3 of Admin Console...Users node - opened to show results

Create a Local Group named: Managers
Description for this group: Top Managers

Add Kevin and Emily to the Managers Group

SS#4 of Managers – Properties - showing members

Rename the Managers Group to a Local Group named Sales

SS#5 of Sales - Properties

Create a Local Group named Acct
Description for this group: Accounts

Add Sam and Jim as members of the Acct group

SS#6 of Acct - Properties

Task 2 - Local Group Policy using Microsoft Windows XP

Add the Local Computer Policy as a snap-in to your Admin Console MMC.

SS#7 of Admin Console - showing snap-ins

In the Local Computer Policy, set the following Password Policies:

- Specify that 5 passwords will be remembered
- Specify that the password expires in 60 days
- Specify that the minimum password age is 1 day
- Specify that the minimum password length is 9 characters

SS#8 of Admin Console...Password Policy - showing new settings

In the Local Computer Policy, set the following Account Lockout Policies

- Specify that the account will lock after 4 invalid logon attempts
- Specify that the account will remain locked for 5 minutes
- Specify that the account lockout counter will be reset after 5 minutes

SS#9 of Admin Console...Account Lockout Policy - showing new settings

Task 3 Accessing Files and Folders using Microsoft Windows XP

Using Windows Explorer, create a new folder named BPADData in My Documents.

Within BPADData, create a file named BPATest.txt

Open the BPATest.txt file and use Notepad (or Wordpad) and type:
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Save

Configure these NTFS permissions for the Acct group for the BPADData Folder:

Allow Write

Deny List Folder Contents

SS#10 of BPADData - Properties - showing that Acct is allowed to Write and denied List Folder Contents

Configure these NTFS permissions for the Sales group for the BPA Data Folder:
(Remove any default permissions first.)

Allow Read

Deny Write

SS#11 of BPADData Properties - showing that Sales is allowed to Read and denied Write

Task 4 Creating and Managing Share Folders using Microsoft Windows XP

Using Windows Explorer, create a folder named BPAShare in My Documents.

Do not use simple file sharing to do the following:

For the BPAShare

- Select the setting to share this folder
- Comment: This is the BPA Shared Folder
- Allow 5 users

SS#12 of BPAShare – Properties – showing share settings

SS#13 of My Documents - showing BPAShare to prove that the folder is shared

Configure these Share Permissions for the Acct group:
Allow Full Control

SS#14 of BPAShare – showing Share Permissions for Acct group

Configure these Share Permissions for the Sales group:
Deny Read

SS#15 of BPAShare – showing Share Permissions for Sales group

Task 5 Optimizing Microsoft Windows XP

Open the following tools:
- System Monitor
- Performance Logs and Alerts (Expand it.)

SS#16 of System Monitor and expanded Performance Logs and Alerts

In System Monitor add the following Counters:
- Processor - Interrupts/Sec
- TCP - Segments/Sec

SS#17 of System Monitor – showing additional counters at the bottom of the graph

Set up an Alert. Name the Alert: BPATestAlert

SS#18 of New Alert Settings (before clicking OK)

On the General Tab - Fill in this comment: This is the BPA Test Alert

Add the following counters:

Physical Disk - % Disk Time

Have the alert give notice when the counter is over 90

SS#19 of General Tab of BPATestAlert

Physical Disk - Current Disk Queue Length

Have the alert give notice when the counter is over 3

SS#20 of General Tab of BPA Test Alert

On the Action Tab - Check the following 2 boxes:

Log an entry in the application event log

Send a network message to - type: System Manager

SS#21 of Action Tab of BPATestAlert

On the Schedule Tab –

Start scan: at 2:00:00 pm on February 1, 2008

Stop scan: Manually (using the shortcut menu)

SS#22 of Schedule Tab of BPATestAlert