NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF EDUCATION
DEPARTMENT OF LIBRARY & INFORMATION SCIENCE
2021_2 EXAMINATION

COURSE CODE: LIS 318
COURSE TITLE: DATABASE DESIGN AND MANAGEMENT
CREDIT UNIT: 2 UNITS
Time Allowed: 2 hrs 15 mins

INSTRUCTIONS: Answer THREE (3) Questions ONLY. Question one is COMPULSORY

1. a. What is a Database? (5 marks)
    b. Discuss FIVE (5) advantages of Database Management System (10 marks)
    c. Discuss FIVE (5) disadvantages of using a Database Management System in libraries and information centres (15 marks)

2. As a database designer, discuss the sequential steps you would follow in a database System Development Life Cycle (20 marks)

3. a. What is Data Modelling? (4 marks)
    b. Discuss FOUR (4) types of Data Modelling (16 marks)

4. Discuss the characteristics or attributes of Database Storage Management (20 marks)

5. Discuss the following forms of storage systems employed in database (20 marks):
    i.   Redundant Array of Independent Disks (RAID)
    ii.   Magnetic Disks
    iii.   Primary Storage
    iv.   Secondary Storage

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