Course Code: **CIT381**

Course Title: **File Processing and Management**

Time: **2$^{1/2}$ hrs**

Course Credit Unit: **3**

Instruction: **Attempt any four (4) questions. Each question carries 17.5 marks**

1(a) Write short note on the following
        (i)   System Software
        (ii)   Application Software
        (iii)   Random Access
        (2 marks each)
 (b) List and explain five (5) uses of the Internet (11.5 marks)

2.(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 (5 marks)
(c) List three (3) File Organization Criteria (31/5marks)

3 (a) Write short note on each of the following
     (i) Biometrics
     (ii) User Authentication
     (iii) Data Corruption
          (3 marks each)
   (b) List any three (3) causes of data loss (6 marks)

(c) Mention any two levels of security measures in system protection (2.5 marks)
4(a) Explain what you understand by"a path name" (5 marks)
(b) List two (2) types of pathname (4 marks)
(c) Write briefly on the five types of operation that can be performed on a file.(8.5marks)

5 (a). What are backups? List two types of backups? (5.5 marks)
(b) Write short note on each of the following:
        (i)   Data Validation
        (ii)   Data Dictionary
        (iii)   Denial of Service
           (2 marks each)
(c). List three implementation of file protection (6 marks)

6(a) Explain a sorting algorithm to a lay man? (6 marks)
(b) List any five different sorting techniques. (5 marks)
(c)Mention three Objectives of File Management System (6.5 marks)