



FINAL
Examination Paper

(COVER PAGE)

Session : AUGUST 2017

Programme : Diploma In Information And Communication Technology (DICTN)

Course : ICT2109: Server Management

Date of Examination : 15 December, 2017 (Friday)

Time : 2:00 pm – 4:00 pm 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) : Karen Wong

Moderator : Dr Liew Chee Sun

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

DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY
PROGRAMME (DICTN)
ICT2109: SERVER MANAGEMENT
FINAL EXAMINATION: AUGUST 2017 SESSION

Instruction: (40 marks)

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.

1. 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

2. 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

3. DNS record types come in many forms, but which record type is being described below? Maps a domain name such as www.google.com to an IP address.
 - A. A
 - B. CNAME
 - C. MX
 - D. PTR

4. You have a server named Server1 that runs Windows Server 2012. Server1 has five network adapters. Three of the network adapters are connected to a network named LAN1. The two other network adapters are connected to a network named LAN2. You need to create a network adapter team from the three network adapters connected to LAN1. Which tool should you use?
 - A. Routing and Remote Access
 - B. Network Load Balancing Manager
 - C. Network and Sharing Center
 - D. Server Manager

5. Your IT Company has a large helpdesk department that deals with various types of calls from printer errors to application deployment. To give the helpdesk more responsibility you want to let them reset user passwords and unlock user accounts. This will speed up their response time for common support calls. Which of the following tools should you use to accomplish this?
- A. The Delegation of Control Wizard
 - B. The Advanced Security Settings dialog box
 - C. Distributed System Utility (DSUTIL)
 - D. Display System and Access Control List Service (DSACLS)
6. 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. Server Manager
 - C. Remote Server Administration Tool (RSAT)
 - D. Any of the above
7. Which of the following are required to create a domain controller successfully?
- A. A valid DNS domain name
 - B. A working FTP server
 - C. A DHCP server to assign an IP address to the domain controller
 - D. A DNS server
8. 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.
9. You are logged on as Administrator to SERVER02, one of four domain controllers in thecontoso.com domain that run Server Core. You want to demote the domain controller. Which of the following is required?
- A. The local Administrator password
 - B. The credentials for a user in the Domain Admins group
 - C. The credentials for a user in the Domain Controllers group
 - D. The address of a DNS server

10. A user from your organization has reported to the IT helpdesk that they are receiving the following message 'Your account is configured to prevent you from using the computer. Please try another computer'. What should you do to enable them to log on to their computer?
- A. Use the Dsmove command
 - B. Click the Allowed to Join Domain button in the New Computer dialog box
 - C. Click the Log On To button on the Account tab of her user account
 - D. None of the above
11. Which of the following reasons justifies why you should audit failed events?
- A. To log resource access for reporting and billing
 - B. To monitor access that would suggest users are performing actions greater than you had planned.
 - C. To monitor for malicious attempts to access a resource which has been denied
 - D. None of the above
12. Your network contains a server named Server1 that runs Windows Server 2012. Server1 has the Print and Document Services server role installed. You connect a new print device to the network. The marketing department and the sales department will use the print device. You need to provide users from both departments with the ability to print to the network print device. The solution must ensure that if there are multiple documents queued to print, the documents from the sales users print before the documents from the marketing users. What should you do on Server1?
- A. Add one printer. Modify the printer priority and the security settings.
 - B. Add two printers. Modify the priorities of each printer and the security settings of each printer.
 - C. Add two printers and configure printer pooling.
 - D. Add one printer and configure printer pooling.
13. 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

14. You perform a Server Core Installation of Windows Server 2012 on a server named Server1. You need to add a graphical user interface (GUI) to Server1. Which tool should you use?
- A. The setup.exe command
 - B. The imagex.exe command
 - C. The Install-RoleServicecmdlet
 - D. The Install-WindowsFeature
15. You have a server named Served that runs Windows Server 2012. You connect three new hard disks to Server 1. You need to create a storage space that contains the three disks. The solution must meet the following requirements:
- Provide fault tolerance if a single disk fails.
 - Maximize the amount of useable storage space.
- What should you create?
- A. A spanned volume
 - B. A simple space
 - C. A parity space
 - D. A mirrored space
16. 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. Starter GPO
 - C. PXE boot
 - D. IFM
17. You have a server named Server1 that runs a full installation of Windows Server 2012. You need to uninstall the graphical user interface (GUI) on Server1. You must achieve this goal by using the minimum amount of administrative effort. What should you do?
- A. From Server Manager, uninstall the User Interfaces and Infrastructure feature.
 - B. From Windows PowerShell, run Uninstall-WindowsFeature PowerShell-ISE.
 - C. From Windows PowerShell, run Uninstall-WindowsFeature Desktop-Experience.
 - D. Reinstall Windows Server 2012 on the server.

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. Restore-GPO
 - C. Import-GPO
 - D. Copy-GPO
19. Your network contains an Active Directory domain named intipenang.com. The domain contains two domain controllers named DC1 and DC2. You install Windows Server 2012 on a new computer named DC3. You need to manually configure DC3 as a domain controller. Which tool should you use?
- A. winrm.exe
 - B. Server Manager
 - C. dcpromo.exe
 - D. Active Directory Domains and Trusts
20. Which of the following is not a correct reason for creating an OU?
- A. To delegate administration tasks
 - B. To assign different Group Policy settings to a specific group of users or computers
 - C. To create a permanent container that cannot be moved or renamed
 - D. To duplicate the divisions in your organization

Section B: (60 marks)

Answer any **THREE (3)** questions in the answer booklet provided.

Question 1

- (a) Briefly explain the **THREE (3)** components of DHCP. (6 marks)
- (b) Discuss **THREE (3)** IP allocation methods used by DHCP. (9 marks)
- (c) List **FIVE (5)** DHCP message types. (5 marks)

Question 2

- (a) Describe **FIVE (5)** sections of DNS message format. (10 marks)
- (b) Identify **FIVE (5)** processes involved in DNS name resolution. (10 marks)

Question 3

- (a) Replication is when domain controllers within a domain synchronize their database information. Differentiate **TWO (2)** types of replication. Support your answer with illustrations. (8 marks)
- (b) Discuss **FOUR (4)** methods used to create multiple users in Windows Server 2012. (12 marks)

Question 4

- (a) Briefly explain **THREE (3)** reasons for creating Organizational Units. (6 marks)
- (b) List the members of the following group scopes.
- (i) Domain Local groups (5 marks)
 - (ii) Global Groups (3 marks)
 - (iii) Universal Groups (4 marks)
- (c) Give **TWO (2)** disadvantages if the numbers of organization unit that are nested have too many levels. (2 marks)

~ The End ~

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