

 **INTI** International  
University & Colleges

**FINAL**  
Examination Paper

(COVER PAGE)

Session : APRIL 2018

Programme : Diploma In Information And Communication Technology (DICTN)  
Diploma In Information Technology (DITN)

Course : ICT2109: Server Management

Date of Examination : 01 August, 2018 (Wednesday)

Time : 11:00am – 1:00pm Reading Time : Nil

Duration : 2 Hours

**Special Instructions :**

SECTION A: Answer ALL multiple choice questions.

SECTION B: Answer any THREE (3) essay questions.

Materials permitted : Nil

Materials provided : Nil

Examiner(s) : Paul Chin

Moderator : Dr Liew Chee Sun

*This paper consists of 8 printed pages, including the cover page*

DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY PROGRAM (DICTN)  
DIPLOMA IN INFORMATION TECHNOLOGY PROGRAM (DITN)  
ICT2109: SERVER MANAGEMENT  
FINAL EXAMINATION: APRIL 2018 SESSION

**Instruction:** This paper consists of **TWO (2) SECTIONS**. Answer **ALL** questions in **SECTION A** and any **THREE (3)** questions in **SECTION B**.

**SECTION A:** Answer **ALL** questions in the OMR sheet provided. **(40 marks)**

1. Which of the following migration paths is not supported by the Windows Server Migration Tools?
  - A. Migrating between x86 and x64 architectures
  - B. Migrating between source and destination servers that have different system UI languages
  - C. Migrating between physical machines and virtual machines
  - D. Cross-subnet migrations
  
2. Which tool can help you ensure that new hardware you purchase will work properly with Windows Server 2012?
  - A. The msinfo32.exe utility
  - B. The Get-WindowsFeature cmdlet
  - C. The Application Compatibility Toolkit
  - D. The Windows Server Catalog
  
3. Which installation option of Windows Server 2012 potentially can have the smallest disk footprint?
  - A. Server With A GUI
  - B. Server Core
  - C. Minimal Server Interface
  - D. Full

4. What action will the following Windows PowerShell command perform?
- Uninstall-WindowsFeature Server-Gui-Mgmt-Infra -Restart*
- A. It converts a Server Core installation to a Server With A GUI installation.
  - B. It converts a Server With A GUI installation to a Server Core installation.
  - C. It converts a Server Core installation to a Minimal Server Interface installation.
  - D. It converts a Server With A GUI installation to a Minimal Server Interface installation.
5. How is it possible to manage Windows Server 2012 using Windows 10?
- A. It is not possible to manage Windows Server 2012 using Windows 10
  - B. You can use Windows 10 to ssh to Windows Server 2012.
  - C. You can use Windows 10 to telnet to Windows Server 2012.
  - D. You can install RSAT in Windows 10 and use Server Manager to connect to Windows Server 2012.
6. Your organization has six servers running Windows Server 2012 in a domain environment. Only four of those servers are listed on the All Servers page of Server Manager. What should you do to ensure the remaining two servers are also listed on this page?
- A. Create a server group, and add the two servers to the group.
  - B. Create a server pool, and add the two servers to the group.
  - C. Add the servers to an existing server group.
  - D. Add the servers to your server pool.
7. Which of the following service management tasks can you *not* perform on remote servers using a Services tile on one of the Server Manager pages?
- A. Stopping a service
  - B. Pausing a service
  - C. Starting a service
  - D. Changing the Startup Type option of the service
8. Which Windows PowerShell cmdlet can New-ADUser be combined with to bulk-create new user accounts?
- A. Get-ADUser
  - B. Import-Csv
  - C. Set-ADAccountPassword
  - D. Where-Object

9. Which approach to ensuring DHCP availability involves dividing up the IP address pool of a scope between two DHCP servers, typically using the ratio 80/20?

- A. Server cluster
- B. Split scope
- C. Standby server
- D. DHCP failover

10. What action does the following command perform?

*Set-DhcpServerv4OptionValue -Router 10.10.0.1 -ScopeId 10.10.20.0*

- A. Configures a DHCP server option that assigns the address 10.10.0.1 as the default gateway on any DHCP client whose IPv4 address is on the 10.10.20.0 subnet
- B. Configures a DHCP scope option that assigns the address 10.10.0.1 as the default gateway on any DHCP client whose IPv4 address is on the 10.10.20.0 subnet
- C. Configures a DHCP server option that assigns the address 10.10.0.1 to a router on the 10.10.20.0 subnet
- D. Configures a DHCP scope option that assigns the address 10.10.0.1 to a router on the 10.10.20.0 subnet

11. Which cmdlet can you use to disable a binding on a network adapter?

- A. Get-NetAdapterBinding
- B. Remove-NetAdapterBinding
- C. Disable-NetAdapterBinding
- D. Disable-NetAdapter

12. Which Windows PowerShell cmdlet can be used to display the address information for an interface?

- A. Ipconfig
- B. Get-NetAdapter
- C. Get-NetIPAddress
- D. Get-NetIPInterface

13. What is the minimum number of physical disks required for a storage pool that will be used to provision resilient volumes for a failover cluster consisting of two file servers?
- A. 1
  - B. 2
  - C. 3
  - D. 4
14. Which Windows PowerShell cmdlet allows you to determine whether any printers installed on a print server are shared?
- A. Get-Printer
  - B. Get-PrinterConfiguration
  - C. Get-PrinterProperty
  - D. Get-PrintServer
15. Which Windows PowerShell cmdlet can be used to unshare a printer that is currently shared?
- A. Set-PrintConfiguration
  - B. Set-PrinterProperty
  - C. Set-Printer
  - D. Get-Printer
16. You have created a flat OU structure for your domain that has only top-level OUs and no child OUs. Each department's desktops, laptops, and users are contained in different OUs. What is the main reason why this design is a poor choice when it comes to implementing Group Policy for your environment?
- A. Group Policy manageability will be difficult because of the large number of GPOs you will need.
  - B. Group Policy delegation will be difficult because of the large number of GPOs you will need.
  - C. Group Policy manageability will be difficult because you won't be able to make effective use of Group Policy inheritance.
  - D. Group Policy delegation will be difficult because you won't be able to make effective use of Group Policy inheritance.

17. What node should you select in the console tree of the GPMC to view the current status of SYSVOL replication as it relates to Group Policy in a domain?

- A. The root node named Group Policy Management
- B. The node named Forest: <forest\_root\_domain>
- C. The node named Domains
- D. The node named <domain\_name>

18. Which of the following *cannot* be used as a targeting item for preference item-level targeting?

- A. MAC Address Range
- B. Organizational Unit
- C. Registry Match
- D. Desktop Computer

19. You have two firewall rules configured on the computer as follows:

Rule A explicitly blocks outbound traffic from the svchost.exe process running on the computer.

Rule B explicitly allows outbound traffic from the svchost.exe process running on the computer.

In addition, the outbound default rule is set to Block.

The svchost.exe process running on the computer attempts to send a packet to another computer on the network. Which answer best describes what will happen?

- A. The packet will be allowed because rule B has a higher priority than rule A.
- B. The packet will be blocked because rule B has a higher priority than rule A.
- C. The packet will be blocked because rule A has a higher priority than rule B.
- D. The packet will be blocked because the outbound default rule is set to Block.

20. You want to create a firewall rule that blocks inbound traffic to %windir%regedit.exe on the computer. Which type of rule can you use to do this? (Choose all that apply.)

- A. Program rule
- B. Port rule
- C. Predefined rule
- D. All of the above

**SECTION B:** Answer any **THREE (3)** questions in the answer booklet provided. **(60 marks)**

**Question 1**

Answer the following questions on Server Core

- (a) Define Server Core. List and explain **THREE (3)** advantages of Server Core. (10 marks)
- (b) Minimal Server Interface is the middle ground between Server Core and full GUI installation. Why is it called the middle ground? (10 marks)

**Question 2**

- (a) List the steps to add new roles and features in Server Manager. (10 marks)
- (b) Define the following terminologies: (10 marks)
- (i) Member Server
  - (ii) Organizational Unit
  - (iii) Active Directory
  - (iv) Domain Controller
  - (v) Group Policies

**Question 3**

- (a) List two tools used to manage Group Policies. Discuss the differences between Policies and Preferences. (10 marks)
- (b) Provide the steps to setup an IIS Web server and FTP server. (10 marks)

**Question 4**

(a) What is DHCP? Explain the steps to setup DHCP service. (10 marks)

(b) What is the difference between the following, and why are they needed:

- (i) MAC Address
- (ii) IP Address
- (iii) Port Numbers

(10 marks)

**~ The End ~**  
*ICT2109(F) Apr 2018*