Code No: 117DT

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech IV Year I Semester Examinations, November/December - 2016 HUMAN COMPUTER INTERACTION

	HUMAN COMPUTER INTERACTION	
Time	(Information Technology)	Max. Marks: 75
	: This question paper contains two parts A and B.	Wax. Wars. 75
1100	Part A is compulsory which carries 25 marks. Answer a	all questions in Part A.
	Part B consists of 5 Units. Answer any one full question	from each unit. Each
	question carries 10 marks and may have a, b, c as sub questions	•
	PART- A	
		(25 Marks)
	1.a) What is the importance of good design?	[2]
	b) What are the benefits of good design?	[3]
	c) Explain Scatter plots with example.	[2]
	d) Write the guidelines for building metaphors.	[3]
	e) What are the advantages of tiled windows?	[2]
	f) What are the functions of menus?	[3]
	g) Write the capabilities of Galaxy scripting language.	[2]
	h) What is Backus-Naur Form? What is its use?	[3]
	i) What are the different key board layouts?	[2]
	j) What are novel pointing devices?	[3]
	PART-B	
		(50 Marks)
2.a)	What are the differences between GUI and web user interface?	
b)	State various principles considered in the design of Xerox STAR OR	R. [5+5]
3.a)	Explain the concept of direct and indirect manipulation.	
b)	What are the general principles of user interface design?	[5+5]
4.a)	Explain the process of determining basic business functions.	
b)	What is the role of screen navigation in screen design? Explain. OR	[5+5]
5.a)	Write the guidelines for designing conceptual models.	
b)	What are the goals of user interface designer?	[5+5]
6.a)	Write about various GUI controls in brief.	
b)	What are the factors that influence the icon's usage?	[5+5]
	OR	
7.a)	Briefly discuss about operable controls.	
b)	Give the uses, advantages and disadvantages of audition.	[5+5]

8.a) Describe transition diagrams specification method.

b) What is the role of user interface architects in building software tools? [5+5] **www.ManaResults.co.in**

OR

9.a)	What are the factors considered while choosing user interface building tools?	
b)	What are menu selection and dialog-box trees? Explain.	[5+5]
10.a)	Explain the concept of speech generation.	
b)	Write about digital photography and scanners.	[5+5]
	OR	
l 1.a)	Give a brief note about function keys on a keyboard.	
b)	Write about attributes display devices and their features.	[5+5]
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