



QUIZ 1

Name : _____
Student ID : _____ Section : _____
Date : _____

Marks: _____
20

QUESTION 1

(5 MARKS)

The Higher Education Institute has selected one university with 20,000 senior students to conduct a survey. Two hundred students are interviewed to determine whether they still choose the enroll at current university even if they were given another choice. There are four possible responses: definitely yes (DY), probably yes (PY), probably no (PN) and definitely no (DN).

- i. Is the variable *response* categorical or numerical?
- ii. Do the data collection is univariate data or multivariate data? Justify your answer.
- iii. Construct the bar chart to display the given data on literacy level.

QUESTION 2**(15 MARKS)**

On a stretch of road with a 60 km/h limit the following speeds of cars were measured (in km/h).

45, 52, 60, 71, 49, 53, 60, 53, 54, 73, 54, 69, 56, 56, 57, 58, 72, 58, 59, 61, 61, 62, 64, 69, 71, 65

a) Represent the data in a stem-leaf plot.

b) Find the following measures:

i. median speed

ii. upper quartile (Q_3)

iii. lower quartile (Q_1)

c) Draw the skeletal Box-Plot.