

DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

DIPLOMA IN I.T DIT2K10J

ECT 2308 **NETWORK MANAGEMENT**

SECTION A COMPULSORY

QUESTION 1

- a) Briefly define the following terms:
  - i) Network management (2 marks)
  - ii) Windows Permissions (1 mark)
  - iii) Built-in accounts (1mark)
  - iv) Active directory (1 mark)
- b) Describe five features of peer-to-peer network (5 marks)
- c) Explain the purposes of the following MS Windows Vista Versions
  - i) Home Premium (2 marks)
  - ii) Business (2 marks)
  - iii) Ultimate (2 marks)
- d) Describe two general features of each of the following Network Operating System
  - i) Windows NT 4 (2 marks)
  - ii) Windows 2000 Server (2 marks)
  - iii) Windows Server 2003 (2 marks)
- e) Explain the following components of user accounts
  - i) Home Directory (2 marks)
  - ii) Group Membership (2 marks)
  - iii) Account Status (2 marks)
  - iv) Account Restriction (2 marks)

SECTION B (Answer any Two questions)

QUESTION 2

- a) List three preconfigured built-in accounts (3 marks)
- b) Explain one characteristic of each of the built-in accounts listed in (a) (3 marks)
- c) Describe how the following user rights are important to the beneficiaries of network system

- i) Changing system time (2 marks)
- ii) Log on locally (2 marks)
- iii) Restore files and directories (2 marks)
- d) Complete the following table of permissions (3 marks)

| permission      | abbreviation     | description                            |
|-----------------|------------------|--|
| Execute         | .....?<br>.....? | The user can run the files             |
| .....?<br>....? | D                | The user can delete the file           |
| .....?<br>....? | P                | The user can change permission of file |

QUESTION 3

- a) Define user profile in windows configuration (2 marks)
- b) List three advantages of New Technology File System NTFS over that of File Allocation Table FAT System (6 marks)
- c)
  - (i) Distinguish between Network Operating System and Desktop Operating System (2 marks)
  - (ii) Explain the general features of network operating system (NOS) (5 marks)

QUESTION 4

- a) Explain the five steps to be taken in final preparation before installing Network Operating System e.g MS Windows Server (5 marks)
- b) Describe six basic decisions while installing a network operating System (6 marks)
- c) Distinguish between Automated and Remote installations. (4 marks)

QUESTION 5

Study the scenario below and answer the questions that follow

Milimani Furniture is a small company which deals in office, home and outdoor furniture. It has four staff members, the Director who is using a Dell Precision Laptop with Core 2 duo 2.0 GHz processor,, 2GB RAM, 500GB Hard disk ,windows 7 Operating system, 1 Ethernet adaptor port and 1 wireless adaptor, he uses the laptop to read daily reports brought to him by the manager and accountant through a flash drive. The Director is the only one connected to the internet.

The manager his office adjacent to the director's is using HP D500 desktop, with Pentium 4, 3.0 GHX processor, 1 GB RAM, 160 GB Hard disk , Windows XP professional, 1 Ethernet adaptor port. The manager uses his computer for preparing documents and reports as well as receiving daily reports from the accountant and the Salesman through a CD or Flash drive.

The Accountant and the Salesman are using computers with the same specification as the one used by the manager. The accountant uses his computer for running accounting application and the salesman uses his computer to enter daily sales and to his system and then consults the accountant to balance the transactions.

The director has resolved that:

- i) He want a new network printer
- ii) All the staff members should be able to access the internet
- iii) He should be able to access the files and reports from the accountant, manager and the salesman

Instructions

- a) Draw a table to illustrate how you are going to take stock for this network plan (6 marks)
- b) List the goals for the proposed network set up (3marks)
- c) Draw the possible network set up for this plan (6 marks)