	Where, Y = Output (mt/day), L = Labour (hours/mt) K = Capita (Rs/mt)	·	
	a Calculate Marginal Product of Labour (MP _{L)} and Marginal Product of	f Capital	
	(MP_K) , if L=12 and K=20		(05 Marks)
	b Derive the equation for Isoquent and graphically show it by assuming L	= 10, 15,	
	20, 25, 30 and Y = 1000.		(05 Marks)
	c Determine factor intensity and returns to scale of this production function	1.	(05 Marks)
	d Prove that the elasticity of labour is 0.8 and elasticity of capital is 0.2		(05 Marks)
4			
	farming under major irrigation condition in the Dry Zone of Sri Lanka as follows:		
٠.	$Y = 7W + 10.1W^2 - W^3$, Where Y = Output (paddy kg /Acre), W = irrigation	on Water	
	(Cubic Meter $-m^3$)		
	a Determine three stages of this short run production process and graphica	lly show	
	the result.		(08 Mark)
	b Determine rational production stage and what is the maximum and n	aınımum	(06 3 41 -)
	output level of this rational stage.	ninishina	(06 Marks)
	c Determine the range of water level which is representing the low of din marginal returns.	umsmug	(06 Marks)
	marginar roturns.		(oo marks)
5	and the second s		(10 Marks)
	b "Super normal profit is unachievable target to any organization in the		
	under perfect completive market model" Prove this statement using	suitable [*]	
	graphs.		(10 Marks)
6	5 Critically examine the following statements;		
U	a Advertising playing an important role in monopolistic competitive marks	at	(07 Mar!
	b Even in long-run monopolist does not optimize limited resources	<i>-</i> 1	(07 Marks)
	c Third degree price discrimination is practically impossible pricing strates	σv	(06 Marks)
	2 Annua tregitor karon amorata parametra parametra parametra parametra parametra parametra parametra parametra	5 7	(00 11111111)
7	Write short note on followings		
	a Economic profit and financial profit		·
	b Giffen goods and inferior goods	•	
	c Economies of scale and diseconomies of scale		
	d Price taker and price maker		.*
		(05 Ma	arks for each)
			*

3 The Long-run production function is given by; $Y = 500 L^{0.8} K^{0.2}$