Code No: **R42052**

R10

Set No. 1

IV B.Tech II Semester Supplementary Examinations, April - 2018
HUMAN COMPUTER INTERACTION
(Common to Computer Science and Engineering and Information Technology)

Time: 3 hours   Max. Marks: 75

Answer any FIVE Questions
All Questions carry equal marks
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1	a)	Discuss the brief history of screen design.	[8]
	b)	Discuss the impacts of inefficient screen design on processing times.	[7]
2	a)	What are the characteristics that differ in web interface and GUI? Explain.	[7]
	b)	Explain different factors the human computer interaction designers must consider.	[8]
3	a)	Explain about human interaction speed.	[8]
	b)	Explain guidelines for designing a conceptual model in business functions.	[7]
4	a)	Discuss about users tasks and needs which are important in user interface design.	[8]
	b)	Explain about various types of statistical graphs in brief.	[7]
5	a)	Explain about screen navigation and flow	[7]
	b)	Explain how to group screen elements meaningfully explain with example	[8]
6	a)	Explain choosing colors for categories of information.	[7]
	b)	List the characteristics of icons and explain the factors that influence icon usability	[8]
7	a)	Give a brief note about the features of user – interface building tools.	[7]
	b)	Describe the following specification methods. (i) Grammars (ii) Transition diagrams.	[8]
8	a)	What are the function keys? Explain the advantages of function keys?	[7]
	b)	Explain the six types of interaction tasks that are applicable by pointing devices	[8]

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