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Seat No.	

Fourth Year B.Tech. (Computer Science and Engineering PE3)
(Semester - VIII) (CBCS) Examination, November - 2023
HUMAN COMPUTER INTERACTION
Sub. Code : 84729

8850

Day and Date : Thursday, 23- 11 - 2023 **Total Marks : 70**

Time : 10.30 a.m. to 1.00 p.m.

Instructions :
1) **All questions are compulsory.**
2) **Assume suitable data wherever necessary.**
3) **Figures to the right indicate full marks.**

Q1) Solve MCQs.(1 Marks Each). **[14]**

a) What is the primary interactive method of communication?

i) Reading ii) Writing

iii) Speaking iv) All of mentioned

b) Display / read only screens should be designed to optimize human.

i) Scanning ii) Writing

iii) Knowledge iv) Hearing

c) Interactivity is also critical in dealing with _____

i) Understanding ii) Design Style

iii) Errors iv) Sequentially

d) What is the benefit of good design?

i) Positive effect ii) Success

iii) Both (i) & (ii) iv) None

e) _____ is usually a collection of icons those are reminiscent of the purpose of the various modes.

i) Button ii) Pointer

iii) Title bar iv) Palette

P.T.O.

f) Select the elements of mobile design?

i) Context, layout graphics
ii) Message colour
iii) Information architecture, operator
iv) All the above

g) Physical environment factor that directly affect the quality of the interaction and the user's performance.

i) Humidity ii) Noise
iii) Wind iv) Climate

h) Relationship among vision and distance from point of focus is_____ proportional to each other.

i) Conversely ii) Indirectly
iii) Directly iv) Inversely

i) What is the benefit of good design?

i) Positive effect ii) Success
iii) Both (i) & (ii) iv) None

j) Which of these is not an interface style?

i) Command line/command prompt
ii) Menus
iii) Natural Language
iv) Voice Recognition

k) The input device to be used to get a printed diagram into a computer, is

i) Touch pad ii) Scanner
iii) Mouse iv) Printer

l) _____are graphical objects used to represent commonly used application.

i) Windows ii) Icons
iii) Drivers iv) GUI

m) What are the Operating Systems used in mobile?

i) Symbian ii) Linux

iii) Palm OS iv) Allof the above

n) Which program is used by web clients to view the web pages?

i) Web browser ii) Protocol

iii) Web server iv) Search Engine

Q2) Solve any 2 of the following (7 Marks Each). **[14]**

a) Explain principles of the User Interface?

b) Explain the short term memory & long term memory?

c) How to organize the elements clearly and meaningfully in screen design?

Q3) Solve any 2 of the following (7 Marks Each). **[14]**

a) Explain the Principles for the Xerox STAR?

b) Why People Have Trouble with Computers?

c) How we can offer the visually pleasing experience to the user? What is its composition element?

Q4) Solve any 2 of the following (7 Marks Each). **[14]**

a) Explain the term window and write its characteristics?

b) Explain the term Productivity application context?

c) What is Mobile Web Development? Explain in detail.

Q5) Solve any 2 of the following (7 Marks Each). **[14]**

a) What are the different constraints in Window System? Explain in detail.

b) Write a short on the Application Context, Utility Context?

c) What are the various elements of the Mobile Design? Explain in detail.

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