NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
JANUARY/FEBRUARY 2013 EXAMINATION

COURSE CODE: CIT381   COURSE TITLE: File Processing and Management
Total mark is 70 and each question carries 17$^1/_2$ marks
Answer 4 Questions in 2$^1/_2$ Hours.

1a. Write a short note on each of the following:
    (i)   A File
    (ii)   A Record
    (iii)   A Field
            (3 marks each)
1b. Mention and explain any three types of file (4 marks)
1c. List three (3) File Organisation Criteria (4.5 marks)

2a. What do you understand by File Organization (5.5 marks)
2b. List any three (3) criteria for choosing a File Organization (6 marks)
2c. Give the full meaning of the following acronyms:

    (i)   GUI
    (ii)   CBIS
    (iii)   CPU
    (iv)   RAM
    (v)   ROM
    (vi)   FAT
            (1 mark each)

3a. What is *file management system?* (5 marks)

3b. What do you understand by the following:

(i) Disk quotas
(ii)Volume
(4 marks each)

3c. List three (3) objectives of *file management system* (4.5 marks)

4a. Explain what is meant by "a path name" (4 marks)

4b. Write briefly on three types of operation that can be performed on a file. (9 marks)
4c. List three (3) types of pathname (4.5 marks)

5a. What do you understand by Free Space Management? (4 marks)
5b. List and explain three (3) operations that are to be performed on a directory. (9 marks)

5c. List three techniques of Free Space Management (4.5 marks)

6a. What are backups? (5 marks)
6b. Mention two (2) types of backups (6 marks)
6c. Explain what you understand by user authentication (3 marks)
6d. How can user authentication be implemented? (4.5 marks)