



United International University
School of Science and Engineering

CT-04 Trimester: Summer-2020 Section: A

Course Title: Probability and Statistics

Course Code: Stat 205 Marks: 20 Time: 40 Mins

(Answer all the questions)

- 1. Consider the following frequency distribution table for the following questions.**

Class	50-54	55-59	60-64	65-69	70-74
Frequency	9	11	10	13	7

- (i) Sketch the Pie chart. [3]
(ii) Find the Mode and mean deviation from the mode. [5]
(iii) Find P_{23} . [3]

- 2. For the following data find the correlation coefficient. How much x depends on y ? [9]**
Determine and sketch the corresponding regression line. Graphically find the value of x when $y = 15$.

x	5	12	18	23	27	30	26	22
y	18	16	13	11	9	7	10	13