

NATIONAL OPEN UNIVERSITY OF NIGERIA

University Village, Plot 91, Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi, Abuja

Faculty of Science and Technology

Course Title: File Processing and Management

2 Credit Unit

Course code: CIT 381

Instruction: Answer question 1 and any other 3

1.
  - a. Define the term “file organisation” (2 marks)
  - b. List and briefly explain the three (3) methods of file organization (9 marks)
  - c. List and explain 4 operations that can be done on a file (8 marks)
  - d. What is the difference between appending and writing a file? (4 marks)
  - e. How can access to files in networked environment be controlled? (2 marks)
2.
  - a. List three of the strategies that can be used in free space fragmentation (6 marks)
  - b. List and explain three methods of file allocation (9 marks)
3.
  - a. What is system performance? (6 marks)
  - b. Define the following terms ( 9 marks)
4.
  - a. List 3 storage devices on which data can be stored (3 marks)
  - b. List and explain three methods of blocking (6 marks)
  - c. List three criteria that have to be considered when choosing a file organization method.(6 marks)
5.
  - a. Define the term “file management system” (3 marks)
  - b. List and explain four objectives of the file management system (12 marks)
- 6 What is the relationship between access method and file organization? (6 marks)
  - a. Define the term “access method” (3 marks)

- b. Outline three different groups of users that can be granted access rights? (6 marks)