Final Exam   Date: April 26, 2019
Maximum marks: 60   Duration: 3 hours

Q1. Say True or False with justification.   [5 x 4 = 20]

a) Data quality is critical in problem solving exercise.

b) Simple problem solving tools can eliminate chronic quality issues.

c)While preparing the business case for a problem on hand, only tangible benefits need to be captured.

d) Implementation of control charts, promotes reduction of rejection/rework.

e) Cause and effect diagram is a tool for identifying root causes.

Q2. Explain the role of Regression Analysis in problem solving process.   [5]

Q3. Write short notes on any three.   [5 x 3 = 15]

a) Multivari Chart

b) Scatter Plot

c) Data Models

d) Sampling Methods

Q4.   [20 + 5 = 25]

a) It has been found that the non conformness are occurring in large quantity in a process. The brain storming on the possible reasons, led to the potential cause namely inadequate process capability. Outline the procedure for validations the same.

b) What method would you suggest to monitor and control the improved process?