INSTITUTE OF AERONAUTICAL ENGINEERING



Dundigal, Hyderabad - 500 043

MECHANICAL ENGINEERING

TUTORIAL QUESTION BANK

Course Title	PRO	PRODUCTION PLANNING AND CONTROL					
Course Code	AME5	18					
Programme	B.Tech	Į					
Semester	VIII	/III ME					
Course Type	Core						
Regulation	IARE	- R16	5				
	Theory				Practical		
Course Structure	Lectu	ires	Tutorials	Credits	Laboratory	Credits	
	3		1	4	-	-	
Chief Coordinator	Mr. V. Mahidhar Reddy, Assistant Professor, ME						
Course Faculty	Mr. V	. Ma	hidhar Reddy	, Assistant l	Professor, ME		

COURSE OBJECTIVES:

The cour	The course should enable the students to:						
I	Understand the PPC function in industrial manufacturing scenario.						
II	Apply forecasting techniques for different types of products.						
III	Knowledge in optimal inventory control and capacity planning.						

COURSE OUTCOMES (COs):

- CO 1 : Understanding and appreciation of the principles and applications relevant to the planning, design, and operations of manufacturing/service firms
- CO 2 : Develop skills necessary to effectively analyze and synthesize the many inter-relationships inherent in complex socio-economic productive systems.
- CO 3 : Reinforce analytical skills already learned, and build on these skills to further increase your "portfolio" of useful analytical tools for operations tasks.
- CO 4: Understand how Enterprise Resource Planning and MRPII systems are used in managing operations
- CO 5 : Increase the knowledge, and broaden the perspective of the world in which you will contribute your talents and leadership in business operations.

COURSE LEARNING OUTCOMES (CLOs):

Students, who complete the course, will have demonstrated the ability to do the following:

CLO Code	CLO's	At the end of the course, the student will have the ability to:	PO's Mapped	Strength of Mapping
AME518.01	AME518.01 CLO 1 Understand the core features of the operations		PO 1	3
AME518.02	CLO 2	Understand production management function at the operational and strategic levels	PO 2	2
AME518.03	CLO 3	specifically the relationships between people	PO 1	3
AME518.04	CLO 4	Evaluate operational and strategic levels	PO 1	3
AME518.05	CLO 5	Solve problems on operational and strategic management	PO 2	2
AME518.06	CLO 6	Production management basics and its history	PO 2	2
AME518.07	CLO 7	Key issues on market-driven systems and global competition	PO 2	2
AME518.08	CLO 8	Classification of production systems, and their definitions	PO 2	2
AME518.09	CLO 9	Classification of planning and control problems, and their definitions	PO 4	1
AME518.10	CLO 10	Problem solving procedure	PO 4	1
AME518.11	CLO 11	Demand forecasting and market analysis	PO 2	2
AME518.12	CLO 12	Qualitative approaches to forecasting	PO 2	2
AME518.13	CLO 13	A variety of quantitative forecasting techniques including the use of computer tools	PO 1	3
AME518.14	CLO 14	Decomposition of data into its components	PO 1	3
AME518.15	CLO 15	problems and to integrate different production planning activities	PO 1	3
AME518.16	CLO 16	Formulation of aggregate planning problems; their objectives, constraints and applicable solution techniques	PO 1, PO 2	3
AME518.17	CLO 17	purposes	PO 1, PO 2	3
AME518.18	CLO 18	Solving basic production planning problems	PO 1, PO 2	3
AME518.19	CLO 19	Solving basic inventory management problems, Importance of accuracy in estimating market share, demand, relevant costs and all requirements and the sensitivity of results to these values	PO 1,	3

	UNIT 1 PART – A (SHORT ANSWER QUESTIONS)			
S. No	Question	Blooms Taxonomy Level	Course Outcome (CO)	Course Learning Outcome (CLO)
1	Define product Analysis.	Understand	CO 1	AME518.01
2	Define Planning.	Remember	CO 1	AME518.01

3	Define PPC.	Understand	CO 1	AME518.01
4	Give details about the Production planning and Control.	Remember	CO 1	AME518.02
5	Discuss about needs for PPC.	Understand	CO 1	AME518.02
6	Define product Design.	Remember	CO 1	AME518.01
7	Define miniaturation.	Remember	CO 1	AME518.01
8	Define product analysis.	Understand	CO 1	AME518.01
9	Define margin of safety.	Remember	CO 1	AME518.01
10	·	Understand	CO 1	AME518.01
11		Remember	CO 1	AME518.01
12		Remember	CO 1	AME518.01
13	-	Understand	CO 1	AME518.01
14		Remember	CO 1	AME518.01
15	Define scheduling.	Understand	CO1	AME518.01
16	<u> </u>	Remember	CO 1	AME518.01
17		Understand	CO 1	AME518.01
18	1	Understand	CO 1	AME518.02
19	Write a short note on Control Phase.	Remember	CO 1	AME518.02
20	Write a short note on Tool Control.	Understand	CO 1	AME518.02
	PART – B (LONG ANSWER QU	(ESTIONS)		1
1	List out the planning functions and controlling functions	Understand	CO 1	AME518.02
	separately.			
2	Differentiate between job shop, batch type and continuous	Understand	CO 1	AME518.02
	production systems.			
3	Classify the production systems. Mention characteristics of each of	Remember	CO 1	AME518.02
	those systems.			
4	What are the effects of PPC in real time industrial environment?	Understand	CO 1	AME518.02
5	Compare various types of production systems.	Remember	CO 1	AME518.03
6	Discuss the applications of computers in production control.	Understand	CO 1	AME518.03
7	Mention the nature of PPC function in those respective production system	Understand	CO 1	AME518.03
8	Explain the objectives of PPC.	Understand	CO 1	AME518.03
9	Classify the production systems. Mention characteristics of each of	Remember	CO 1	AME518.03
	those systems.			
10	What are the effects of PPC in real time service sector?	Understand	CO 1	AME518.04
11	Explain characteristics of Intermittent production systems	Understand	CO 1	AME518.04
12	Explain characteristics of Continuous production systems.	Understand	CO 1	AME518.04
13	Explain the principals of PPC.	Understand	CO 1	AME518.04
14	Write short notes on internal organizations department.	Understand	CO 1	AME518.04
15	Explain the different types of production system.	Understand	CO 1	AME518.04
16	Define Production Planning and Control and its objectives	Understand	CO 1	AME518.04
17	Analyze the importance of each of the functions of production planning and control.	Remember	CO 1	AME518.03
18	Discuss the position of motion and time study in the organizational Structure of a manufacturing firm.	Understand	CO 1	AME518.03
19	Write the principles of sound production control systems.	Understand	CO 1	AME518.03
20	Describe continuous production. How does it differ from job order production.	Remember	CO 1	AME518.03
	UNIT II	COTIONS!		
1	PART A (SHORT ANSWER QUE		CO 2	AME 10.05
1	Define sales forecasting	Understand	CO 2	AME518.05

2	Define short term forecasting	Remember	CO 2	AME518.06
3	Define long term forecasting	Understand	CO 2	AME518.07
			CO 2	
4	State advantages of short term forecasting	Remember		AME518.08
5	Write a short note on least square method.	Understand	CO 2	AME518.08
6	State disadvantages of short term forecasting	Remember	CO 2	AME518.09
7	State advantages of long term forecasting	Remember	CO 2	AME518.07
8	Write a short note on exponential smoothing method.	Understand	CO 2	AME518.05
9	State disadvantages of long term forecasting	Remember	CO 2	AME518.06
10	Write a short note on analytical forecasting method.	Understand	CO 2	AME518.05
11	Write a short note on the importance of sales forecasting.	Remember	CO 2	AME518.06
12	Write a short note on statistical forecasting method.	Remember	CO 2	AME518.07
13	Write the objectives of forecasting.	Understand	CO 2	AME518.08
14	Write a short note on market potential.	Remember	CO 2	AME518.08
15	List the methods of sales forecasting.	Understand	CO 2	AME518.09
16	Discuss about limitations of least square method.	Remember	CO 2	AME518.07
17	Write the advantages of exponential smoothing method.	Understand	CO 2	AME518.05
18	Discuss about advantages of least square method.	Understand	CO 2	AME518.06
19	Write the limitations of exponential smoothing method.	Remember	CO 2	AME518.05
20	Discuss about different types of forecasting.	Understand	CO 2	AME518.06
20	PART B (LONG ANSWER QUI			7 HVIL5 10.00
1	Explain different types of fore casting.	Understand	CO 2	AME518.05
2	Write short notes on importance of fore casting.	Understand	CO 2	AME518.06
3	Explain the general principles of forecasting techniques.	Understand	CO 2	AME518.07
4	Define forecasting and its uses.	Understand	CO 2	AME518.07 AME518.08
5	Discuss about objectives of forecasting.	Understand	CO 2	AME518.08
6	Explain the process of sales forecasting.	Understand	CO 2	AME518.09
7	Discuss about qualitative methods of forecasting .	Remember	CO 2	AME518.07
8	Discuss about Quantitative methods of forecasting.	Understand	CO 2	AME518.05
9	Derive expression for smoothing constant.	Remember	CO 2	AME518.06
10	Discuss about effects of smoothing constant on the quality of	Understand	CO 2	AME518.07
10	forecast.	Understand	CO 2	AMES18.07
11	Show that in exponential smoothing method, Weightage to the past	Understand	CO 2	AME518.08
11	data declines exponentially.	Officerstand	CO 2	AWIE516.06
12	Explain exponential smoothing method of forecasting	Remember	CO 2	AME518.08
13	Explain the following terms	Understand	CO 2	
13	a. Qualitative methods and	Uniderstand	CO 2	AME518.09
	b. Quantitative methods.			
14	Explain exponential smoothing method of forecasting. Also	Remember	CO 2	AME518.05
	Define forecasting and its uses.			
15	Describe jury executive opinion method of sales forecasting.	Understand	CO 2	AME518.06
16 17	Name and describe the various factors affecting sales forecasting.	Remember Understand	CO 2	AME518.07
18	Describe sales force composite method in sales forecasting. Describe moving average method in sales forecasting.	Remember	CO 2	AME518.08 AME518.08
19	a) Name the various methods of sales forecasting and describe any	Understand	CO 2	AME518.09
-	two of them with their advantages and limitations		20 2	
	b) Explain analytical method.			
20	Describe survey of buyers' intention method in sales forecasting.	Remember	CO 2	AME518.07
	PART C (ANALYTICAL QUES		CO 2	A) (55.10.05
1	A XYZ television supplier found a demand of 200 sets in July, 225 sets in August & 245 sets in September. Find the demand forecast	Apply	CO 2	AME518.05
1	for the month of october using simple average method. The			
	average demand for the month of October			

2	A XYZ refrigerate for refrigerator du	or supplier has ring past five n	experienced the following the	llowing demand	Apply	CO 2	AME518.06
	Month	n D	Demand				
	Februa	ary 2	0				
	March	3	0				
	April	4	0				
	May	6	0				
	June	4	5				
	period moving a simple moving average. The manager of a	average & thr erage method. a restaurant war	for the month of J ee-period moving ats to make decision	average using n on inventory	Apply	CO 2	AME518.05
3	items based on v	weighted movir	forecast demand for ng average method emand for pizzas as	. For the past			
	Mon	nth	Demand				
	Octo	ber	400				
	Nove	ember	480				
	Dece	ember	550				
i							
	weights to demand	d data.	of January by ass	-			
4	One of the two irregular but usua demand was found They use a foreca forecast future der forecast for June	wheeler mar ally increasing d to be 420 bike sting method w mand. Using the e is found as weight the rece	demand for three es for June and 440 which takes average es simple average not 320 bikes (Use and demand most he	products. The bikes for July. of past year to nethod demand a smoothing	Apply	CO 2	AME518.06

	Farewell Corporation manufactures Integrated Circuit boards(I.C board) for electronics devices. The planning department knows that the sale of their client goods depends on how much they spend on advertising, on account of which they receive in advance of expenditure. The planning department wishes to find out the relationship between their clients advertising and sales, so as to find demand for I.C board. The money spend by the client on advertising and sales (in dollar) is given for different periods in following table:								
		Advertising	Sales (Dt)	-					
	Period(t)	(Xt)		Dt ²	$\mathbf{X}t^2$	XtDt			
	, ,	h (1 00 000)	t (1 000 000)	Dt	711	AtDt			
		\$(1,00,000)	\$(1,000.000)						
	1	20	6	36	400	120			
	2	25	8	64	625	200			
	3	15	7	49	225	105			
	4	18	7	49	324	126			
	4		/ _	1					
	5	22	8	64	484	176			
	6	25	9	81	625	225			
	7	27	10	100	729	270			
	8	23	7	49	529	161			
	0	16	6	36	256	96			
	10								
	10	20	8	64	400	120			
		211	76	592	4597	1599			
					UNIT I	II			
			PART A (SHOR	T ANSV	VER QUI	ESTIONS)		
1	Define Inve	entory.					Understand	CO 3	AME518.10
		s types of invent					Remember	CO 3	AME518.10
			uld be maintaine	ed.			Understand	CO 3	AME518.11
		out safety stock.					Remember	CO 3	AME518.12
		rt note on direct	t inventory.				Understand	CO 3	AME518.13
6	State indire	ect inventory.					Remember	CO 3	AME518.12
7	Discuss abo	out lead time.					Remember	CO 3	AME518.12
0	D.C.	d					II. damet d	00.3	AME 510 12
8	Define reor	uer point.					Understand	CO 3	AME518.13
9	Write a sho	rt note on order	quantity.				Remember	CO 3	AME518.12
10	Write a sho	rt note on econo	omic order quant	tity.			Understand	CO 3	AME518.12
11	State formula for economic order quantity.					Remember	CO 3	AME518.10	
12	2 Explain why safety stock is needed.					Remember	CO 3	AME518.10	
13	Discuss about types of inventory models.					Understand	CO 3	AME518.11	
14	Discuss about characteristics of two bin system.					Remember	CO 3	AME518.12	
15	Write a short note on tool control system.					Understand	CO 3	AME518.13	

16	Define periodic inventory ordering system.	Remember	CO 3	AME518.12
17	With a short and a supplemental and the state of the stat	II. danstand	GO 2	AME518.12
17	Write a short note on purchase cost.	Understand	CO 3	AME518.12
18	Define ordering cost.	Understand	CO 3	AME518.13
19	Write a short note on carrying cost.	Remember	CO 3	AME518.12
20	Define stock out cost.	Understand	CO 3	AME518.12
	PART B (LONG ANSWER QUES	STIONS)		
1	How do you classify inventories into A class, B class and C class items.	Understand	CO 3	AME518.10
2	Mention the control procedures are to be exercised on A class; B class and C class items.	Understand	CO 3	AME518.10
3	Derive the Wilson EOQ formula	Remember	CO 3	AME518.11
4	Explain various costs associated with inventory	Understand	CO 3	AME518.12
5	Explain the VED analysis	Remember	CO 3	AME518.13
6	Explain in detail about P-System	Understand	CO 3	AME518.12
7	Explain in detail about Q-System	Remember	CO 3	AME518.12
8	Mention the control procedure is to be exercised on A class, B class and C class items.	Understand	CO 3	AME518.13
9	Explain the procedure involved in carrying ABC analysis	Understand	CO 3	AME518.12
10	What are short comings of ABC classification?	Understand	CO 3	AME518.12
11	Explain the effect of demand on Inventories.	Understand	CO 3	AME518.10
12	Explain in brief Reorder Quantity.	Understand	CO 3	AME518.10
13	Explain various functions of inventory.	Understand	CO 3	AME518.11
14	Describe the EOQ problem with one price break.	Understand	CO 3	AME518.12
15	Describe the various re ordering systems with their advantages and limitations.	Remember	CO 3	AME518.13
16	Describe in detail ABC analysis. State its advantages, limitations and applications.	Understand	CO 3	AME518.12
17	Describe briefly the ABC, HML and VED analysis of inventory control.	Understand	CO 3	AME518.12
18	a. Explain various steps involved in MRP system. b. Explain the JIT Kanban working principle.	Understand	CO 3	AME518.13
19	What types of demand are formally considered in MRP. Explain the methodology of MRP system briefly	Remember	CO 3	AME518.12
20	a. List out and explain any three various segments of ERP system.	Remember	CO 3	AME518.12
	b. Define Line Of Balance (LOB). State its objectives.			
21	a. Write short notes on. Japanese concepts.b. Write short notes on MRP	Understand	CO 3	AME518.12
	PART C (ANALYTICAL QUES	STIONS)		1
			CO 2	AME 519 10
1	ABC manufacturer's produces 1, 25,000 oil seals each year to	Understand	CO 3	AME518.10

	bushing in lot of 30,000 units. It c The unit cost of bushing is \$0.12 at 25% unit cost. Find out the ec percentage of increases or decrease that the ordered quantity is Econom	and the estimated carrying cost is conomic order quantity. What it is in order quantity is required so nic order quantity.			
2	The XYZ Company produces who The wheat flour is produced in the wheat flour is 40,000 packs/yeard packs/year. Wheat flour 1kg packs Procurement cost is \$5. The car product gets spoiled in few week to foost of one pack. Find out the open cost of the cost of t	Understand	CO 3	AME518.10	
3	Discuss about practical limitations requires 10000 units of an item per Rs. 100 per order. The inventory price of the item is Rs. 10. Calculat a. the economic order quantity b. Optimal total annual cost c. Time between the orders. d. Define inventory.	Understand	CO 3	AME518.11	
4	a. Describe the MRP process, incb. Describe the exposing and time		Understand	CO 3	AME518.10
5	a. Explain the following inputs o Production schedule		Remember	CO 3	AME518.10
6	Find the optimal order quantity for breaks are as follows. Quantity (units) $0 \le q1 < 500$ $200 \le q2 < 750$ $750 \le q3$	a product for which the price Price per unit(rupees) 10.00 9.25 8.75	Remember	CO 3	AME518.12
		TIMITO TV			
	PA	UNIT - IV RT A (SHORT ANSWER QUE	ESTIONS)		
1	Define scheduling.		Understand	CO 4	AME518.14
2	State objectives and advantages of	scheduling.	Remember	CO 4	AME518.15
3	Define production control.		Understand	CO 4	AME518.14
4	State the purpose of scheduling		Remember	CO 4	AME518.16
5	Write the factors affecting schedul	Understand	CO 4	AME518.17	
6		5.	Remember	CO 4	AME518.17
7	Write the types of scheduling.		Remember	CO 4	AME518.16
8	Define master schedule.		Understand	CO 4	AME518.14
9	Draw man machine chart.		Remember	CO 4	AME518.15
10	Write a short note on Gantt chart.	1	Understand	CO 4	AME518.14
	Write the Johnson's rule for schedu	ılıng.			

11		Remember	CO 4	AME518.16
	Define critical ratio.			
12	Define line balancing.	Remember	CO 4	AME518.17
13	What do you mean by MRP.	Understand	CO 4	AME518.17
14	State objectives of MRP.	Remember	CO 4	AME518.16
15	List MRP system components.	Understand	CO 4	AME518.14
16	Define routing.	Remember	CO 4	AME518.14
17	Define bill of materials.	Understand	CO 4	AME518.15
18	Write a short note on aggregate planning.	Understand	CO 4	AME518.14
19	Write a short note on chase planning.	Remember	CO 4	AME518.16
20	Write a short note on expediting.	Understand	CO 4	AME518.17
	PART B (LONG ANSWER QUE	STIONS)		
1	Discuss in detail the following functions of routings Interpretation of detailed drawings	Understand	CO 4	AME518.14
2	Discuss in detail the following functions of routings Methods analysis.	Understand	CO 4	AME518.15
3	Distinguish between the route card and route sheet, with an example	Remember	CO 4	AME518.14
4	Discuss about factors affecting routing procedure	Understand	CO 4	AME518.16
5	State the important factors that affecting routing procedure	Remember	CO 4	AME518.14
6	Explain the importance of bills of material in production control. How does it help in assembly production.	Understand	CO 4	AME518.15
7	Distinguish between loading and scheduling	Remember	CO 4	AME518.14
8	Explain the importance of route sheet in scheduling a job.	Remember	CO 4	AME518.16
9	a. Write a short note on route sheet.b. Write a short note on the information it contains	Understand	CO 4	AME518.17
10	Distinguish between single level bill of materials and indented bill of materials, with an example for each type	Remember	CO 4	AME518.17
11	Distinguish between the route card and route sheet, with an	Understand	CO 4	AME518.16
11	example Discuss in detail on Routing Procedure	Understand	CO 4	AME518.14
13	Discuss in detail on Route Sheets & Route card	Understand	CO 4	AME518.15
14	Explain factors effecting routing procedure.	Understand	CO 4	AME518.14
15	Explain the factors to be considered for bill or materials.	Understand	CO 4	AME518.15
16	Explain scheduling in brief.	Understand	CO 4	AME518.14
17	 a. Write a short note on the distinction between a scheduling rule and scheduling criterion b. Explain the scheduling rules with their relativeadvantages and disadvantages 	Remember	CO 4	AME518.16

18	a. Discuss in detail on Job shop.	Understand	CO 4	AME518.17
10	b. Discuss in detail on Flow shop	Chacistana	CO 4	AWILS 10.17
19	a. Discuss in detail on Scheduling polices.b. Discuss in detail on Job shop and Flow shop	Remember	CO 4	AME518.14
20	 a. List out various scheduling rules. Explain at least three of them b. State the standard scheduling methods. Explain at least one in detail 	Remember	CO 4	AME518.15
	PART C (ANALYTICAL QUE		1	_
1	a. Describe any one method of sequencing of jobs for arriving at minimum elapsed time for loading on two machines and N jobs $ \frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}{2}$	Understand	CO 4	AME518.14
	b. Calculate minimum elapsed time for processing te jobs on two machines with the time period hours as shown on the each of the machine given below Jobs are to be processes first on the machine 1			
	Machine Jobs A B C D E F M1 4 8 3 6 7 5 M2 6 3 7 2 8 4			
2	Explain the following devices used for loading and scheduling Product-Trol Board . Also Explain the following devices used for loading and scheduling Sched-U-Graph	Understand	CO 4	AME518.15
3	In the network of figure below, the PERT time estimates of the activities are written along the activity arrows in the order <i>to-tm-tp</i> . Compute the expected time and variance for each activity. Also compute the expected duration and standard deviation for the following paths of the network. a. 10-20-50-80-90 b. 10-30-50-70-90 c. 10-40-60-80-90	Understand	CO 4	AME518.16
	The computation of expected times and variances for different activities are carried in a table given below.			
	Activity Time Expected Varia Estimates Time nce			
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			
	10 20 0 9 12 9.00 1.00 10 30 3 5 9 5.33 1.00			
	10 40 10 14 18 14.00 1.78			
	20 50 7 10 13 10.00 1.00			
	20 70 3 4 8 4.5 0.69 30 50 4 10 12 9.33 1.78			
	30 50 4 10 12 9.33 1.78			

	40 50 8 11 14 11.00 1.00					
	40 60 5 10 15 10.00 2.78					
	50 70 3 4 5 4.00 0.11					
	50 80 11 15 17 14.67 1.10					
	60 80 7 9 12 9.17 0.69					
	70 90 4 8 10 7.67 1.00					
	80 90 6 7 9 7.17 0.25					
4	a) Explain the problems of random order scheduling.b) Explain multiproduct scheduling in Batch production.	Remember	CO 4	AME518.16		
5	Describe a)master scheduling b)Production scheduling	Remember	CO 4	AME518.17		
	UNIT - V					
	PART A (SHORT ANSWER QU					
1	Write a short note on Dispatching.	Understand	CO 5	AME518.18		
2	Discuss about activities of dispatcher.	Remember	CO 5	AME518.19		
3	Park's Park Park I	Understand	CO 5	AME518.18		
ر	Explain dispatching rule.	Underställd	003	AWIE 310.10		
4	Define move order.	Remember	CO 5	AME518.18		
5	Write a short note on tool order.	Understand	CO 5	AME518.19		
6	Define job ticket.	Remember	CO 5	AME518.18		
7	Write a short note on inspection order.	Remember	CO 5	AME518.19		
,	write a short note on hispection order.	Kemember	003	AMES16.19		
8	Define store order.	Understand	CO 5	AME518.18		
9	Write a short note on finished product order.	Remember	CO 5	AME518.18		
10	Define machine load chart.	Understand	CO 5	AME518.18		
11	Write a short note on material requisition form.	Remember	CO 5	AME518.19		
11	write a short note on material requisition form.	Remember	003	AMES16.19		
12	Define move ticket.	Remember	CO 5	AME518.18		
13	Write a short note on inspection ticket.	Understand	CO 5	AME518.18		
14	Define labor card.	Remember	CO 5	AME518.18		
15	Define tool and gauge ticket.	Understand	CO 5	AME518.18		
13	Define tool and gauge neket.	Underställd	COS	AMEJ18.18		
16	List the advantages of centralized dispatching.	Remember	CO 5	AME518.19		
17	Write the rules of dispatching.	Understand	CO 5	AME518.18		
			~~ -			
18	List the disadvantages of centralized dispatching.	Understand	CO 5	AME518.19		
19	Define critical ratio.	Remember	CO 5	AME518.19		
17	Define chileat fault.	Kemember	003	AWIE 310.13		
20	List the advantages of decentralized dispatching.	Understand	CO 5	AME518.18		
PART B (LONG ANSWER QUESTIONS)						
1	Explain in detail about various Dispatching procedure.	Understand	CO 5	AME518.18		

		, ,		
2	Explain in detail about various Activities of dispatches	Remember	CO 5	AME518.19
3	Explain in detail about various Applications of computer in PPC.	Remember	CO 5	AME518.18
4	a. Discuss in detail about follow upb. Explain follow up significance in production	Remember	CO 5	AME518.18
5	Explain the applications of computer in Production Planning & Control	Remember	CO 5	AME518.18
6	Explain various activities of dispatcher	Understand	CO 5	AME518.18
7	a. List out various forms raised by dispatcher.b. Explain any three with neat sketch	Understand	CO 5	AME518.19
8	Describe the forms used in dispatching Move order	Remember	CO 5	AME518.18
9	Describe the forms used in dispatching Production ticket	Understand	CO 5	AME518.19
10	Discuss about, a) issue of move orders. b) issue of tool orders.	Understand	CO 5	AME518.18
11	Discuss in detail the sequential steps involved in dispatching	Understand	CO 5	AME518.08
12	Explain the applications of computer in Production Planning & Control	Understand	CO 5	AME518.18
13	Discuss about a) issue of inspection orders. b) Issue of job orders.	Understand	CO 5	AME518.19
14	Explain briefly about centralized dispatching.	Understand	CO 5	AME518.19
15	Explain briefly about combination rules.	Understand	CO 5	AME518.18
16	Discuss about a) issue of inspection orders. b) Issue of orders to finished product stores.	Understand	CO 5	AME518.18
17	Explain briefly about decentralized dispatching.	Understand	CO 5	AME518.19
18	Explain briefly about the duties of a dispatcher.	Understand	CO 5	AME518.18
19	Explain briefly about the sequence of dispatching activities	Understand	CO 5	AME518.19
20	Explain about manufacturing order with a neat flow chart.	Understand	CO 5	AME518.18
	PART C (ANALYTICAL QUES	STIONS)		
1	Discuss advantages and disadvantages of centralized and decentralized dispatching.	Remember	CO 5	AME518.19
2	Discuss various orders triggered in a manufacturing firm by a centralized dispatching department.	Understand	CO 5	AME518.18
3	Explain centralized and decentralized system of dispatching.	Remember	CO 5	AME518.19
4	Describe duties of dispatching and discuss dispatching procedure.	Understand	CO 5	AME518.19
5	Describe the following forms used in dispatching: (a) Move order (b) Production ticket.	Understand	CO 5	AME518.18
6	Explain the reasons for existence of follow-up functions.	Remember	CO 5	AME518.18
7	Discuss in details about dispatching rules used in shop floor.	Understand	CO 5	AME518.18
8	Explain briefly the dispatching activities and the necessity of close control in dispatching activities.	Remember	CO 5	AME518.18
9	Explain about the Dispatching. Also Enumerate the duties of a Dispatcher with list of records maintained by Dispatching	Understand	CO 5	AME518.18

	Department.			
10	With the help of a Organizational Charts, explain the Centralized	Understand	CO 5	AME518.18
	and Decentralized System of Dispatching.			
11	Explain how do you present production delays. Also discuss	Remember	CO 5	AME518.18
	about the courses of production delays with examples.			
12	With the help of a Organizational Charts, explain the Centralized	Understand	CO 5	AME518.19
	and Decentralized System of Dispatching. Also List the merits and			
	demerits of Centralized and decentralized system of dispatching.			

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