



# DIGITAL ASSIGNMENT

## MAT2001-STATISTICS FOR ENGINEERS

SCHOOL OF ADVANCED SCIENCES

DEPARTMENT OF MATHEMATICS

WINTER SEMESTER-2019-20

Total marks: 10 marks

1.

- a) What is the aim of design of experiment?
- b) What do you mean by analysis of variance
- c) Explain completely randomized design briefly.
- d) What is the total number of all possible Latin squares of order 3?

2. For salesmen were posted in different areas by company. The number of units of commodity sold by them are as follows

A	20	23	28	29
B	25	32	30	21
C	23	28	35	18
D	15	21	19	25

On the basis of this information, can it be concluded that there is a significant difference in the performance of the four salesmen at 5% level of significance?