



**FINAL**  
Examination Paper

(COVER PAGE)

Session : August 2015

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

Course : ICT2109/ CSC2111: Server Management

Date of Examination : December 10, 2015.

Time : 11.00am – 1.00pm 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 and Mr. Koh Chong Lin

Moderator : Dr. Ang Tan Fong

*This paper consists of 4 printed pages, including the cover page*

DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY (DICTN)  
ICT2109/ CSC2111: SERVER MANAGEMENT  
FINAL EXAMINATION: AUGUST 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) Define 'Partition Style'. List and explain **TWO (2)** types of partition style. (6 marks)
- (b) List and explain **SIX (6)** types of resource records used by a DNS server. (9 marks)
- (c) Define the following terminologies: (10 marks)
- (i) Member Server
  - (ii) Organizational Unit
  - (iii) Active Directory Federation Services
  - (iv) Security Templates
  - (v) Group Policies

**Question 2**

- (a) In creating Virtual Switch during Hyper-V configuration, what are the **THREE (3)** switch types available? (9 marks)
- (b) Define the following options in the File Share Profile list: (5 marks)
- (i) SMB Share-Quick
  - (ii) SMB Share-Advanced
  - (iii) SMB Share-Applications
  - (iv) NFS Share-Quick
  - (v) NFS Share-Advanced
- (c) What is Server Manager? Discuss **FOUR (4)** server roles that can be installed and managed by using Server Manager. (11 marks)

**Question 3**

- (a) Provide the steps to add an existing virtual system drive to a VM. (8 marks)
- (b) Identify and explain **THREE (3)** types of VHD files. (9 marks)
- (c) Windows networking environment provides two kinds of networking models, one is Workgroup and the other is Domain. Explain both of these networking models. (8 marks)

**Question 4**

- (a) Distinguish among a domain, a tree, and a forest in Active Directory. (8 marks)
- (b) You enable the *password complexity policy* for your domain. Describe the requirements for passwords, and when those requirements will take effect. (8 marks)
- (c) Differentiate the following printer permissions: Print permission, Manage Documents permission and Manage Printers permission. (9 marks)

**Question 5**

- (a) Jason is an IT technician who has been assigned the task of configuring a new server running Windows Server 2012 Server Core, called ServerA, which is to be shipped out to the company's branch office. The server must be configured to function as a file server with support for the Distributed File System (DFS), a print server with support for Internet and UNIX printing, and a secured, intranet web/FTP server for domain users.
- (i) What Windows PowerShell command should Jason use to install the required roles on the servers?
  - (ii) What Windows PowerShell command can Jason use to obtain the short names for the roles used by Windows PowerShell?
  - (iii) List the commands that Jason must run on the new server to install the required modules. (11 marks)
- (b) Identify and explain the **TWO (2)** Windows Server 2012 group types. (6 marks)
- (c) Differentiate between Iterative Query and Recursive Query of DNS lookup in Windows Server 2012 environment. (8 marks)

**Question 6**

- (a) You are a network administrator planning a security template deployment on a network that consists of 100 workstations. The workstations are all running various versions of Microsoft Windows, broken down as follows:

Windows 7: 30 workstations

Windows XP Professional: 40 workstations

Windows XP Home Edition: 20 workstations

Windows 2000 Professional: 10 workstations

In the past, some computers on the network have been compromised because end users modified their workstation security configurations. Your task is to deploy your security templates on the workstations in such a way that end users cannot modify them. To accomplish this goal, you decide to use Group Policy to deploy the templates to an AD DS OU object that contains all of the workstations.

(6 marks)

- (b) Define Group Policy. Discuss **THREE (3)** layers of Group Policy support.

(10 marks)

- (c) A zone in DNS server is a database containing resource and information records for a domain. Explain the **THREE (3)** different types of zones.

(9 marks)

**~THE END~**  
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