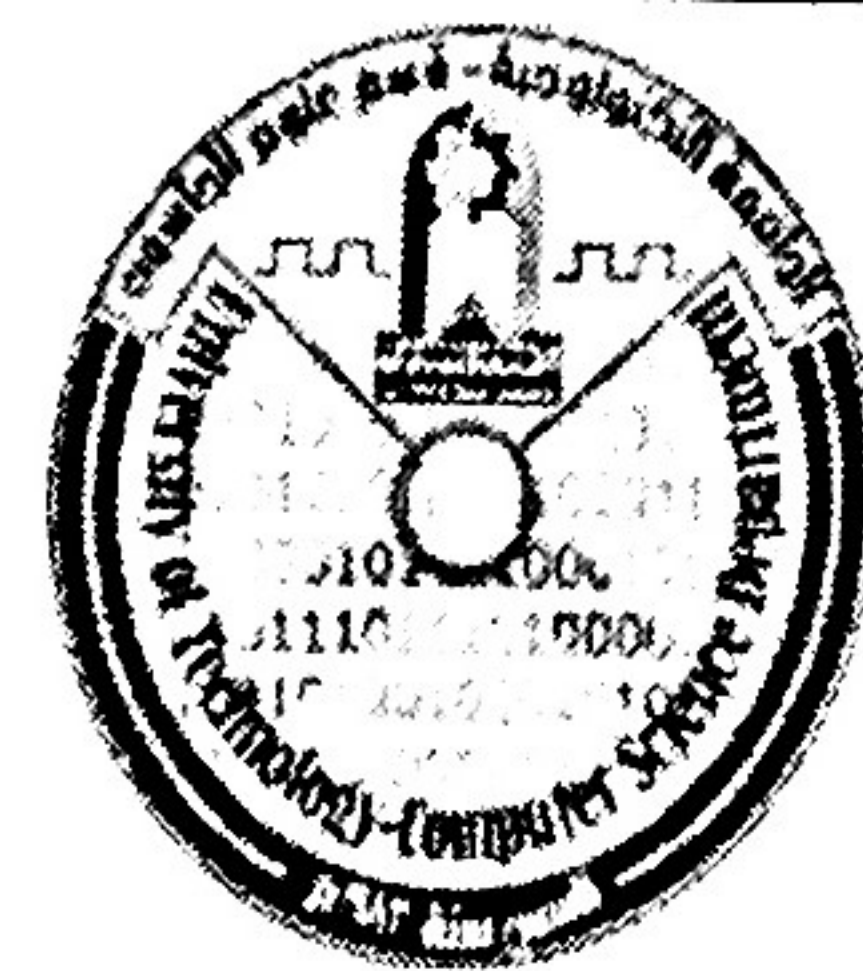


University of Technology
Department of Computer Science
Final Exam/Second Trial / 2016-2017



Subject: Statistics
Branch: Software & Networks
Examiner: Mohammed S. Rashid

Class: 1st/course (1)
Time: 3 Hour
Date: 09/2017

NOTE/Answer (Five) questions only (14 marks) for each question

Question 1:

- A- Define the following terms? (Descriptive Statistic, Sample, Continuous variable).
 B- The following data are expected score one the training N=6

785	456	123	789	741	852	543	731	985	376	490
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What is a grouped frequency distribution for this data?

Question 2:

In a school, there are 750 students in Year1, 420 students in Year 2 and 630 students in Year 3. Draw a circle graph to represent the numbers of students in these groups.

Question 3:

- A- How many combinations of 4 objectives are there, taken 2 at a time?
 B- Discuss how many ways 6-Digit password can be done?

Question 4:

- A- The number of police officers killed in the line of duty over the last 11 years is shown. Find the median, and mean.

177	153	122	141	189	155	162	165	149	157	240
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- B- Find the modal class for the frequency distribution of miles that 25 runners ran in one week.

Class	Frequency
5.5 – 10.5	5
10.5 – 15.5	2
15.5 – 20.5	2
20.5 – 25.5	4
25.5 – 30.5	7
30.5 – 35.5	1
35.5 – 40.5	4

Question 5: The corporate research and development centers for three local companies have the following number of employees:

U.S. Steel	Alcoa	Bayer Material Science
110	750	250

If a research employee is selected at random, find the probability that the employee is employed by U.S. Steel or Alcoa?

Question 6:

- A- A day of the week is selected at random. Find the probability that it is a weekend day?
 B- A coin is flipped and a die is rolled. Find the probability of getting a head on the coin and a 4 on the die?

{Good Luck }

Assistant Lecturer. Mohammed Sabah Rashid