



THE OPEN UNIVERSITY OF SRI LANKA
B.Sc. DEGREE PROGRAMME
CSU3277- SOFTWARE ENGINEERING
CLOSED BOOK TEST (CBT) – 2013/2014
DEPARTMENT OF MATHEMATICS & COMPUTER SCIENCE

DURATION: 1 HOUR

Date: 10.04.2014

Time: 8.45 a.m. –9.45 a.m.

Answer **ALL** the following questions.

- Q1.** Illustrate the *Waterfall model* of the software development process.
- Q2.** Given below is a description of a way of orders handling in the *ABC Company*. The Company has two types of clients as non star clients and star clients.
- All orders of non star clients with bad credit should be rejected.
 - If there is enough products in stock, orders should be accepted.
 - Otherwise order is put in waiting list.
- I.** Draw a suitable Decision Table for the above scenario. In this table, indicate all the rules that can apply. *Hint: You may get 8 rules.*
- II.** Simplify the rules and obtain the reduced decision table.
- Q3.** Develop Entity Relationship Diagrams for the following statements,
1. Department has a Manager
 2. An Employee works on many Projects
 3. Department controls Projects
 4. Patients see Doctors
 5. Players participate in Games

Indicate clearly the attributes, primary key(s) and relationships. State clearly any assumption you make.

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