Total No.	of Questions	:10]
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SEAT No.:	
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[5560]-595

[Total No. of Pages :2

T.E. (Information Technology)

		HUMAN-COMPUTERINTERACTION (End Sem.)	
		(2015 Course) (Semester-I) (314445)	
		[Max. Marks:	: 70
	ucu 1)	Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8, Q9 or Q10.	
	<i>2</i>)	Neat diagrams must be drawn wherever necessary.	
	<i>3)</i>	Figures to the right side indicate full marks.	
	<i>4)</i>	Assume suitable data, if necessary.	
Q 1)	a)	Explain different User Centered Design Principles?	[6]
	b)	Explain Shneiderman's Eight Golden Rules of Interface Design?	[4]
0.2\	`		1
Q2)	a)	What are the Norman's Seven Principles for Transforming Difficult Taiinto Simple Ones?	sks [6]
	b)		ive [4]
Q3)	a)	The human eye has number of limitations. Give three example. For of the limitations identified, describe how this should be taken into account in the design of indivisible interface.	
	b)	user?	the [4]
		OR OR	
Q4)	a)	Discuss RAM and short-term memory(STM)	[5]
	b)	Explain significance of sensory memory in interface design?	[5]
Q5)	a)	Describe briefly four different interactions styles used to accommod the dialog between user and computer, Specify advantages a disadvantages of each interaction style?	
	b)	What is a prototype? Explain different types of rap prototypingtechniques.	oic

Q6) a	1)	Write short note on process on Interaction design with respect to followin points: [8]	_
		i) Basic activities	
		ii) Characteristics.	
b)	Write a scenario for Music player design? [8	3]
Q7) a	1)	Describe any four usability goals of Internet Explorer. [8	}]
b)	Explain the following terms. [8	3]
		i) Predictability	
		ii) Synthesizability	
		ii) Synthesizability iii) Familiarity	
	6	iv) Consistency	
Q8) a	l)	Explain Hill climbing approach with prototyping? [8	8]
b)	What is the need of MVC pattern? Draw figure and explain? [8	;]
Q9) a	1)	What is mental operator in the Keystroke Level Model (KLM)? How it is different from physical operators? [9]	
b)	Discuss the key differences between KLM and (CMN) GOMS. [9)]
		OR	
Q10) a	.)	Discuss the steps involved in estimating task execution time using KLM. How we can use KLM to compare competing designs? [9]	
b))	Use a state diagram to describe the dialogue between the system and the user. Note any additional issues this raises about the system that need to be resolved in the design.	0