



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI-ABUJA
FACULTY OF SCIENCE
DEPARTMENT OF COMPUTER SCIENCE
2022_2 Examination

COURSE CODE: CIT841

COURSE TITLE: ADVANCED INFORMATION STORAGE AND RETRIEVAL

CREDIT UNIT: 2

TIME ALLOWED: 2HRS

INSTRUCTION: ANSWER QUESTION ONE AND ANY OTHER THREE

Question 1

- a. Discuss three main factors that affect query formulation (3marks)
- b. Identify any six processes applicable to Information seeking (6mark)
- c. (i) What is Document Linearization? (1mark)
- (ii) Discuss four steps involved in documents linearization (4marks)
- d. Review four main steps in Information search (4marks)
- e. What is document similarity? (3marks)
- f. Discuss a metadata? (4 marks)

Question 2

- a. What is Query formulation? (2 marks)
- b. Giving an example, what is Secondary Information? (4marks)
- c. How a query represented and what is its constituent? (3 marks)
- d. Discuss the vector space Model (6 marks)

Question 3

- a. Narrate the expertise needed to perform an effective search (3 marks)
- b. Debate on the Root and concept nodes of a query (6marks)
- c. Report the techniques involved in a typical query expansion? (4marks)
- d. Giving examples, what is factual information? (2 marks)

Question 4

- a. Review the concept of query expansion? (5 marks)
- b. Discuss the Information Life Cycle (4 marks)
- c. Address the three broad categories of Search task (6 marks)

Question 5

- a. Differentiate the Internet from the World Wide Web (5marks)
- b. What is a Query? (4marks)
- c. When is a search said to be successful? (4marks)
- d. Briefly expatiate on the vocabulary problem (2marks)