



EASTERN UNIVERSITY, SRILANKA
DEPARTMENT OF MATHEMATICS
FIRST YEAR EXAMINATION IN SCIENCE – 2016 / 2017
SECOND SEMESTER (MARCH-2019)
CC 153 – BIOSTATISTICS PRACTICAL
(REPEAT)

Answer the following question.

Time: **Two** hours.

01. The Department of Healthcare Science wants to study factors that could affect the pulse rate of humans. As a pilot survey, it has collected some data from university staff. The description of data that have been collected is given below.

Gender : Gender of the persons (1: male, 2: female)

Marital : Marital status of persons (1: married, 2: not married)

Smoke : Smoking habits of persons (1: smoking, 2: not smoking)

Work : Type of work (1: teaching, 2: administration, 3: maintenance, 4: labour)

Liquor : Use of liquor (1: never, 2: rare, 3: often)

Age : Age of persons in years

Height : Height of persons in inches

Weight : Weight of persons in pounds

Ex-hours: Number of hours of exercise per week

Pulse : Number of pulse within a minute

Data collected by the department from 75 staff are given in text file "Pulse.txt". Analyse the given data by using statistical software "Minitab" and identify factors affect pulse rate. Prepare a detail statistical report.