

T.E. (Information Technology) (Semester – II) Examination, 2009 (2003 Course)

HUMAN COMPUTER INTERFACE

Time: 3 Hours	Max. Marks: 10	0
he limitations E several menu	 Answer question 1 or 2, 3 or 4, and 5 or 6 from Section – I and question 7 or 8, 9 or 10, and 11 or 12 from Section – II. Answers to the two Sections should be written in separate books. Neat diagrams must be drawn wherever necessary. Figures to the right indicate full marks. Assume suitable data, if necessary. 	
	SECTION – I	
	wing terms related to the human short-term memory. ii) Chunking ffect iv) Closure.	8
b) Explain diffe user interface	rent Human factors that should be considered while designing the OR	8
interface desi	Discuss these features in terms of web decien guidelines.	8
attract user's	fferent user categories and explain how to design an interface to attention.	8
. 110	i) Multimedia Document Searches — W. Information visualisati	8
	levelop an interface for 'Banking Application'. Find out task fobjects and actions and interface hierarchies.	8
	a) Give four benefits and three problems of touch screens and RO	
4. a) Explain the li	nguistic model and Task Action Grammer in brief.	8
b) How can we u	use 8 golden rules of interface design to design a good interface?	8



5.	a) Explain three pillars of interface design process.	8
	b) Compare ethnography and participatory design. What are the drawbacks of	0 1
	OR	
6.	Write short notes on any three:	8
	i) LUCID ii) User Centred Design iii) Participatory Design iv) WIMP interface.	
	SECTION – II	
7.	a) List and explain the steps of usability testing. What are some of the limitations of such testing?	8
	b) Frequent menu users may become annoyed if they must make several menu selections to complete a simple task. How can an interface designer solve this issue?	8
	OR I – MOITOEZ	0
8.	a) What are important issues while designing a multiple window interface?	8
	b) Why is item presentation sequence important in designing menus?	8
9.	a) Explain applications of asynchronous interactions and synchronous distributed interactions in cooperative work.	
	b) Enumerate at least five error message encountered by you. Suggest important guidelines for presenting these error message in an effective style.	8
	OR	
10.	a) Some of the favourite techniques of web pages these days include automatic scrolling text boxes, moving marquees and constantly running animations. Discuss these features in terms of web design guidelines.	8
	b) Compare and contrast online help with offline help.	8
11. 8	i) Multimedia Document Searches iii) Information visualization iv) Hypertext Document Design.	18
12.	OR a) Give four benefits and three problems of touch screens and voice recognition input.	8
-80	b) Explain various diagrammatic notations for Human Computer Dialoque. 1	0