PAPER ID-311114

Roll No:

BTECH
(SEM V) THEORY EXAMINATION 2023-24
HUMAN COMPUTER INTERFACE

TIME: 3 HRS   **M.MARKS: 100**

Note: **1.** Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. **Attempt *all* questions in brief.**   **2 x 10 = 20**

Q no.	Question	Marks	CO
a.	Write the Importance of Human Interface.	2	1
b.	Explain the Graphical User Interface.	2	1
c.	Discuss the term Design Process.	2	2
d.	Write the advantage of Design in GUI.	2	2
e.	Define the Interface.	2	3
f.	Explain the Information retrieval process.	2	3
g.	Write short note on Device based Control.	2	4
h.	Differentiate between text messages and Multimedia based Messages.	2	4
i.	Discuss the use of function keys.	2	5
j.	How image is explained in terms of pixels?	2	5

SECTION B

2. **Attempt any *three* of the following:**   **10 x 3 = 30**

a.	Discuss the history of Screen Design according to the technology upgradation.	10	1
b.	Discuss the importance of 8 Human characteristics for good design.	10	2
c.	Explain various Technological Considerations at the time of Interface Design.	10	3
d.	Explain the Navigation schemes used to select the Windows.	10	4
e.	Explain the process of Digitization for Speech Recognition with example.	10	5

SECTION C

3. **Attempt any *one* part of the following:**   **10 x 1 = 10**

a.	Write the importance of 8 Good Design in respect of human interface.	10	1
b.	Explain the Graphical System and its characteristics in detail.	10	1

4. **Attempt any *one* part of the following:**   **10 x 1 = 10**

a.	Explain the technologies used in Screen Designing with example.	10	2
b.	Define Business junction. Explain its advantages in the Designing process of Interfaces.	10	2

5. **Attempt any *one* part of the following:**   **10 x 1 = 10**

a.	Discuss the process to maintain the ordering and content of Screen data.	10	3
b.	Explain the use of Statistical Graphics in terms of Human Interface.	10	3

6. **Attempt any *one* part of the following:**   **10 x 1 = 10**

a.	How Multimedia played a vital role in Human Interface? Explain.	10	4
b.	Explain the process of setting the Display characteristics in Windows.	10	4

7. **Attempt any *one* part of the following:**   **10 x 1 = 10**

a.	Explain various building tools of Interface and its applications.	10	5
b.	Define Drivers. Explain the use of drivers for the working of Windows.	10	5