

# SOUTHWESTERN UNIVERSITY NIGERIA

KM 20, SAGAMU-BENIN EXPRESSWAY, OKUN OWA, IJEBU-ODE, OGUN STATE.

FACULTY OF PURE & APPLIED SCIENCES

DEPARTMENT OF COMPUTER SCIENCE

HND TO BSC CONVERSION PROGRAMME

2018/2019 THIRD SEMESTER EXAMINATION

**COURSE CODE: CMP 419**    **COURSE TITLE:** Database Management System

**INSTRUCTION:** Answer question 1 and any other three (3).    **TIME:** 2hrs

1. (a) List all the types of database
- (b) Explain the following:
  - (i) Data Independence
  - (ii) Data Reliability
  - (iii) Data Integrity
  - (iv) Data Management
  - (v) Data base generation
  - (vi) Data base management system
2. (a) (i) Explain the term Data Structure  
(ii) With the aid of the daigram explain the classification of data structure
- (b) Explain a data base Logical and Physical Organisation
3. (a) What are the Security Measures that must be taken into consideration before implimenting a data base management system
- (b) What are the advantages of DBMS
- (c) What are the applications of DBMS
- (d) What are the duties of a DBMS administrator.
4. (a) With the aid of the diagram explain all the data model of a DBMS
- (b) Write some SQL commands used to query a data-base.
5. (a) Explain the term privacy quality and integrity protection of a DBMS
- (b) Construct a database for employees in a production industry
  - (i) What are the function of a data base designers.
  - (ii) What is an end user
  - (iii) List all types of DBMS end users.