



**B.Sc. (Statistics) SEMESTER- V**

**Paper 1 (Statistical Quality Control and Linear Programming Problem)**

**Unit 1**

Statistical Quality Control:

<https://www.youtube.com/watch?v=T0S3D4e2Q4Y&list=PLTj8Y3qIWmgGR-gEE9zwx91L3JbI412Mr&index=1>

Control chart for variables and attributes:

<https://www.youtube.com/watch?v=yUnDWQ5GmaE>

Difference between Specification and control limits:

<https://www.youtube.com/watch?v=y8ooFEDDbVE>

**Unit 2**

Acceptance sampling plan (AQL, LTPD and OCC):

<https://www.youtube.com/watch?v=RSAsMaueGeo>

Producer risk and consumer risk: <https://www.youtube.com/watch?v=z1Lno2cG2S4>

Single and double sampling plan: <https://www.youtube.com/watch?v=daJ6X5LO9fo>

**Unit 3**

Continuous sampling plan: <https://www.youtube.com/watch?v=6MAbQzj3mJs&t=195s>

Linear programming problem:

<https://www.youtube.com/watch?v=knZrhVkZ71Q&list=PLU6SqdYcYsfLewoQPYjgg7SMBLjSV704v>

LPP Graphical Method:

<https://www.youtube.com/watch?v=2EvC1v1FI2k&list=PLU6SqdYcYsfLewoQPYjgg7SMBLjSV704v&index=2>

**Unit 4**

Simplex Method: <https://www.youtube.com/watch?v=01Iy2ZHOmNg>

<https://www.youtube.com/watch?v=NbP4ISg0LO>

Big M Method: [https://www.youtube.com/watch?v=TJFs6\\_abIBg](https://www.youtube.com/watch?v=TJFs6_abIBg)