Course Code: **BUS815**
Course Title: **MANAGEMENT INFORMATION SYSTEMS, DESIGN AND DEVELOPMENT**
Credit Unit: **2**
Instructions: **1. Attempt Question 1 and any other two (2) questions**

2. Question 1 is compulsory and carries 30marks while the other 2 questions carry 20marks each
3. Present all your points in coherent and orderly manner
Time Allowed: 2 Hours

1. a. Define the term "Systems Development Life Cycle (SDLC)" (5marks)
   b. List the Ten (10) phases of a systems life cycle and explain its three (3) its main primary   Objectives.   (10marks)
   c. Explain any five (5) key principles guiding the systems life cycle management   (10marks)
   d.   Define Project management and briefly explain the three (3) major constraints within which a Project Management Team is expected to work with.   (5marks)

2. a. Briefly explain any three (3) of the following systems life cycle models: (10marks)
   i.   Waterfall Model
   ii.   Rapid Application Development (RAD) Model
   iii.   Joint Application Development (JAD) Model
   iv.   Prototyping Model
   b. In designing and developing Management Information Systems much effort are put into Method Development and Research, but there seems to no universal agreement on whether methods are useful at all in Information Systems Development. Explain the two (2) main paradoxes associated with the use of Methods.   (5marks)
   c.   Identify the key deliverables of the Requirement Analysis Phase in the Systems Development Cycle   (5marks)

3. a. i.   What is Strategic Information Systems Planning? (2marks)
   ii.   What are the factors that can influence the output of a Strategic Information System Planning?   (3marks)
   b. List the contents of a Strategic Information Systems Plan. (5marks)

c. Describe the key steps for developing an Information Systems Strategy.
(5marks)
d. What are the triggers for a Strategic Information Systems Plan?
(5marks)

4. a. Identify the main tasks and activities involved in the initiation process for an Information
System design project
(5marks)

   b. Define the roles and responsibilities of the following key resources in the project initiation Phase:
   (5marks)
   i.   Project Sponsor; and
   ii.   Project Manager
   c. The Systems Concept Development Phase is the next phase after the Initiation Phase and following on the approval of the Concept Proposal in the systems development cycle. List the Tasks and Activities involved in this phase.   (5marks)
   (d).   List the factors responsible for the failure of an Information Systems Strategy.

(5marks)
5. a. Discuss briefly the process of managing Risk in Information Systems Projects under
   the following headings:
   (10marks)
   i.   Risk Identification;
   ii.   Risk Assessment; and
   iii. Potential Risk Treatment.

   b. Identify and discuss the key success factors behind the operation of a Dynamic
   Systems Development Method (DSDM).
   (10marks)