

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF COMMUNICATION AND INFORMATION SCIENCE
DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE
BACHELOR OF SCIENCE (HONOURS) DEGREE IN LIBRARY
AND INFORMATION SCIENCE

PART I SECOND SEMESTER JULY 2013 SUPPLEMENTARY EXAMINATIONS

**ILI 1206: COMPUTERISED DOCUMENTATION SYSTEMS/INFORMATION
SYSTEMS FOR INFORMATION SERVICES (CDS/ISIS)**

TIME: 3 HOURS

Instructions to candidates

1. Answer any four (4) questions.
 2. Each complete question carries 25 marks.
 3. Give equal time to each question.
 4. Importance is attached to accuracy, clarity and legible handwriting.
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1. Discuss in detail giving practical examples of benefits and challenges faced by libraries through the use of databases. [25 marks]

2. Discuss the roles played by the following components of CDS/ISIS:
 - 2.1 Master file [5 marks]
 - 2.2 Inverted file [5 marks]
 - 2.3 ANY file [5 marks]
 - 2.4 Repeatable field [5 marks]
 - 2.5 Sub-fields [5 marks]

- 3.1 Discuss how the following are used in database creation in CDS/ISIS
 - 3.1.1 FDT [5 marks]
 - 3.1.2 FMT [5 marks]
 - 3.1.3 PFT [5 marks]
 - 3.1.4 FST [5 marks]

3.2 Explain the use of the following search operators:

3.2.1 AND [2 marks]

3.2.2 OR [2 marks]

3.2.3 NOT [1 mark]

4. With the aid of examples discuss CDS/ISIS different search criteria. [25 marks]

5 For any library database, come up with twelve fields and indicate the appropriate data types. Justify your selection of the data type for each field giving practical examples.[25 marks]

6 Discuss factors that should be considered when acquiring database applications for a library. [25 marks]

END OF PAPER