



NATIONAL OPEN UNIVERSITY OF NIGERIA

PLOT 91, CADASTRAL ZONE, NNAMDI ASIKIWE EXPRESSWAY, JABI – ABUJA

FACULTY OF SCIENCES

2023_2 EXAMINATIONS

CIT 841: Advanced Information Storage and Retrieval

Credit Units: 2 Units

Time: 2 hours

INSTRUCTION: Answer Question ONE and Any Three Others

1.
 - a. Explain what you understand by information and discuss the relationship between data and information (*4 marks*)
 - b. Differentiate between objective or subjective information (*3 marks*)
 - c. Explain why information retrieval that relies on index rather than full search might lead to poor retrieval? (*4 marks*)
 - d. Discuss three main factors that affect query formulation in information retrieval (*6 marks*)
 - e. Discuss the essence of interoperability in information system and state two approaches for achieving information interoperability (*4 marks*)
 - f. Describe what you understand by document indexing and state its essence (*4 marks*)
2.
 - a. Discuss the essence bibliographic database (*5 marks*)
 - b. Explain the purpose of cataloging (*5 marks*)
 - c. Explain the essence of search engine keeping user profile and state some of the approaches that can be used to specify user profile (*5 marks*)
3.
 - a. Explain what you understand by MARC 21 format (*4.5 marks*)
 - b. Discuss the MARC 21 formats for the following types of data:
 - i. bibliographic, (*2 marks*)
 - ii. holdings, (*2 marks*)
 - iii. Community information (*2 marks*)
 - c. Explain the concept of Information Management (*4.5 marks*)
4.
 - a. State and explain the Objectives of Information Organisation (*5 marks*)

- b. Discuss why information has to be digitized (**5 marks**)
 - c. Discuss the essence of an information retrieval system (**5 marks**)
- 5.
- a. Discuss the advantages and disadvantages of Digital libraries (**6 marks**)
 - b. Discuss essential elements required for interoperability of digital information (**4.5 marks**)
 - c. Discuss the features of the web information retrieval system which distinguishes it from the traditional information retrieval system (**4.5 marks**)