



B.Sc. (Statistics) SEMESTER- VI

Paper 2 (Experimental Designs)

Unit 1

The theory of linear estimation: <https://youtu.be/tndcShm5xAg?si=VQ-aoS-l-mzVwTVu>

Gauss- Markoff's theorem: https://youtu.be/Xe_yAXiPvF4?si=pvZrAutqDNERwKM3

Analysis of variance: <https://youtu.be/OypCNBPmGBY?si=oiO75GIHvCP9P7Ie>

Unit 2

Design of Experiments: <https://youtu.be/k3IUo0XYG3E?si=jTbXzy7XiUwgmVVu>

Uniformity trials: https://youtu.be/OKRz9lUX3qw?si=QVTbLsU_qx8PwobC

Analysis of completely randomized design:
<https://youtu.be/BzkUy6lTY28?si=Ypggn6FGZNybrwYA>

Unit 3

Randomized block: <https://youtu.be/10ikXret7Lk?si=LT9XSyrubyT0caOY>

Latin square design: https://youtu.be/QL_hUu47_og?si=e7RBRuL3bZvYBYcn

Estimation of efficiencies: <https://youtu.be/bJzZKB-1x8s?si=7fj6cwPIS1EEvYD0>

Unit 4

Factorial experiments: https://youtu.be/orl3r0VDNpw?si=-TQrTzOFeT1RH_MH

Yates' method: <https://youtu.be/ymAwxGpHErs?si=SC9BR0yVUo74WEtF>

One-way, Two-way ANOVA: <https://youtu.be/nvAMVY2cmok?si=WQ-eCWFGquMfCij>