INALIUITAI		Computer and Emerging Sciences	·	pus	
WAL UNIVE	Course Name:	Human Computer Interaction	Course Code:		
THE TOWN	Program:	BS-CS	Semester:	Fall 2019	
SOURNOES,	Duration:	60 Minutes	Total Marks:	25	
	Paper Date:	23 rd September 2019	Weight:	15%	
SWOWIN & WITH	Section:	Section C and D	Page(s):	2	
The same of the sa	Exam Type: me:	Midterm-I Roll No.			
Section:	ne:	KOII NO.	1		
Instruction/Notes:	•	questions. Your answers should be given space only. Extra sheets rerwriting.	•		
Q 1. Consider any	web browse	r that is used to navigate the Wo	rld Wide Web	. List down any 5	
features in the br	owser that a	re designed to reduce long term	memory load	for the user. For	
example, the "au	itofill" feature	e in the address bar, enables th	he user to ge	t suggestions of	
		ust when he/she starts to write a	_		
•		e other features of a web browse		_	
term memory load				(5 marks)	
				·	
1predictive text					
2. Bookmarks					
3. Maintain history					
4. Save offline searches					
5Option o	of restoring al	tabs if explorer crashes			
		istant are examples of speech rece, in building speech recognition		ems. Identify five (5 marks)	
1. Contextual Ambiguity					
2Different a					
3. Different I	anguages				
4. More than one meaning of words					
5. Different p	oronunciation:	s of the same words			
also reduce the rebooks, return books	equirement of oks, search fo	eveloped to facilitate the studen f having library staff. The kiosk w or books and reserve books. Iden t explicitly the hardware requiren	ill enable the s ntify what kind	students to issue d of interface will	
Please see this visualize: https://yo		ave an idea of the kind of lik	orary kiosk I v	vant students to	

Q 4. Identify the type of reasoning being used in the given scenarios	s. (5 marks)	
Given scenario	Type of reasoning	
When I long press any button on a smartphone, a menu pops up. So I'll long press "delete" button, to see a menu related to delete functionality.	Deductive	
All ATMs I have ever visited till now have touch screens, so the ATM of the bank near my university will also have a touch screen interface.	Inductive	
Whenever a user buys a security patch for his system from Microsoft's website, the color scheme of his OS changes. One day the user turned on his computer and the color scheme had changed. He got worried that an unauthorized purchase has been made.	Abductive	
The Word files in my laptop are not opening. I think there is a virus in my computer.	Abductive	
I have been driving since 10 years. Whenever I turn the key anti clockwise fully, my car keys come out. In this new (automatic) car, when I'm turning my car keys anticlockwise the key is not being released, while I think it should come out.	Inductive	
Q 5. a) Write down three examples of hardware which can be used computer/device.	d to enter English text in a (3 marks)	
1Qwerty Keyboard		
2. Chord Keyboard		
3Mic (Speech recognition system)		
b) Write down 4 features of a virtual keyboard in a smartphone experience:	, which enhance the user (2 marks)	
1. Swipe screen		
2. Emojis		
3. Speech		
4. Predictive text		