**Rajasthan Institute of Engineering & Technology, Jaipur**

 **I Mid Term examination**

 **Session: 2018-19**

**V Semester Mechanical Engineering**

 **Subject – Quality Assurance and Reliability (5ME4A)**

Time: 2 hrs. SET-A M.M.:20

**Instruction for students:**

1. **No provision for supplementary answer book.**

Q.1What is the important dimensions of Quality? List them and explain with example?

OR

Q.1Write detailed note on Economics of Quality, Explain the different types of cost of Quality?

Q.2What is the Quality policy in terms of quality management? Also states its Objective & Benefits?

OR

Q.2What is the Significant of Discrete Distribution Function?

Q.3Write Short Notes on

1. Quality of Design

2. Quality of Conformance

3. Comparison between quality of Design & Conformance

OR

Q.3Write Short Notes on

1. Stem & Leaf plot

2. Probability Distribution.

Q.4 DEFINE the use of Frequency Distribution? Explain the areas of opportunity of Frequency Distribution?

OR

Q.4 what do you understand by Control Chart? Classify and explain them.

**Rajasthan Institute of Engineering & Technology, Jaipur**

**I Mid Term examination**

**Session: 2017-18**

**V Semester Mechanical Engineering**

 **Quality Assurance and Reliability (5ME4A)**

Time: 2 hrs. SET-B M.M.:20

**Instruction for students:**

1. **No provision for supplementary answer book.**

Q.1Write Short note on:

1. Binomial Distribution

2. Poisson Distribution

OR

Q. What is acceptance sampling? What is its procedure to make a decision of finalizing a

 sample to accept or reject.

Q.2What is the modeling process quality? What are the two ways to improve quality control?

OR

Q.2What is the Significance of Discrete Distribution Function?

Q.3 Define Histogram and its Construction?

OR

Q.3 Explain ANOVA with suitable example? Also write down its industrial Applications?

Q.4How can you define Variation? What are the types and reasons of variations? Explain them?

**OR**

Q.4 Write a Short on Numerical Summary of Data?