

4	Define mixed model assemblies.
5	Elaborate mixed model assembly lines
6	Justify the importance of material handling.
7	Distinguish between Group technology and flexible manufacturing.
8	Discuss the reasons for Scheduling.
9	Identify any two duties of shop floor control.
10	Define concurrent engineering.

### Part-B

Answer All the following questions.

(10MX 5=50Marks)

11	What is lean production? Explain the objectives of flow line production
	OR
12	What is the difference between a closed loop control system and open loop control system?
13	Evaluate the importance of recirculating conveyor.
	OR
14	Evaluate the importance of automated storage system
15	Analyze the components of manufacturing system.
	OR
16	Explain the manual assembly lines.
17	Explain automated assembly systems.
	OR
18	Briefly define the two basic types of inspections.
19	What is quality control testing as distinguished from inspection?
	OR
20	What are the quality function deployment.



11	Explain automation principles and strategies.
	OR
12	What is the difference between a closed loop control system and open loop control system?
13	Evaluate the importance of recirculating conveyor.
	OR
14	Evaluate the importance of automated storage system
15	Analyze the components of manufacturing system.
	OR
16	Explain the automated production lines.
17	Explain automated assembly systems.
	OR
18	Briefly explain the two basic types of inspections.
19	What is quality control testing as distinguished from inspection?
	OR
20	What are the manufacturing support system.



1	What is production system?
2	Explain automation principles.
3	What is industrial control?
4	Explain barcode technology.
5	Elaborate mixed model assembly lines
6	Justify the importance of material handling.
7	Distinguish between Group technology and flexible manufacturing.
8	Discuss the single stage manufacturing system.
9	Identify any two duties of shop floor control.
10	Define concurrent engineering.

#### Part-B

(10MX 5=50Marks)

Answer All the following questions.

11	Explain hard ware components for automation and process control
	OR
12	What is the difference between a closed loop control system and open loop control system?
13	Explain automated storage system.
	OR
14	Explain the automatic identification methods.



15	Analyze the components of manufacturing system.
	OR
16	Explain the automated production lines.
17	Explain automated assembly systems.
	OR
18	Briefly define the two basic types of inspections.
19	What is quality control testing as distinguished from inspection?
	OR
20	Explain computer aided process planning.