



FINAL
Examination Paper

(COVER PAGE)

Session : April 2015

Programme : Diploma In Information And Communication Technology
(DICTN/DNSI)

Course : ICT2109 / CSC2111 : Server Management

Date of Examination : August 3, 2015

Time : 5:00pm – 7:00pm Reading Time: Nil

Duration : 2 Hours

Special Instructions :

Answer any **FOUR (4)** questions.

Materials permitted : Non-Programmable Calculator

Materials provided : Nil

Examiner (s) : Mr. Victor Raj Kolintiar, Koh Chong Lin.

Moderator : Dr. Ang Tan Fong

This paper consists of 3 printed pages, including the cover page.

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DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY (DICTN)
ICT 2109: SERVER MANAGEMENT
FINAL EXAMINATION: APRIL 2015 SESSION

Instructions: This paper consists of **SIX (6)** questions. Answer any **FOUR (4)** questions in the answer booklet provided. All questions carry equal marks.

Question 1

- (a) Explain **FOUR (4)** advantages of running servers using Server Core. (8 marks)
- (b) Provide the steps to create a storage pool by using Server Manager. (8 marks)
- (c) Distinguish among a domain, a tree, and a forest in Active Directory. (9 marks)

Question 2

- (a) Discuss **THREE (3)** basic methods for addressing remote servers provided by Server Manager. (12 marks)
- (b) Define NTFS permissions. Describe **SIX (6)** NTFS standard permissions for files and folders. (13 marks)

Question 3

- (a) Describe the procedure to deploy printers with Group Policy. (9 marks)
- (b) Describe **FOUR (4)** fundamental configurations for Windows printer deployment with the aid of relevant diagrams. (12 marks)
- (c) Define the following options in the Configure Share Settings page:
 - (i) Enable Access-Based Enumeration
 - (ii) Allow Caching Of Share
 - (iii) Enable BranchCache On The File Share
 - (iv) Encrypt Data Access(4 marks)



Question 4

- (a) Discuss DHCP lease negotiation and DHCP lease renewal with relevant flowchart diagrams. (14 marks)
- (b) The enterprise administrator has assigned Kevin the network address 172.16.8.0/24 for the branch office network that he is constructing. Kevin calculates that this gives him 254 (28) IP addresses, which is enough for his network, but he has determined that he needs six subnets with at least 10 hosts on each one.
- (v) How can Kevin subnet the address he has been given to satisfy his needs?
- (vi) What IP addresses and subnet masks will the computers on his branch office network use? (11 marks)

Question 5

- (a) State the advantage and disadvantage of using roaming profiles. (4 marks)
- (b) Discuss the hardware requirements before you can install the Hyper-V role on a server. (9 marks)
- (c) You have installed the Hyper-V role on your server and are ready to create a virtual machine. Provide the steps to create a new virtual machine in your server. (12 marks)

Question 6

- (a) Bill complains that he is unable to access the department plan file. You open the *Security* tab for the plan file and you find that all permissions on the file are inherited from the parent folder. There is a *Deny Read* permission assigned to a group to which Bill belongs. Explain any **THREE (3)** ways you can undertake to enable Bill to access the plan file. (9 marks)
- (b) List the **SIX (6)** steps of the stateless address autoconfiguration process. (6 marks)
- (c) Provide the steps to remove a domain controller from an **Active Directory Domain Services (AD DS)** installation. (10 marks)

—THE END—

