NATIONAL OPEN **UNIVERSITY OF NIGERIA**
14/16, Ahmadu Bello Way, Victoria Island

SCHOOL OF SCIENCE & TECHNOLOGY

Course Code: CIT 841   Course Unit: 2

Course Title: ADVANCED INFORMATION STORAGE AND RETRIEVAL

Time Allowed: 2 ½ Hours

Instruction: **Answer Any Four Questions**

1a.   Distinguish between primary and secondary information.   4 marks
 b.   Explain what is meant by information life cycle.
5 marks
 c.   Briefly explain oorganisational bibliographical information.   8 ½ marks

2a   Outline the general requirements for converting text, images and
       objects to
digital form.   5 ½ marks
 b.   State three main advantages and three disadvantages of digital
       information.
                        6marks
 c.   List four ways by which a digital library differs from traditional one
              6 marks

3a.   Explain what is meant by Post-Publishing representation.   4 marks
 b..   What is the most appealing advantage of post-publication
representation?
                                                            3 marks
c.   State three disadvantages of Post-Publishing representation.   4 ½ marks
 d.   Explain two roles of metadata as information repositories.   6 marks

4a.   Describe, in detail,what is meant by a user profile.   8 ½ marks
 b.   Explain three different ways to specify user profile.
       9 marks

5a.   Explain query formulation concept.   6 ½ marks
 b.   State three factors affecting query formulation.
       5 marks

  c.   List four typical query expansion techniques.   6 marks

6a.   Explain the Boolean Model of information retrieval.   6 marks

  b.   Outline four advantages of Boolean Model of information retrieval.
           8 marks

  c.   Why do users find it difficult to construct effective Boolean queries?
           3 ½ marks