

FINAL
Examination Paper

(COVER PAGE)

Session : APRIL 2017

Programme : Diploma In Information And Communication Technology (DICTN)

Course : ICT2109: Server Management

Date of Examination : 30 July, 2017 (Sunday)

Time : 2:00pm – 4:00pm 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) : Vasuky Mohanan

Moderator : Dr Liew Chee Sun

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

DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY PROGRAMME (DICTN)
ICT 2109: SERVER MANAGEMENT
FINAL EXAMINATION: APRIL 2017 SESSION

Section A: (40 marks)

Instruction: This section consists of **TWENTY (20)** questions. Answer **ALL** questions in the OMR sheet provided.

1. You have decided to install Windows Server 2012 by choosing the Service Core Installation option. If you want to install, configure or uninstall server roles remotely, what tool would you use?
 - A. Windows powershell
 - B. Remote server administration tools (rsat)
 - C. Server manager
 - D. Any of the above

2. Server manager is a great tool for managing most of your server settings and configuration all in one central place. Which one of the following server manager features is used for Storage management, replication and searching?
 - A. Dynamic host configuration server
 - B. Terminal services
 - C. Domain name service
 - D. File services

3. In Windows Server 2012, you can remove the Server Graphical Shell, resulting in the "Minimal Server Interface." This is similar to a Server with a GUI installation except that the following feature is not installed.
 - A. MMC
 - B. Windows Explorer
 - C. Control Panel
 - D. Server Manager

4. Your IT manager is concerned that someone is trying to gain access to your company's computers by logging on with valid domain user names and various password attempts. Which audit policy should you monitor for these activities?
- A. Policy Change
 - B. Account Logon
 - C. Privilege Use
 - D. Directory Service Access
5. When you install Windows Server 2012, you can choose between Server Core Installation and Server with a GUI. Which option would reduce the potential attack surface and servicing requirements?
- A. Server Core Installation
 - B. Server with a GUI
 - C. Itanium based
 - D. None of the above
6. Managing Group Policy objects is a tiresome task. Which of the following Windows Server 2012 features could you use to save time when creating GPO's with similar settings?
- A. UAC
 - B. PXE boot
 - C. IFM
 - D. Starter GPO
7. Mukesh works in a company that has an AD DS forest that consists of a forest root domain plus five domains. He should create a group that contains 70 users who require access to resources in all six domains. All the user accounts are located in the forest root domain. Which of the following group scope he should use?
- A. Universal
 - B. Domain local
 - C. Local
 - D. Global
- 1/12

8. IIS in Microsoft Server 2012 stands for?
- A. Internet information services
 - B. International internet service
 - C. Inter information service
 - D. Information internet server
9. Which of the following cannot contain multiple Active Directory domains?
- A. Organizational units
 - B. Sites
 - C. Trees
 - D. Forests
10. Which of the following does an Active Directory client use to locate objects in another domain?
- A. DNS
 - B. Global Catalog
 - C. DHCP
 - D. Site Link
11. What can be used to add, delete, or modify objects in Active Directory, in addition to modifying the schema if necessary?
- A. DCPROMO
 - B. LDIFDE
 - C. CSVDE
 - D. NSLOOKUP
12. Which of the following groups do you use to consolidate groups and accounts that either span multiple domains or the entire forest?
- A. Global
 - B. Domain local
 - C. Built-in
 - D. Universal

13. Which of the following is not a correct reason for creating an Organizational Unit?
- A. To create a permanent container that cannot be moved or renamed
 - B. To duplicate the divisions in your organization
 - C. To delegate administration tasks
 - D. To assign different group policy settings to a specific group of users or computers
14. You are about to make substantial modifications to the default domain GPO. You want to ensure that you can return to the current state of the GPO if the modifications cause problems. Which of the following Windows PowerShell cmdlets should you use?
- A. Copy-GPO
 - B. Restore-GPO
 - C. Import-GPO
 - D. Backup-GPO
15. Which of the following is not a reason why you should try to create as few domains as possible when designing an Active Directory infrastructure?
- A. Creating additional domains increases the administrative burden of the installation.
 - B. Each additional domain you create increases the hardware costs of the Active Directory deployment.
 - C. Some applications might have problems working in a forest with multiple domains.
 - D. You must purchase a license from Microsoft for each domain you create.
16. Which of the following utilities do you use to perform an offline domain join?
- A. Net join
 - B. Join
 - C. Djoin
 - D. Dconnect

17. Which of the following is not a type of user account that can be configured in Windows Server 2012?
- A. Local accounts
 - B. Domain accounts
 - C. Network accounts
 - D. Built-in accounts
18. You have 200 individual GPO settings in a backed-up GPO named Melbourne-2012 that you want to include in an existing GPO named Sydney-2013. Which of the following Windows PowerShell cmdlets should you use to accomplish this goal?
- A. Backup-GPO
 - B. Import-GPO
 - C. Restore-GPO
 - D. Copy-GPO
19. Your manager has asked you to configure the company Windows Server 2012 domain controller. He wants all new computer accounts to be placed in the General OU, when computers join the domain. Which command should you use to accomplish this?
- A. Netdome
 - B. Dsmove
 - C. Redircmp
 - D. None of the above
20. Which of the following reasons justifies why you should audit failed events?
- A. To log resource access for reporting and billing
 - B. To monitor for malicious attempts to access a resource which has been denied
 - C. To monitor access that would suggest users are performing actions greater than you had planned.
 - D. None of the above

Section B: (60 marks)

Instruction: Answer any THREE out of FOUR questions. All questions carry equal marks.

Question 1

Answer the following questions on Server Core.

- (a) Define Server Core (5 marks)
- (b) List and explain advantages of Server Core (10marks)
- (c) Minimal Server Interface is the middle ground between Server Core and full GUI installation. Why is it called the middle ground? (5 marks)

Question 2

You are an administrator at Contoso, Ltd. Contoso's Active Directory was created when the organization was very small. One OU was created for users and one for computers. Now the organization spans five geographic sites around the world, with over 1,000 employees. At each site, one or two members of desktop support personnel provide help to users with desktop applications and are responsible for installing systems and joining them to the domain. In addition, a small team at headquarters occasionally installs systems, joins them to the domain, and ships them to the site. If a user has forgotten his or her password, a centralized help desk telephone number is directed to one of the support personnel members, regardless of which site the user is in. Answer the following questions for your manager, who is concerned about manageability and least privilege, and explain how delegation would be managed.

- (a) Should computer objects remain in a single OU, or should the objects be divided by site? Why? (5 marks)
- (b) If divided, should the site OUs be under a single parent OU? Explain. (5 marks)
- (c) Should the ability to manage computer objects in sites be delegated directly to the user accounts of the desktop support personnel, or should groups be created, even though those groups might have only one or two members? Should users be divided by site or remain within a single OU? (10marks)

Question 3

- (a) What is the purpose of DHCP service? (5 marks)
- (b) Explain the difference between the THREE DHCP infrastructures. Support your answer with illustrations. (15marks)

Question 4

- (a) What is the purpose of Group Policy and when is it implemented? (5 marks)
- (b) List FIVE benefits of having Group Policy. (5marks)
- (c) There are **TWO** types of loopback processing that you can configure by setting the Group Policy loopback processing mode policy. List and explain each type of loop processing. (10marks)

~ The End ~