

National University of Computer and Emerging Sciences, Lahore Campus

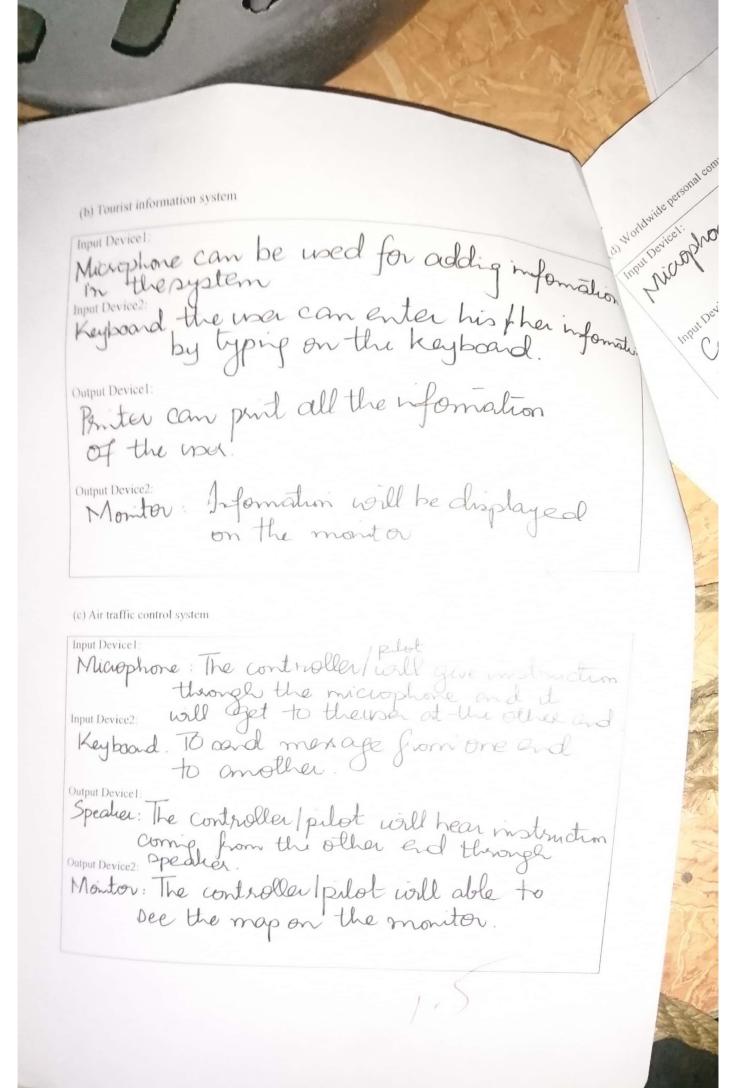
SAL CANADAMA A MINING CONTROL OF	Course Name:	Human Computer Interaction	Course Code:	CS 422
	Program:	CS	Semester:	Spring 2020
	Duration:	60 Minutes	Total Marks:	30
	Paper Date:	26-FEB-2020	Weight	15
	Section:	ALL	Page(s):	5
	Exam Type:	Midterm-I		

Student: Name: Alligin Balhourst Roll No. 171-6336 Section: A Instruction/Notes: Solve on question paper, answer sheets are not required.

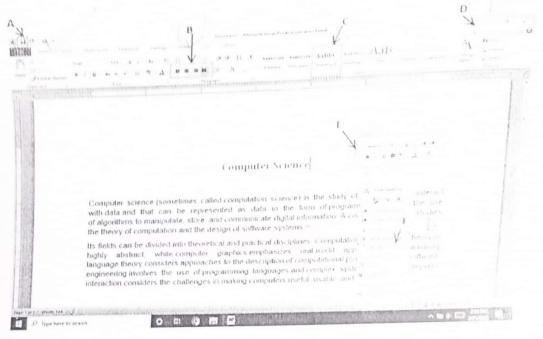
Question 1. What input and output devices would you use for the following systems? For each, compare and contrast alternatives, and if appropriate indicate why the conventional keyboard, mouse and CRT screen may be less suitable. (3 x 4 Points)

(a) Portable word processor for blind and normal users.

Input Device1:
Scanner
Because if they write something on paper the Input Device: Acamar will scan it.
Input Device2: DC annal will Acan it.
Microphone: Uping microphone they can say
Microphone: Very microphone they can say wonds to be processed.
Printer The scanned document 500 of
Printer. The scanned document will get printed.
Output Device2:
Speaker. The user will get the word
Speaker. The user will get the word logobooms from the speaker as
an output



Question 2: Consider the following interface and labels.



According to Fitt's Law which regions of the screen (Labeled as A, B = 1.1) and cash so that accuracy to target with reference to cursor position. (Rank Las casies) or most accuracy to target with reference to cursor position.

Ran	k L:	ibel	Reason
1	Ē	i do	The t point has the small ost chistories from the cursor point from the cursor point point is by
2	E		of the tayed is big but maller than A
3	F	+	The obstance p small and the size is also very small.
4	В	1	The distance is small and the size is also very small.
5	D	1	he distance from cusor to D point is large and the size is also very small.
6	AV	12 lo	re distance from cursor to a point is ugget than D point and the size of icon is very small.

juestion3: What can a system designer do to minimize the memory load of the user? Give at least two options. (4 Points)

-> First of all the designer should increase the capacity of storage of the system. Secondly, there should be a suptem for notification for the user to tell him their that after adding this data you will get space on the system

Question4: A typical computer system comprises a QWERTY keyboard, a mouse and a color screen. There is usually some form of loudspeaker as well. You should know how the keyboard, mouse and screen work. If you were designing a keyboard for a modern computer, and you wanted to produce a faster, easier-to-use layout, what information would you need to know and how would that influence the design? (2 Points)

Firstly I will want to know that the comfort level of users with the questy keyboard and how it is affecting thentyping speed. And then I will design the keyboard in different pattern so the users get consier to use it

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CRT