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FINAL
Examination Paper

(COVER PAGE)

Session	:	**AUGUST 2018**
Programme	:	Diploma In Information And Communication Technology (DICTN) Diploma In Information Technology (DITN)
Course	:	**ICT2109: Server Management**
Date of Examination	:	13 December 2018, (Thursday)
Time	:	8:00am -10:00am 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 7 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: AUGUST 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. 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

2. 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

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 some features are not installed.

   A. MMC
   B. Windows Explorer
   C. Control Panel
   D. Server Manager

4. 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 that you had planned.
   D. None of the above

5. 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

6. 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. File Services
C. Terminal Services
D. Domain Name Service

7. 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

8. 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 Log On To button on the Account tab of her user account
C. Click the Allowed To Join Domain button in the New Computer dialog box
D. None of the above

9. 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. CNAME
B. A
C. PTR
D. MX

10. Which of the following cannot contain multiple Active Directory domains?

A. Organizational Units
B. Sites
C. Trees
D. Forests

11. What are the two basic classes of Active Directory objects?

A. Resource
B. Leaf
C. Domain
D. Tree

12. 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

13. Which of the following 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

14. Which of the following groups are used to consolidate groups and accounts that span either multiple domains or the entire forest?

A. Global
B. Domain local
C. Built-in
D. Universal

15. Which of the following is not a correct reason for creating an OU?

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

16. Connection security rules require that network traffic allowed through the firewall use which of the following security mechanisms?

A. EFS.
B. IPSec
C. UAC
D. Kerberos

17. Which of the following techniques can be used to apply GPO settings to a specific group of users in an OU?

A. GPO linking.
B. Administrative templates
C. Security filtering
D. Starter GPOs

18. Which of the following actions cannot be performed from the Windows Firewall control panel?

A. Allowing an application through the firewall in all three profiles.
B. Blocking all incoming connections for any of the three profiles
C. Creating firewall exceptions based on port numbers for all three profiles
D. Turning Windows Firewall off for all three profiles

19. Which of the following tools are used to modify the settings in a security template?

A. Active Directory Users and Computers.
B. Security Templates snap-in
C. Group Policy Object Editor
D. Group Policy Management console

20. Which of the following mechanisms is used most often in firewall rules to allow traffic onto the network?

A. Hardware addresses.
B. IP addresses
C. Protocol numbers
D. Port numbers

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

(5 marks)

(b) List and explain advantages of Server Core

(10 marks)

(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

(a) List two tools used to manage Group Policies. Discuss the differences between Policies and Preferences.

(10 marks)

(b) Define the following terminologies:

(i) Member Server
(ii) Organizational Unit
(iii) Active directory Federation Services
(iv) Domain Controller
(v) Group Policies

(10 marks)

Question 3

(a) Define name resolution.

(5 marks)

(b) There are TWO ways to request name resolution. Name and explain each using illustrations.

(10 marks)

(c) DNS Server Caching is one way to improve the efficiency of name resolution process. Explain how this method can perform poorly instead.

(5 marks)

Question 4

(a) Describe a firewall.

(4 marks)

(b) List and describe FOUR different types of threats that a firewall can protect against.

(12 marks)

(c) Firewall rules can function in TWO ways. List and explain each.

(4 marks)

~ The End ~

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