# ASSIGNMENT
## Sem-5 (Statistics)

Q.1] Explain probability mass function of Poisson distribution and give its properties.

Q.2] Define integration and definite integration. And write down some standard result of integration.

Q.3] Explain:

  (1) Theory of runs & $3\sigma$ control limits.

  (2) Difference between variable charts and attributes charts.

Q.4] What is single sampling plan? And explain following term.

  (i) Producer's risk, (ii) Consumer's risk, (iii) ATI, (iv) AOQ.