

## **TUTORIAL-1**

<b>Sr.No</b>	
<b>1.</b>	What is P.P.C.? Give the major objectives of the same.
<b>2.</b>	Describe the functions of production planning and control in brief.
<b>3.</b>	Define scheduling. Describe the factors affecting Scheduling.
<b>4.</b>	Name the various types of production system. Differentiate between “job order production and “batch production” system.
<b>5.</b>	Discuss – Assembly line Balancing.

## TUTORIAL-2

Sr.No	
1.	What is Productivity? Give various ways to improve productivity and also Explain at least one way, with the help of suitable example
2.	What is Productivity? Discuss the factors affecting the productivity of the manufacturing organization.
3.	Define work study. State its objectives.
4.	Define Method Study. Discuss the objectives of method study.
5.	Differentiate between Micro & Macro motion study. Explain in brief various techniques for micro motion study.
6.	Write a note on (Any Two). a. Flow process chart b. String Diagram c. Two handed process chart
7.	What is Work measurement? List the various techniques of work measurement and also explain how the Standard time is calculated.
8.	Define work sampling. State its applications, advantages and disadvantages.
9.	State and explain in brief the various allowance to be considered while estimating the standard time.

## TUTORIAL-3

Sr.No	
1.	Define following terms : A. Quality B. Quality control C. Quality assurance D. Reliability E. Quality audit F. Inspection G. T.Q.M.
2.	What is Quality? State the important objectives of Quality Control
3.	Enlist different models of TQM and discuss about any one briefly.
4.	What is term S.Q.C.? Explain operating characteristic curves for acceptance sampling.
5.	State the advantages of S. Q. C. what attribute and variable quality characteristics are.
6.	What is an OC curve? Explain the step-by-step procedure for the construction of an OC curve.
7.	Describe POKA YOKE technique briefly.
8.	What is SWOT analysis? State benefits of SWOT analysis to any organization.
9.	What is 5's in TQM? How does it help in improving the quality of products or services?
10.	Explain Taguchi loss function in details.

<b>11.</b>	Explain concept of KAIZEN.
<b>12.</b>	Explain - Zero Defect
<b>13.</b>	Explain BENCHMARKING.
<b>14.</b>	Explain the concept of $6\sigma$ in brief and its importance.
<b>15.</b>	What is Quality Circles? Discuss its basic philosophy.
<b>16.</b>	Classify 9 Dimensions of quality & explain it.
<b>17.</b>	Explain customer satisfaction & retention model.
<b>18.</b>	Explain concept of internal quality audit.
<b>19.</b>	Explain the procedures involved in ISO 9000 certification. Write in two sentences that What ISO 14000 series quality standards represents?
<b>20.</b>	What is cost of Quality? Explain Failure Cost and Appraisal Cost.
<b>21.</b>	Discuss "TQM Implementation Strategy".

## **TUTORIAL-4**

<b>Sr.No</b>	
<b>1.</b>	Explain Bathtub curve.
<b>2.</b>	Explain Hazard rate.
<b>3.</b>	Explain cumulative probability distribution system.
<b>4.</b>	Explain Reliability probability distribution system.
<b>5.</b>	Explain Failure mode and effect analysis (FMEA)

## **TUTORIAL-5**

<b>Sr.No</b>	
<b>1.</b>	Explain Supply chain management.
<b>2.</b>	Explain Procurement and purchasing.
<b>3.</b>	Explain tender process.
<b>4.</b>	Explain Economic quantity (EOQ).
<b>5.</b>	Explain Kanban.

## **TUTORIAL-6**

<b>Sr.No</b>	
<b>1.</b>	Explain PERT.
<b>2.</b>	Explain CPM.
<b>3.</b>	Explain Linear programming and solution with simplex method.
<b>4.</b>	Explain Transportation problem and linear form.
<b>5.</b>	Explain Least-cost method of allocation.
<b>6.</b>	Explain Vogel's approximation method of allocation.
<b>7.</b>	Explain the Assignment problem.