

INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous) Dundigal, Hyderabad -500 043

MECHANICAL ENGINEERING

TUTORIAL QUESTION BANK

Course Title	FLEXIBLE MANUFACTURING SYSTEM				
Course Code	BCCB23				
Programme	M.Tech				
Semester	III	CADCAM			
Course Type	Professional Elective- V				
Regulation	IARE - R18				
	Theory			Practical	
Course Structure	Lectures	Tutorials	Credits	Laboratory	Credits
	3	-	3	-	-
Chief Coordinator	Mr. B.Vijaya Krishna, Assistant Professor				
Course Faculty	Mr. B.Vijaya Krishna, Assistant Professor				

COURSE OBJECTIVES:

The course should enable the students:				
Ι	Understanding of modern trends in design and manufacturing using CAD/CAM			
II	Apply performance analysis techniques.			
III	Understand preventive maintenance procedures in manufacturing.			

COURSE OUTCOMES (COs):

CO 1	To expose the student to the different types of manufacturing available today such as the Special Manufacturing System, the Manufacturing Cell, and the Flexible Manufacturing System
CO 2	To learn the fundamentals of computer assisted numerical control programming and programming languages
CO 3	Understanding the modeling, design and simulation of complex systems
CO 4	The common CAD/CAM data base organized to serve both design and manufacturing
CO 5	To practice the PLC control devices and CNC operation skills

BCCB23.01	Understand the basic concepts of Flexible manufacturing system
BCCB23.02	Apply the concept of system design procedures to different levels of production.
BCCB23.03	Identify the system modeling issues and control them
BCCB23.04	Apply the concept of scheduling
BCCB23.05	Understand and Apply system modeling techniques
BCCB23.06	Distinguish between continuous and discrete modeling techniques
BCCB23.07	Design models of manufacturing systems
BCCB23.08	Analysis of performance of manufacturing system
BCCB23.09	Understand the preventative maintenance
BCCB23.10	Understand the basic concepts of flexible manufacturing
BCCB23.11	Apply the concept of system design procedures to different levels of production.
BCCB23.12	Identify the system modeling issues and control them
BCCB23.13	Understand and apply system modeling techniques
BCCB23.14	Distinguish between continuous and discretemodeling techniques
BCCB23.15	Design models of manufacturing systems

COURSE LEARNING OUTCOMES (CLOs):

	UNIT-I					
	FLEXIBLE MANUFACTURIN	NG SYSTEMS				
	Part - A (Short Answer Questions)					
S No	QUESTION	Blooms Taxonomy Level	Course Outcomes	Course Learning Outcomes		
1	What are the activities of FMS?	Remember	CO1	BCCB23.01		
2	What is the input-output model?	Remember	CO1	BCCB23.02		
3	Define system?	Understand	CO1	BCCB23.03		
4	What is FMS?	Remember	CO1	BCCB23.01		
5	What is basic problem?	Remember	CO1	BCCB23.02		
6	What are the limitations of FMS?	Understand	CO1	BCCB23.03		
7	What are the functions of manufacturing?	Remember	CO1	BCCB23.02		
8	What is multi product?	Remember	CO1	BCCB23.03		
9	What are small batch manufacturing?	Understand	CO1	BCCB23.01		
10	What are the components of FMS?	Remember	CO1	BCCB23.02		
11	Discuss the objectives of FMS?	Remember	CO1	BCCB23.03		
12	What are the types of layout configuration in FMS?	Understand	CO1	BCCB23.01		
13	What is the difference between a dedicated FMS and a random-order FMS?	Remember	CO1	BCCB23.03		
14	List out any two advantages and disadvantages of FMS implementation.	Remember	CO1	BCCB23.01		
15	How the FMS is classified based on level of flexibility?	Understand	CO1	BCCB23.02		
16	How the FMS is classified based on number of machines?	Understand	CO1	BCCB23.02		
17	Describe different types of FMS?	Remember	CO1	BCCB23.03		
18	Illustrate the benefits of FMS.	Understand	CO1	BCCB23.01		
19	What are the components of AGVS?	Remember	CO1	BCCB23.03		
	Part - B (Long Answer Question	ons)				
1	What are the principle objectives of FMS?	Remember	CO1	BCCB23.01		
2	What are various advantages and disadvantages of FMS implementation?	Remember	CO1	BCCB23.02		
3	Explain the Innovations that have advanced the manufacturing industries?	Remember	CO1	BCCB23.03		
4	Explain the area of applications of FMS in an industry.	Remember	CO1	BCCB23.01		
5	Explain Innovations that have advanced the manufacturing industries.	Remember	CO1	BCCB23.02		
6	Explain concepts of FMS?	Remember	CO1	BCCB23.03		
7	Discuss different types of FMS layouts.	Remember	CO1	BCCB23.01		
8	Write the types of methods of traffic control in AGV system.	Remember	CO1	BCCB23.02		
9	Explain the different AGVS guidance system	Remember	CO1	BCCB23.03		
10	Explain the vehicle guidance technology and its applications in industries.	Remember	CO1	BCCB23.01		
11	Enumerate various types of AGVZ applications	Remember	CO1	BCCB23.03		
12	Differentiate between processing operation and assembly operation?	Remember	CO1	BCCB23.01		

13	Differentiate between single Machine cell and flexible Machine Cell.	Remember	CO1	BCCB23.03
14	Explain the terms Dedicated FMS and Random Order FMS.	Remember	CO1	BCCB23.01
15	Explain the components of Flexible Manufacturing systems with neat diagram	Remember	CO1	BCCB23.02
16	Explain the hardware components of Flexible Manufacturing systems with neat diagram	Remember	CO1	BCCB23.03
17	Explain Layout configuration of Flexible Manufacturing system	Remember	CO1	BCCB23.01
18	Explain the Principles of scheduling	Remember	CO1	BCCB23.02
19	Explain the term job shops with neat diagram.	Remember	CO1	BCCB23.02
20	Explain the advantage and dis advantages of Process Layouts	Remember	CO1	BCCB23.03
	Part - C (Problem Solving and Critical Thi	nking Question	ns)	
1	Explain the AIMS of FMS.	Remember	CO1	BCCB23.02
2	Explain various equipment's and their functions required for FMS.	Analyze	CO1	BCCB23.03
3	Describe in detail innovations that have advanced in manufacturing industries with suitable examples?	Remember	CO1	BCCB23.01
4	Explain CIM technology.	Remember	CO1	BCCB23.02
5	Explain the hierarchy of the CIM.	Understand	CO1	BCCB23.03
6	Explain flow shops and enumerate the advantages and disadvantages of Product Layout.	Remember	CO1	BCCB23.01
7	Explain Project shop and enumerate the advantages and disadvantages of Project Layout.	Remember	CO1	BCCB23.02
8	Explain Linked Cell Manufacturing Systems	Analyze	CO1	BCCB23.03
9	Differentiate between CIM and Cell Manufacturing systems	Remember	CO1	BCCB23.01
10	Explain FMS classification based Flexibility level	Remember	CO1	BCCB23.01
	UNIT - II			
	SYSTEM MODELING ISSU	JES		
	Part – A (Short Answer Quest	ions)		
S No	QUESTION	Blooms Taxonomy Level	Course Outcomes	Course Learning Outcomes
1	What is real time?	Remember	CO2	BCCB23.04
2	What is discrete event control?	Understand	CO2	BCCB23.05
3	Discuss about scheduling approach.	Remember	CO2	BCCB23.06
4	What are conflicts? Discuss about conflicts.	Remember	CO2	BCCB23.04
5	What is forward scheduling approach?	Remember	CO2	BCCB23.05
6	What is real time?	Remember	CO2	BCCB23.06
7	What is concurrency?	Remember	CO2	BCCB23.04
8	Write about synchronization.	Remember	CO2	BCCB23.05
9	What is modelling of absorbing states?	Understand	CO2	BCCB23.06
10	Write about deadlocks with examples if any.	Understand	CO2	BCCB23.04
11	Define the term centralized control system	Remember	CO2	BCCB23.04
12	Define the term distributed control system	Remember	CO2	BCCB23.05
13	Explain the term Real-time control system	Understand	CO2	BCCB23.06

14	Explain the term discrete event control system	Remember	CO2	BCCB23.06
15	Enumerate the term Forward scheduling approaches	Remember	CO2	BCCB23.04
16	Enumerate the term backward scheduling approaches	Understand	CO2	BCCB23.05
19	Write a short note on modeling of absorbing states	Understand	CO2	BCCB23.05
20	Discuss about modeling of deadlocks.	Remember	CO2	BCCB23.06
	Part - B (Long Answer Quest	ions)		
1	Discuss in detail about the principle of system modelling.	Understand	CO2	BCCB23.04
2	Compare and contrast centralized control system versus distributed control system.	Understand	CO2	BCCB23.05
3	Explain in detail about different system modelling issues.	Understand	CO2	BCCB23.06
4	Differentiate between real time control vs discrete event control.	Understand	CO2	BCCB23.04
5	Explain forward scheduling approaches with infinite capacity loading.	Understand	CO2	BCCB23.05
6	Differentiate the forward scheduling vs backward scheduling approaches.	Remember	CO2	BCCB23.06
7	Differentiate between conflicts, concurrency and synchronization.	Remember	CO2	BCCB23.04
8	Differentiate between Centralized versus distributed control systems	Understand	CO2	BCCB23.06
9	Differentiate between Forward vs. backward scheduling approaches with finite capacity loading.	Understand	CO2	BCCB23.04
10	Differentiate Forward vs. backward scheduling approaches with infinite capacity loading	Remember	CO2	BCCB23.05
11	Explain the Modeling of absorbing states and deadlocks.	Remember	CO2	BCCB23.06
12	Distinguish between Conflicts, Concurrency, and synchronization	Understand	CO2	BCCB23.04
13	Discuss the various applications of conflicts.	Understand	CO2	BCCB23.05
14	State the advantages and disadvantages of centralized control system.	Remember	CO2	BCCB23.06
15	Enumerate the advantages and disadvantages of distributed control system	Remember	CO2	BCCB23.04
16	State the advantages and disadvantages of forward scheduling approaches with finite capacity loading	Understand	CO2	BCCB23.05
17	Explain the advantages and disadvantages of backward scheduling approaches with finite capacity loading	Understand	CO2	BCCB23.06
18	Discuss various modelling approaches of absorbing states .	Remember	CO2	BCCB23.04
19	Explain the advantages and dis advantages of real time event control.	Remember	CO2	BCCB23.05
20	Explain the advantages and disadvantages of discrete event control.	Remember	CO2	BCCB23.05

	Part – C (Problem Solving and Critical Thinking)				
1	Differentiate between finite and infinite capacity loading.	Remember	CO2	BCCB23.04	
2	Discuss the advantages and disadvantages of synchronization.	Remember	CO2	BCCB23.05	
3	Discuss about modelling of deadlocks.	Understand	CO2	BCCB23.06	
4	Discuss the issues about centralized control.	Remember	CO2	BCCB23.04	
5	Differentiate between centralized versus distributed control.	Understand	CO2	BCCB23.05	
6	Explain the term centralized control system with its application and also State the advantages and disadvantages of centralized control system	Remember	CO2	BCCB23.04	
7	Discuss the distributed control system with its applications and also Enumerate the advantages and disadvantages of distributed control system	Remember	CO2	BCCB23.05	
8	Explain the term real time event control and also discuss its advantages and disadvantages of real time event control.	Understand	CO2	BCCB23.06	
9	Explain the term discrete event control method with neat diagram	Remember	CO2	BCCB23.04	

	and also discuss its advantages and disadvantages of discrete event			
	control			
10	Discuss backward scheduling approaches along with the advantages and disadvantages of backward scheduling approaches with finite capacity loading	Understand	CO2	BCCB23.05

	UNIT -III			
	SYSTEM MODELING TOOLS AND	TECHNIQUES	5	
	Part – A (Short Answer Que	stions)		
S No	QUESTION	Blooms Taxonomy Level	Course Outcomes	Course Learning Outcomes
1	What is system modeling tool?	Understand	CO3	BCCB23.07
2	What is mathematical modeling?	Understand	CO3	BCCB23.08
3	What is optimization?	Remember	CO3	BCCB23.09
4	Write short note on simulation?	Understand	CO3	BCCB23.07
5	Write briefly about Petri nets	Remember	CO3	BCCB23.08
6	Write about different modeling methods.	Understand	CO3	BCCB23.09
7	Write about M/M/1 queue.	Understand	CO3	BCCB23.07
8	Write about M/M/m queue.	Remember	CO3	BCCB23.08
9	What are modeling techniques?	Understand	CO3	BCCB23.09
10	What is Markov chain?	Understand	CO3	BCCB23.07
11	What are the stochastic models?	Understand	CO3	BCCB23.08
12	Define the term continuous mathematical modeling	Remember	CO3	BCCB23.09
13	Define the term discrete mathematical modeling	Understand	CO3	BCCB23.07
14	What are Markov processes?	Remember	CO3	BCCB23.07
15	Write short note on transfer line.	Understand	CO3	BCCB23.08
16	List out the different types of transfer lines	Remember	CO3	BCCB23.09
17	State the application of Petri nets	Understand	CO3	BCCB23.07
18	List out the applications of M/M/1 queue.	Understand	CO3	BCCB23.08
19	List out the applications of M/M/m queue.	Remember	CO3	BCCB23.09
	Part – B (Long Answer Que	stions)		
S No	QUESTION	Blooms Taxonomy Level	Course Outcomes	Course Learning Outcomes
1	Write about issues related to deterministic.	Understand	CO3	BCCB23.07
2	Write about issues related to stochastic models.	Understand	CO3	BCCB23.08
3	Explain about basic concepts of markov chains.	Understand	CO3	BCCB23.09
4	Briefly explain about Montecarlo method.	Remember	CO3	BCCB23.07

Write about the continuous and discrete mathematical modelling

Explain in detail different techniques of mathematical modeling.

Differentiate between deterministic and stochastic models.

5

6

7

methods.

BCCB23.08

BCCB23.09

BCCB23.07

Understand

Understand

Remember

CO3

CO3

CO3

8	Describe the M/M/m queue procedure with suitable example	Understand	CO3	BCCB23.07
9	Explain the modelling techniques used in flexible manufacturing sectors	Understand	CO3	BCCB23.08
10	Describe the markov chain Process with suitable example	Remember	CO3	BCCB23.09
11	Explain the stochastic models of FMS	Understand	CO3	BCCB23.07
12	Explain Continuous mathematical modeling method	Understand	CO3	BCCB23.07
13	Explain discrete mathematical modeling method	Understand	CO3	BCCB23.08
14	Enumerate briefly the Markov chains and its applications	Remember	CO3	BCCB23.09
15	Describe Markov processes with neat sketch	Understand	CO3	BCCB23.07
16	Explain various types of transfer lines.	Understand	CO3	BCCB23.07
17	List out the different types of transfer lines	Remember	CO3	BCCB23.08
18	Explain applications of Petri nets	Understand	CO3	BCCB23.09
19	Explain any two applications of M/M/1 queue.	Understand	CO3	BCCB23.07
20	Explain any two applications of M/M/m queue.	Remember	CO3	BCCB23.07
	Part – C (Problem Solving and Critic	al Thinking)		
1	What are system modelling techniques?	Understand	CO3	BCCB23.07
2	Differentiate between M/M/1 and M/M/m queues.	Remember	CO3	BCCB23.08
3	Differentiate between Continuous and discrete mathematical modeling methods with suitable examples	Understand	CO3	BCCB23.09
4	Differentiate between Markov chains and processes.	Remember	CO3	BCCB23.07
5	Explain the concepts of transfer lines	Understand	CO3	BCCB23.07
6	Describe briefly the modelling techniques used in flexible manufacturing sectors	Remember	CO3	BCCB23.08
7	Describe the markov chain Process with suitable example	Understand	CO3	BCCB23.09
8	Explain the deterministic and stochastic models	Understand	CO3	BCCB23.07
9	Explain t the continuous mathematical modelling methods and its advantages and disadvantages	Remember	CO3	BCCB23.08
10	Explain t the discrete mathematical modelling methods and its advantages and disadvantages	Remember	CO3	BCCB23.09
	UNIT -IV			
	PERFORMANCE ANA	ALYSIS		
	Part - A (Short Answer Q	uestions)		
S No	QUESTION	Blooms	Course	Course
		Level	Outcomes	Outcomes
1	Write about performance analysis.	Understand	CO4	BCCB23.10
2	Write the commitment and motivation for the task.	Remember	CO4	BCCB23.11
3	Write about competing priorities?	Understand	CO4	BCCB23.12
4	Write about the performance standards?	Understand	CO4	BCCB23.10
5	Write about the appropriate behaviour.	Remember	CO4	BCCB23.11
6	What is the principle of performance analysis?	Understand	CO4	BCCB23.12
7	List the applications of PLCs in CNC machines.	Understand	CO4	BCCB23.12
8	Name the different four different approaches used in Quantitative Analysis of Flexible Manufacturing Systems	Remember	CO4	BCCB23.10
9	What are Deterministic models?	Understand	CO4	BCCB23.11
10	What are Queuing models?	Understand	CO4	BCCB23.10
11	What is Discrete event simulation?	Remember	CO4	BCCB23.11

12	What are the Other techniques used in Performance analysis of EMS	Understand	CO4	BCCB23.11
13	State the applications of Deterministic models	Understand	CO4	BCCB23.10
14	State the applications of Queuing models	Remember	CO4	BCCB23.11
15	State the applications of Discrete event simulation	Understand	CO4	BCCB23.11
16	State the applications of Deterministic models	Understand	CO4	BCCB23.12
17	List out the advantages of Deterministic models	Remember	CO4	BCCB23.12
18	List out the advantages of Queuing models	Understand	CO4	BCCB23.11
19	List out the advantages of Discrete event simulation	Understand	CO4	BCCB23.12
20	List out the disadvantages of Discrete event simulation	Remember	CO4	BCCB23.11
	Part - B (Long Answer Questio	ons)		
1	Explain about the inefficient work flow processes?	Understand	CO4	BCCB23.10
2	Explain about the tools, equipment or resources capabilities.	Understand	CO4	BCCB23.11
3	Explain the application performance analysis.	Remember	CO4	BCCB23.12
4	Explain the transient analysis of manufacturing.	Remember	CO4	BCCB23.10
5	Explain the manufacturing system analysis.	Remember	CO4	BCCB23.11
6	Discuss about that information too complex to be useful and effective?	Understand	CO4	BCCB23.12
7	Explain briefly the various approaches used quantitative analysis of Flexible manufacturing systems.	Understand	CO4	BCCB23.11
8	Differentiate between deterministic models and queuing models	Understand	CO4	BCCB23.12
9	Differentiate between deterministic models and discrete event simulation	Remember	CO4	BCCB23.10
10	Differentiate between Queuing models and Discrete event simulation	Understand	CO4	BCCB23.11
11	Explain briefly about performance analysis.	Remember	CO4	BCCB23.12
12	Explain the procedure used in commitment and motivation for the task.	Understand	CO4	BCCB23.10
13	Describe briefly about competing priorities	Understand	CO4	BCCB23.11
14	Explain the performance standards of Flexible manufacturing system	Understand	CO4	BCCB23.12
15	Explain briefly about the appropriate behaviour.	Remember	CO4	BCCB23.10
16	Describe the principle of performance analysis.	Understand	CO4	BCCB23.11
17	Explain the approaches used in performance analysis of FMS.	Understand	CO4	BCCB23.12
18	Explain the approaches used in Transient analysis of FMS.	Remember	CO4	BCCB23.10
19	Differentiate between performance analysis and transient analysis of FMS.	Understand	CO4	BCCB23.12
20	Explain the advantages of performance analysis over transient analysis of FMS.	Remember	CO4	BCCB23.10
	Part – C (Problem Solving and Critica	l Thinking)		
1	Discuss about transient analysis of manufacturing systems.	Analyze	CO4	BCCB23.12
2	Write about the working with inefficient work flow processes?	Analyze	CO4	BCCB23.10
3	Explain about appropriate levels of accountability for outcomes?	Remember	CO4	BCCB23.11
4	Write about receiving inaccurate, inferior or outdated information?	Understand	CO4	BCCB23.12
5	Explain the four different approaches used in Quantitative Analysis of Flexible Manufacturing Systems	Remember	CO4	BCCB23.12
6	Explain the different approaches used in performance Analysis of Flexible Manufacturing Systems	Understand	CO4	BCCB23.10

7	Explain briefly the various approaches used transient analysis of	Remember	CO4	BCCB23.11			
8	Flexible manufacturing systems.	Understand	C04	BCCB23 12			
9	Discuss briefly about deterministic models and discrete event	Remember	CO4 CO4	BCCB23.10			
10	Simulation Discuss briefly about queuing models and discrete event simulation	Remember	CO4	BCCB23.11			
	UNIT -V						
PREVENTIVE MAINTENANCE							
Part - A (Short Answer Questions)							
S No	QUESTION	Blooms	Course	Course			
		Taxonomy	Outcomes	Learning			
1		Level	C05	Outcomes			
1	Define process maintenance.	Understand	005	BCCB23.13			
2	Write the various maintenance issues.	Understand	CO5	BCCB23.14			
3	What are the preventives?	Understand	CO5	BCCB23.15			
4	What is the objective of Preventive Maintenance	Understand	CO5	BCCB23.13			
5	Why should you consider Preventive Maintenance on a new vehicle?	Remember	CO5	BCCB23.14			
6	What is "Break Down Maintenance"?	Understand	CO5	BCCB23.15			
7	What are typical preventive maintenance items?	Remember	CO5	BCCB23.13			
8	What is Preventive Maintenance?	Understand	CO5	BCCB23.15			
9	Why should you consider Preventive Maintenance on a new system	Understand	CO5	BCCB23.13			
10	What does an unscheduled stop cost you? What is so problematic with "Break Down Maintenance"?	Remember	CO5	BCCB23.14			
11	What is a factor that is considered in implementing a preventative maintenance plan	Understand	CO5	BCCB23.15			
12	What is a potential benefit of preventative maintenance	Remember	CO5	BCCB23.13			
13	Classify various planned maintenance approach.	Understand	CO5	BCCB23.14			
14	Define corrective maintenance approach.	Understand	CO5	BCCB23.15			
15	List the objectives of corrective maintenance?	Remember	CO5	BCCB23.13			
16	What is meant by reliability centered maintenance (RCM)?	Understand	CO5	BCCB23.14			
17	What is total productive maintenance and discuss its similarities with TQM?	Understand	CO5	BCCB23.15			
18	What is meant by reliability centered maintenance?	Remember	CO5	BCCB23.13			
19	What is limitation of breakdown maintenance?	Remember	CO5	BCCB23.14			
20	Name the various stakeholders of maintenance scheduling.	Understand	CO5	BCCB23.13			
Part -	B (Long Answer Questions)						
1	What does an unscheduled stop cost you? What is so problematic with "Break Down Maintenance"?	Understand	CO5	BCCB23.13			
2	Why should your dealership perform the Preventive	Remember	CO5	BCCB23.14			
	Maintenance on your vehicle?						
3	What benefits can you realize with a dealer Preventive	Understand	CO5	BCCB23.15			
	Maintenance Program?	XX 1					
4	Are all maintenance items now eligible for FA?	Understand	CO5	BCCB23.13			
5	Why does that make it eligible for federal aid funding?	Remember	CO5	BCCB23.14			
6	Explain various planned maintenance approach such as preventive maintenance, corrective maintenance, predictive maintenance	Understand	CO5	BCCB23.15			
7	Explain the various objectives of corrective maintenance?	Understand	CO5	BCCB23.13			
8	Explain the Maintenance Scheduling.	Remember	CO5	BCCB23.15			

9	Explain the Predictive Maintenance	Understand	CO5	BCCB23.13		
10	Describe how can PDM save money?	Remember	CO5	BCCB23.13		
11	Why use Vibration for PDM?	Understand	CO5	BCCB23.13		
12	Explain the various types of Vibration are there?	Understand	CO5	BCCB23.15		
13	Explain kanban system	Remember	CO5	BCCB23.13		
14	What are kanban values	Understand	CO5	BCCB23.15		
15	What are kanban Agendas	Understand	CO5	BCCB23.13		
16	What are the Foundational Principles of Kanban	Remember	CO5	BCCB23.14		
17	Define little law.	Understand	CO5	BCCB23.15		
18	What are the general practices of kanban?	Understand	CO5	BCCB23.13		
19	What is Systems Thinking Approach to Introducing Kanban (STATIK).	Remember	CO5	BCCB23.14		
20	Mention some of the key differences between scrum and Kanban?	Understand	CO5	BCCB23.13		
Part – C (Problem Solving and Critical Thinking)						
1	Explain about kanban system and its advantages and disadvantages.	Understand	CO5	BCCB23.13		
2	Explain the limitations of breakdown maintenance?	Remember	CO5	BCCB23.14		
3	Explain about applications of preventive maintenance.	Understand	CO5	BCCB23.15		
4	On what principle does Kanban works on? Explain the principles with suitable examples	Understand	CO5	BCCB23.15		
5	Mention what is "Power-Ups" in Kanban? What are the different types of "Power-Ups"?	Remember	CO5	BCCB23.13		
6	Explain how you can link a card together in Kanban?	Understand	CO5	BCCB23.14		
7	Explain what is the best way to track progress when using Kanban?	Understand	CO5	BCCB23.15		
8	Explain why Scrumban is preferred more over Kanban?	Remember	CO5	BCCB23.13		
9	Is it possible to generate Kanban labels from trac tickets?	Understand	CO5	BCCB23.14		
10	Differentiate between scrum and Kanban?	Understand	CO5	BCCB23.13		

Prepared by: Mr. B.Vijaya Krishna, Assistant Professor

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