Total No.	of Quo	estions: 8] SI	EAT No. :		
PB-386	1	. 5	[Total No. of Pages : 2		
[6262] 124					
T.E. (Information Technology)					
HUMAN COMPUTER INTERACTION					
(2019 Pattern) (Semester - I) (314444)					
(201) I detectify (Semester 1) (S11111)					
Time : 21/2	Нош	rs I D	[Max. Marks : 70		
Instructions to the candidates:					
1)		vers: Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7	or Q.8.9		
2)		diagrams must be drawn wherever necessary			
3)	Figu	res to the right indicate full marks.			
<i>4</i>)	Assu	me Suitable data if necessary.			
	O DE	· · · · · · · · · · · · · · · · · · ·			
	2.				
Q1) a) What are Norman's seven principles for reducing complex jobs to sin					
	one		[8]		
b)	How	does making a call differ when using:	[9]		
	i)	Smart Cellphone			
	ii)	Land line phone			
	How	have been these devices been designed to	consider the following:		
	i)	The kind of users			
	ii)	Types of activity being supported	consider the following:		
	iii)	Contexts of use	9,01		
		\cap D	00'		

OR

What exactly are mental models and why do they matter in interface **Q2**) a) design? **[5]**

Explain Low-fidelity and High-fidelity prototypes
Write a short note on the following:

i) Linguistic Model

ii) Physical and device Model **[6]** b)

c) **[6]**

Q 3)	a)	Consider two different ATM machines, one giving away the cash & then ejecting the bank card & the other one ejecting the bank card first & then dispensing the cash. Which is a better interface from interaction design
	b)	point of view? justify. [9] Explain the principle of Learnability and principle of Flexibility with relevant examples. [9] OR
Q4)	a)	Write a Scenario for making an online transaction using any mobile phone-based application. [6]
	b)	What is design? What is the golden rule of design? Draw the process of interaction design. [6]
	c)	Draw and explain Model -View- Controller (MVC) framework for any suitable application. [6]
Q5)	a)	Cognitive Walk through is one of the important techniques with reference to HCI. Justify the statement with a suitable example of your own. [8]
	b)	Draw and explain User Interface Management System architecture. [9]
Q6)	a)	How will you apply the DECIDE framework to any online booking system? Explain it with necessary diagram and suitable explanation.[10]
	b)	What do you mean by evaluation? What are the goals of evaluation? Explain any one category of evaluation in detail.
07)	۵)	What do you man body in thinking? Evaloin its 5 stages in deci2001
Q 7)	a)b)	What do you mean by design thinking? Explain its 5 stages in detail?[9] Differentiate between smart devices and handheld devices. [5]
	c)	Mention your opinion regarding the future of HCI with an example. [4]
		OR OF
Q 8)	a)	Define the term Ubiquitous computing? Explain it in detail with reference to some suitable examples. [9]
	b)	Mention a real life example of Augmented Reality and Virtual Reality. [5]
	c)	What challenges will be faced by designer while designing interfaces for smart wrist bands. [4]
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