The accepting sampling problem, single sampling plan for attributes, Double, Multiple, and sequential

## Unit-1

# 1 Element of TOM concept / Deming's 14 principles of Management

\* 2) Explain Gurus of Tam

il shewart ii) Deming ni) Joseph M. Juvan

3) Meaning of Quality & Quality improvement

\* 4) Relation 6/w Quality & productivity

7 5) Cost of Quality

& 6) Duality methodology

### Unit-11

\* 1) Problems on - mean, median, mode & std. deviation

2) Calculating area and 2-score using normal distribution curve

x (3) Central limit theorm

\* (4) Deming funnel experiment

x 5) x-bar G R chart - Problems (Revised type)

\* (6) Type-1 & II Errors

#### Unit -111

\* U Binomial & Poission distributions

x 2) Fraction defective - P-chart

\$ 3) number of fraction defective-np-clost)

(4) Control Charte for non Confirmition defects - c-hart

yery important

- (3) number of non confirmition/defects U-chart
- process capability, capability index,
  process performance capability, pp index

# unit-4

- \* 1) Theory Double, Multiple and sequential sampling
- & C) charactoristics of Oc curve
- & 3) Einstruction of OC curve (AOQL, LTPD, RQL)
- \* (4) Oc curve numericals
  - \* (5) double sampling & sequential planning numericals
    - 6) Quality Control & Reliability
    - X 7) Failure rate curve (Bath tub Curve)
      - 8) FACA
    - 4 9) Availability y single repairable system using markor model

## unit 5

- y U Fault tree analysis
- & C) Failure rate 9 Hazard function, Const Hazard model
- x 3> system Reliability

car Series (6) Paralled, (c) mixed

- & (4) numericals Series & parallel system
- maintainability ( Mean time to failure (MTTF)

  (maintainability 4 ) mean time to repair (MTTR)

  availability) mean time by Failur (MTBF)