

# 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 FIRST SEMESTER EXAMINATION

**COURSE CODE: CSC 313**

**COURSE TITLE: System Analysis and Design**

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

1. (a) (i) Explain the term system development life cycle? and enumerate the phases of the system development life cycle.  
(ii) What is the basic different between systems approach and system Analysis?  
(b) (i) What are the areas of operational evaluation?  
(ii) List out some of the constraints under which a system designer has to work?  
(c) To you why is it difficult to determine user requirements?
2. (a) Briefly describe various factors to be considered in form design.  
(b) Explain operational feasibility?
3. (a) What is an infeasible project and how are they handled.  
(b) State the seven rules that governs the construction of DFDs?
4. (a) How would an Analyst determine the users needs for a system. Explain?  
(b) Enumerate the various processing techniques for system design?
5. (a) As a system analyst, discuss the four basic elements you must have a mind when designing a new system?  
(b) Define cost benefit Analysis? Enumerate three classification of costs and benefits.