TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA INFORMATION COMMUNICATION TECHNOLOGY (DICT 13S)

EIT 2210: OBJECT ORIENTED ANALYSIS & DESIGN

END OF SEMESTER EXAMINATION
SERIES: APRIL 2015
TIME: 2 HOURS

Instructions to Candidates:
You should have the following for this examination
    - *Answer Booklet*
This paper consists of **FIVE** questions.
Attempt question **ONE (Compulsory)** and any other **TWO** questions

Maximum marks for each part of a question are as shown
This paper consists of **TWO** printed pages

Question One (Compulsory)

a) Briefly describe the phases of unified process   **(8 marks)**

b) Describe any FOUR techniques of object-oriented analysis   **(8 marks)**

c) Describe the components of a use case diagram   **(4 marks)**

Question Two

a) Describe the steps involved in use case model creation   **(5 marks)**

b) Briefly outline the different categories of feasibility study   (5 marks)

c) List any SIX responsibilities of analysts in system development   **(6 marks)**

d) What is a use case scenario   **(2 marks)**

e) Who is a responsible user?   **(2 marks)**

Question Three

a) What is a use case?   **(2 marks)**

b) Describe the procedure for using event analysis to develop object-oriented analysis models
                                                                                         (6 marks)
c) Describe the procedure for object-oriented system analysis   **(6 marks)**

d) Outline any FOUR responsibilities of programmers in system development   **(4 marks)**

e) Briefly describe Business Modelling as a discipline in unified process   **(2 marks)**

Question Four

a) Describe the FOUR types of users of a software system   **(8 marks)**

b) Describe the FOUR phases of unified process   **(8 marks)**

c) Describe the term time boxing   **(2 marks)**

d) What is feasibility study in software development process   **(2 marks)**

Question Five

a) Briefly describe the five-layer model of object oriented analysis and design.   **(10 marks)**

b) Describe the characteristics of analysis process   **(4 marks)**

c) Describe any FOUR goals of system analysis   **(4 marks)**

d) Who is a hands-on user?   **(2 marks)**