NATIONAL OPEN UNIVERSITY OF NIGERIA
University Village, Plot 91, Cadastral Zone,
NnamdiAzikiwe Expressway, Jabi, Abuja

FACULTY OF SCIENCES
APRIL 2019 EXAMINATION

Course Code: CIT841
Course Title: Advanced Information Storage and Retrieval
Course Credit   Unit: 2
Time Allowed: 2Hours
Instruction: Answer Question 1 and any other three (3) questions

Question 1
(a) Name the components of a search engine   **(3 marks)**
(b) Give the functions of information retrieval system.   **(5 marks)**
(c) In tabular form, distinguish between bibliographic and non-bibliographic Information. (**5 marks**)
(d) Briefly explain the types of metadata   (**6 marks**)
(e) State some applications of Information retrieval   **(3 marks**)
(f) Explain components of IR block diagram   **(3 marks)**

Question 2
(a) What are the functions of Metadata?   **(6 marks)**
(b) Explain briefly the working of search engines.   **(5 marks)**
(c) Differentiate between information filtering and information retrieval **(4 marks)**

Question 3
(a) What is a query?   **(2 marks)**
(b) Discuss five (5) steps normally involved in Indexing   **(5 marks)**
(c) Mention and describe six (6) main measurable quantities for evaluating an information retrieval
    system   **(8 marks)**

Question 4
(a) Mention any five (5) types of searches with appropriate examples of each Search Engines. **(5 marks)**
(b) Give a detail description of the web   **(6 marks)**
(c) Briefly explain the Fuzzy Model of Information Retrieval   **(4 marks)**

Question 5
(a) Describe various ways to specify user profiles: **(6 marks)**
(b) User Profiles creation are commonly associated with four (4) basic problems. Discuss them.
        (**9 Marks)**