NATIONAL OPEN UNIVERSITY OF NIGERIA
14/16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
JUNE/JULY EXAMINATION
COURSE CODE: CIT381
COURSE TITLE: File Processing and Management
TIME ALLOWED: 2$^1/_2$ Hours
INSTRUCTION: Answer 4 Questions

1. (a) What is the full meaning of the following acronyms:
    (i) CBIS
    (ii) PDF
    (iii) GIF
    (iv) FAT
    (v) CPU
    (vi) RAM
    (vii) RTF
    (viii)VFS
    (2 marks each)
   (b) What do you understand by Search Algorithm?
   (3 marks)
   (c) List any three types of Uninformed Search
   (6 marks)

2. (a) Write short note on each of the following
    (i) Biometrics
    (ii) User Authentication
    (iii) Data Corruption
(4 marks each)
   (b) List any three (3) causes of data loss
(9 marks)
   (c) Mention any two levels of security measures in system protection
(4 marks)

3. (a). What are backups? List two types of backups?
(7 marks)
   (b) Write short note on each of the following:
    (i)   Data Validation
    (ii)   Data Dictionary
    (iii)   Denial of Service
            (4 marks each)
 (c) List three implementation of file protection
(6 marks)

4. a. Write a short note on each of the following:
    (i)   A File
    (ii)   A Record

    (iii)   A Field
        (3 marks each)
 (b) Mention and explain any three types of file you know
(10 marks)
 (c) List three (3) File Organisation Criteria
(6 marks)

5. (a) Explain a sorting algorithm to a lay man?
(6 marks)
    (b) List any five different sorting techniques.
(10 marks)
    (c) Mention three Objectives of File Management System
(9 marks)

6. (a) Explain what you understand by "a path name"
(7 marks)
    (b) List two (2) types of pathname
(8 marks)
(c) Write briefly on the five types of operation that can be performed on a file.
(10 marks)