

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. Define the term “file organisation” (2 marks)
2. List and briefly explain the three (3) methods of file organization (9 marks)
3. List and explain 4 operations that can be done on a file (8 marks)
4. What is the difference between appending and writing a file? (4 marks)
5. How can access to files in networked environment be controlled? (2 marks)
6. List three of the strategies that can be used in free space fragmentation (6 marks)
7. List and explain three methods of file allocation (9 marks)
8. What is system performance? (6 marks)
9. Define the following terms( 9 marks)

4

1. List 3 storage devices on which data can be stored (3 marks)
2. List and explain three methods of blocking (6 marks)
3. List three criteria that have to be considered when choosing a file organization method.(6 marks)

5

* 1. Define the term “file management system” (3 marks)
  2. List and explain four objectives of the file management system (12 marks)

6

1. What is the relationship between access method and file organization? (6 marks)
2. Define the term “access method” (3 marks)
3. Outline three different groups of users that can be granted access rights? (6 marks)