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Code	R15		
AG.	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABA B. Tech IV Year II Semester Examinations, July - 2019 PRODUCTION PLANNING AND CONTROL (Mechanical Engineering) Max. Mark	AG /	<u> </u>
Note:	This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all questions in Part A consists of 5 Units. Answer any one full question from each unit. Each question comarks and may have a b, c as sub questions. PART-A (25)	. Part B arries 10 A A A A A A A A A A A A A A A A A A A	Δ
e) f) g)	Define the terms fabrication, manufacturing, production and operations. How does PPC direct the organizations in utilizing the production facilities efficiently define forecasting. Define forecasting. List out various qualitative and quantitative methods of forecasting. What is re-order cycle and re-order period in inventory? What is MRP significance in materials management? What do you mean by chase planning? What is relaxed scheduling policy?	[2] ently? [3] [2] [2] [3] [2] [3] [2] [3]	Δ
h) i) j)	List the types of follow up. Why is dispatching required on shop floor? PART - B	[2] [3]/ / / /) Marks)	Δ
2.a) b) (3.a) b)	Distinguish between production planning, process planning, and product planning Describe the functions of production planning and control. OR What are the problems faced in case of lack of production planning? Discuss Distinguish between the Continuous and Intermittent types of production.	[5+5] [5+5] /	<u>A</u>
4.a) b)	What are characteristics of exponential smoothing? Discuss some areas in which forecasting is widely used. OR	[5+5]	
4G.	The following table shows the past two years of quarterly sales information. As there are both trend and seasonal factors and that the season cycle is one year. series decomposition to forecast quarterly sales for the next year.	Use time [10]	A
	Quarter 1 2 3 4 5 6 7 8 Sales 160 195 150 140 215 240 205 190		_

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6.a) b)		_	tions. elective inventory	using the follow	ving data. Classi	fy them [5+5]	
AG	46	Item	Consumption 6000 61200 16800	4,00 0.05 2.10	749	AG	A
AG	AG	4. 5. 6. 77 8. 9. 10. 11.	3000 55800 22650 22650 14760 20520 9000 29940 24660	6.00 0.20 0.50 0.65 0:4 0.1 0.3 0.5		AG	A
△ (¬7.a) b)		ise of Line of B	OR rm Lean Manuctu Balance (LOB) in			detail the [5+5]	A
8.a) b)			and what are the scheduling and fl		ling.	[5+5]	
9.a) b)	What do you demerits. What are the	understand by factors affecting	"no-work" pay	guarantee polic dure?	y? Discuss its	merits and	A
10.a) b)	Explain the ac	ctivities of a disp				[5+5]	
11.a) b)	Why is follow Describe the f 1) Move order ii) Production	following terms ι	oroduction plants' used in dispatchin	? Explain its role	in production co	ontrol. [5+5]	A
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