EASTERN UNIVERSITY, SRI LANKA

DEPARTMENT OF MATHEMATICS

FIRST EXAMINATION IN SCIENCE - 2010/2011

SECOND SEMESTER - (June, 2013)

CC 153 – BIO STATISTICS (PRACTICAL)

Time: **Two** hours

01. A researcher has collected data to identify factors affecting pulse rates. The collected data are in the text file "Pulse.txt". Description of the data is given below.

Column	Name	Description
C1	Gender	Gender of person (1: Male, 2: Female)
C2	Marital	Marital status of person (1: Not married, 2: Married)
C3	Smokes	Smoking status (1: Smoker, 2: Non-Smoker)
C4	Age	Age of person in years
C5	Height	Height of person in inches
C6	Weight	Weight of person in pounds
C7	Ex-hours	No of exercising hours per week
C8	Pulse	Pulse rate in beats per minute

Analyze the data to achieve the above objective and prepare a statistical report. Your report should consist of sections introduction, composition of sample, preliminary analysis, confirmatory analysis, conclusions and suggestions.