**TPG527C - MEMORANDUM**

# Question 1 [30]

1.1 Control panel / File Explorer options

View

Under Hidden files and folders, check the appropriate radio button.

Click OK. (3)

1.2 Windows key

Defragment and Optimise drives

Change settings

Frequency: Weekly

Click OK

1.3 Control panel / Security and Maintenance

Change User Account Control Settings

Move slider to the top notch

OK

1.4 Control panel / Region

Additional settings

Currency

Currency symbol

1.5 Settings / Accounts (or Control panel, User accounts, Add a new user in PC settings)

Win 10: Family and other users, Add someone else to this PC (Win11: Other users, Add account)

I don't have this person's sign-in information

Add a user without a Microsoft account

Enter user name and password (2x), In case you forget fields

Next

1.6 Control Panel / Power Options

Choose when to turn off the display

Select time

OK

1.7 Control Panel / System

Windows specifications

1.8 Run msinfo32 or from Start, type System information

or from Start, type: Windows Tools, System Information (Win 11 only)

1.9 Services

Print Spooler

Check the status

Double click, Start the service and ensure startup type is Automatic

1.10 gpedit

User configuration / Administrative templates / System

Double-click on "Prevent access to registry editing tools"

Check Enabled

OK

# Question 2 [19]

2.1 $psversiontable

5.1.22000.2003 (or something like this)

2.2 get-help get-service -online

2.3 start-process explorer -confirm

2.4 get-date -format "dd MMMM yyyy HH:mm:ss"

2.5 get-service w32Time

If running: start-service w32Time If stopped: stop-service w32Time

2.6 get-computerinfo | get-member get-computerinfo | select-object csmanufacturer, csmodel



2.7 (get-command `

-type function `

| where-object {$\_.Source -notlike "Microsoft\*"} `

).Count 925 (v 5.1) or 958 (v 7.3.5) or something in that order - depends on the version.

# Question 3

3.1 Text file

#Create folder

$folder = "C:\TPG527C\_Test1" $exists = Test-Path $folder if (!$exists) {

new-item -path $folder -itemtype Directory

}

#Create file

$file = "C:\TPG527C\_Test1\Q3\_1.txt" $exists = Test-Path $file if (!$exists) {

new-item -path $file -ItemType File

} else

{

Clear-Content $file

}

#Add content

$txt = Read-Host "Text to enter into file"

Add-Content $file $txt

#Clear console

Clear-Host

#Read file and display content

$content = Get-Content $file

Write-Host "File content" #Header

Write-Host $content

3.2 Numbers

#Read file

$file = "Z:\2023\Test 1\Numbers.txt"

[string] $sNumbers = Get-Content $file

#Extract numbers array

[int[]] $Numbers = $sNumbers.Split(',')

#Aggregate and display numbers

$sum = 0 $n = 0

foreach ($number in $Numbers | sort-object)

{

$n++

$sum += $number

Write-Host ($number.ToString() + "; ") -NoNewline

}

#Display statistics

Write-Host "`nn:" $n

Write-Host "Sum" $sum

#Calc average if n > 0 if ($n -gt 0)

{

$avg = $sum / $n

Write-Host "Avg:" $avg.ToString("n2") }

# Question 4

function ToWords

{

param([string] $sentence)

return $sentence.Replace('.', '').Replace(',','').Split(' ') } #ToWords function ReverseLettersInWord

{ param([string] $word) $private:reversed = '' foreach ($ch in [char[]]$word)

{

$reversed = $ch + $reversed

} return $reversed } #ReverseLettersInWord

function ReverseLettersInWords

{

param([string[]] $words)

for ([int] $i = 0; $i -lt $words.Count; $i++)

{

$words[$i] = ReverseLettersInWord $words[$i]

}

return $words } #ReverseLettersInWords