UNIVERSITY REGULAR EXAMINATIONS

2013 /2014 ACADEMIC YEAR

2ND YEAR 2ND SEMESTER EXAMINATIONS

(MAIN EXAMINATION)

BACHELOR OF SCIENCE

IN INFORMATION TECHNOLOGY

COURSE CODE: ICT 710

COURSE TITLE: SYSTEM ANALYSIS AND DESIGN

DATE: 25th APRIL,2014   **TIME:** 2:00P.M. – 5:00P.M.

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INSTRUCTIONS TO CANDIDATES:

Attempt question **ONE (1)** and **ANY TWO (2)** other questions from section B.

Question One

a) Differentiate between traditional system development and structured system development methods (6mks)

b) Discuss six types of information systems (18mks)

c) Why do you think it is necessary as a system developer to analyze and design systems before coding process starts? (6mks)

Question Two

a) Differentiate between Waterfall model and Rapid development model (6mks)

b) Discuss the steps in system development life cycle (SDLC) (14mks)

Question Three

a) What is system requirement in system analysis and design? (4mks)

b) State and explain the types of feasibility studies (6mks)

c) Discuss the different types of system changeover (10mks)

Question Four

a) Discuss at least three information system development approaches you know.(12mks)

b) In what environment would you apply the prototype model and why? (8mks)

Question Five

a) What is the importance of documentation in system analysis and design? (10mks)

b) Differentiate the following types of maintenance (10mks)