## [IT 920] Human Computer Interaction (HCI)

0	1. Write a note on history of the knowledge domain Human Computer Interaction (HCI).	[05]	
0	2. Compare Graphical User Interface and Web User Interface.	[05]	
0	3. Elaborate on the connection between human characteristics and user interface design.	[05]	
0	4. Write a note on screen navigation design. (Hint: Chapter#5)	[05]	
0	5. What is ergonomics? How ergonomics is connected to HCI? (Hint: Chapter#3)	[05]	
0	6. Give suitable example of direct and indirect manipulation, in the context of HCI. (Hint:		
	Chapter#3)	[05]	
Assig	nment # 2 (60 Marks)		
0	1. What are different interaction styles? Discuss each in detail. (Hint: Chapter 3 (3.5))	[10]	
0	02. What is reasoning? Discuss about deductive reasoning, inductive reasoning, and abductive		
	reasoning. (Hint: Chapter#1)	[10]	
0	3. Write a note on errors and mental model. (Hint: Chapter#1)	[5]	
0	4. What are various usabillity principles? Discuss in detail. (Hint: Chapter#7)	[10]	
	[-learnability,		
	-predictability; synthesizability; familiarity; generalizability; cons	sistency.	
	-flexibility,		
	-robustness]		
0	5. Write Norman's seven principles for transforming difficult tasks into simple ones. (Hint:		
Chap	ter#7)	[5]	
0	6. What is evaluation and what are the goals of evaluation? (Hint: Chapter#9)	[5]	
0	7. a] Write short notes on the following: (Hint: Chapter#9)	[10]	
	Evaluation through expert analysis		
	Evaluation through user participation		
	b] How can you choose an evaluation method? Elaborate. (Hint: Chapter#9)	[5]	

## Assignment # 3 (Practical) (10 Marks)

01. Develop a User Interface following standard guidelines, for an application of your choice. Use necessary web technologies for developing the interface. [10]

Date of Submission: 13/Jun/2022 (hard deadline)