SVKM
Mithibai College (Arts, Sci & Comm)

Programme: B.Sc (Computer Science) - (CBCGS)

Year: III/Semester VI (Exam Year: 2023-2024)

Subject: SKILL ENHANCEMENT: HUMAN COMPUTER INTERACTION

Date: 26 Mar 2024

Time: 10:30 am - 01:00 pm (02:30 Hrs.)

Max Marks: 75

FINAL EXAMINATION(2023-2024)

<u>Instructions:</u>

1. This question paper contains 2 pages
2. Answer to each new question to be started on a fresh page.
3. Figure in right hand side indicates full marks

1. Answer the following questions.(Attempt Any 4 Questions)	20
A. Interpret the popularity of graphic interfaces with valid reasons.	5
B. List Norman's 7 principles of good design.	5
C. Identify how HCI can be used in Indian Industries.	5
D. Inspect the human input and output channels with reference to HCI.	5
E. Recall the process of understanding business functions for creating user interface in HCI.	5
2. Answer the following questions.(Attempt Any 4 Questions)	20
A. Identify the meaning of term "ubiquitous computing".	5
B. List and explain various tools used for HCI layout design.	5
C. Explain the term "statistical graphics".	5
D. Outline the technological considerations in interface design.	5
E. Explain the following elements: 1. Split Panes 2.Desktop panes	5
3. Answer the following questions.(Attempt Any 4 Questions)	20

A. Differentiate between linear text and hyper text.   5

B. Define and explain: 5

   1. Placeholder target   2. Insertion Target

C. Classify and explain various keyboard layouts.   5

D. Identify and explain zoomable user interface.   5

E. Construct waterfall model in software design for HCI.   5

4. Answer the following questions.(Attempt Any 3 Questions)   15

A. Create a list of any 5 functional elements which should be present on the interface for college   5
   website.

B. Explain menu bar and tool bar.   5

C. Explain the limitations of human vision system.   5

D. Explain database searches with an example.   5