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SLIATE

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Human user-the person interacting with the computer of device.

computer - The hardware and softwars enabiling interaction.

Interaction-the way the user communication with the system

SRI LANKA INSTITUTE OF ADVANCED TECHNOLOGICAL EDUCATION

(Established in the Ministry of Higher Education, vide in Act No. 29 of 1995)

Junail-0039

Higher National Diploma in Information Technology

First Year, Second Semester Examination – 2021 HNDIT2052-Principles of User Interface Design

Instructions for Candidates:	No. of questions	: 06
Answer any five (05) questions.	No. of pages	: 03
Every question carries 20 marks	Time : Thr	ee (03) hours
Question 01. are computers that a	eccapt human ing	MI
(i). Define "Interactive system"? Give two examples for	or Interactive systems.	[04 Marks]
IPhone, Factook, Second 1-	Interaction happen	there interc
(ii) What is a way for which the country from the country of		
An interface in a correction	point anablins inte	raction
(iii). What is an "Interface" in the context of Ul design?  An interface in a correction of Correction of Correction between the components of HCI and describe each	in briefly? or compoun	[04 marks]
(iv) HCI is a multi-disciplinary subject. Do you agree?	Justify your answer.	[04 Marks]
Jas.  Use Users of a system differ from one to enother List f	our oritorio to alaccifu/ under	stand the user
(v). Users of a system differ from one to another. List for	our criteria to classify/ under	The second second second
while designing user interfaces?		[04 Marks]
skatch, t	igne, Adope XD,	[20 Marks]
Question 02.		
(i). What is Ergonomic in UI designing?		[04 Marks]
	visual raproducti	10%.
(ii). What is Ergonomic in UI designing?  (iii). What is a Wireframe? A wireframe is a work of the blueprint a consignition that out I was four user interface (UI) design tools available	user intertace.	[04 Marks]
(iii). List four user interface (UI) design tools available	that assist designers in cre	ating visually
	asic fuektionalic	0
	E digital product	
(iv) "Being human-centered is so important in UI Des	,	
Centered"?	igning . What does it mean	[04 Marks]
(v). "Designing products for everyone is challenging" D	o vou agree? Justify your am	
Designing products for everyone is chancinging D	o you agree? Justily your an	
17101111		[04 Marks]
to UZ designing should be		[20 Marks]

Read chility	-striva to	or consistency
	Enable fr	aguard usars
Scalability	to use st	oxt ant
complamantary	- Offer 11	form Ma
driedic	Foodback	abs to yield
Question 03.	- Dosign Di	abs to yeld
(1). Differentiate between Serif font family and Sar	is-Serif font family. Give an e	
		[04 Marks]
(ii). Mention 02 factors should be considered when	selecting a typeface for a UI	design?
deings Using scrif	fonts for paging. [0	94 Marks]
(iii). Describe the followings;	1- total number	r of fonta
(a). Frimary colors -		
(b). Secondary colors -		[04 Marks]
		forteness to t
(iv). Differentiate between RGB color model and Cl	MYK color model.	[04 marks]
(Tw) As a III designer list two feeters you should a		latte for your
(v) As a UI designer, list two factors you should co	onsider when choosing a colo	
design?	porracion Lich	[04 Marks]
000 15 6 20100101	podestes when	[20 Marks]
Question 04. Fraduct design and	at the conta	7 01
Question 04. product design and	diavalopment.	
(i). List two color palettes and explain them in brie	c	[04 Marks]
(i). Eist two color parettes and explain them in one		[04 Marks]
(ii). Identify the color palette for the given context b	nelow	. X
		[O2 Mostes]
(a). A design of various hues, values, and intens		[02 Marks]
(b). A design of colors that are placed in from	nt of each other on the color	
( colors) manochrometic c	operane	[02 Marks]
la op de	lacachasics	
(iii). What is the "PACT Framework"? Activity	).	[04 marks]
Contar	+.	
(iv). Describe two advantages of PACT Analysis in		[04 Marks]
	understand	
(x). What is a "Mental Model" in UI design?	Dosign.	[04 Marks]
	sasian.	[20 Marks]
	Exclusta.	
Question 05.	Evelunata	
(i). List four of Shneiderman's Eight Golden Rules	s of interface Design.	[04 Marks]
(ii) Explain how interfaces can be designed to prev	ent errors done by users. Giv	e an example.
		[04 Marks]
(iii). "Make things visible" principle from Norman's	s seven principles of design	helps bridge the
gulf of execution and the gulf of evaluation. Do		
(iv), What are the four steps in User-Centered design	Process?	[04 Marks]
(v). What is a scenario in User Interactive Design?		[04 Marks]
		[20 Marks]
HNDIT2052-Principles of User Interface Design - 2021 Semester II	ı	1
	4	,

## how acce was intotracces are to use.

Question 06.

(i). What is "Usability" in an HCI design?

[04 Marks]

(ii). A highly usable system offers benefits to both users and business. Briefly explain 02 benefits of Usability to business. [04 Marks]

(iii). Explain the importance of Task Analysis in UI designing.

[04 Marks]

(iv). What is a Prototyping?

[04 Marks]

(v). List two advantages and two disadvantages of prototyping.

[04 Marks]

Prototyping is a means of exploing ideas before the real implementation to varify proposed students.

ax: Bridgebuilderse crack stress models

Got Evant Goedbeck on one design Experiment with externative dosings.

Experiment with externative dosings.

Lix problems before code is written.

(05)

3 A senario in vi dasigning retors to