USN Sheeps institute of Tocomingy O6ISE Library, Mangalore
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Eighth Semester B.E. Degree Examination, June/July 2011 **Decision Support System**

Time: 3 hrs.						Max. Marks:100
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Note: Answer FIVE full questions selecting

		at least TWO questions from each part.	
		PART – A	
1	a.	and the second support by storic.	(06 Marks)
	b.	Briefly explain decision support frame works.	(08 Marks)
	. c.	Explain with block diagram, the decision making & modeling process.	(06 Marks)
2	a.	Briefly explain decision making design phase.	(08 Marks)
	b.	HCM corporation makes PC's. A decision must be made:	,
		How many PC's be produced next at Chennai plant?	
		i) Two types of PC's are BB ₁ – requires 200 days labour Rs. 10,000 materials, B 500 days labour & Rs. 15,000 materials.	B ₂ –requires
		ii) Profit contribution: B ₁ is Rs. 8000 & BB ₂ is Rs. 12,000.	
		iii) Plant has capacity of 2,00,000 working days Rs. 80 lacks in materials budget	month
		iv) Market requires 100 units of BB ₁ & at least 200 units of BB ₂ be produced	each month
		For above problem give model to maximize the company's profit by determining	how many
		units of BBI & BBL be produced each month.	(12 Marks)
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3	a.	What is DSS? Give characteristics & capabilities of DSS.	(08 Marks)
	b.	Distinguish DSS from management source & MIS.	(06 Marks)
	C.	Briefly explain DSS classifications.	(06 Marks)
4	a.	Explain DSS development methodology using prototyping and give re	asons why
		prototyping is used in DSS development.	(10 Marks)
		Briefly state & explain DSS development platform.	(06 Marks)
	c.	List advantages & risks of user developed DSS.	(04 Marks)
_		PART – B	
5	a.	Explain Time/Place frame work that support computer supported co-operative wo	rk.
	L	W/L-4:OD: A 1 3	(06 Marks)
	b.	What is groupware? Briefly describe popular groupware system.	(06 Marks)
	c.	Explain standard GSS process.	(08 Marks)
6	a.	Explain structure of Experts system with a block diagram.	(08 Marks)
	b.	How expert system works.	(06 Marks)
	c.	Give benefits & limitations of Expert system.	(06 Marks)
7	a.	Define knowledge engineering. What are steps involved in knowledge engineering	g process?
			(08 Marks)
	b.	Name & explain three techniques of automated knowledge acquisition method.	(06 Marks)
	c.	What is machine learning? Briefly explain induction table.	(06 Marks)

Explain process of case based reasoning with flow chart & give advantages of core based 8 reasoning. (08 Marks)

b. Explain in detail ES development life cycle with a block diagram. (12 Marks)

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