BACHELOR OF TECHNOLOGY (CBCS) (2020 COURSE)
Information Technology
B.Tech.Sem - V :SUMMER : 2023
SUBJECT : HUMAN COMPUTER INTERACTION

Day : Tuesday | Time : 10:00 AM-01:00 PM

Date : 09-05-2023 | **S-24730-2023** | Max. Marks : 60

N. B. :

1) All questions are **COMPULSORY**.
2) Figures to the right indicate **FULL** marks.
3) Draw neat and labelled diagrams **WHEREVER** necessary.
4) Assume suitable data, if necessary.

Q. 1 What is HCI? Explain difference between Humans and Computers. **(10)**

OR

What is user interface? Also explain the benefits of good design. **(10)**

Q. 2 What is GUI? Explain the concept of direct manipulation and graphical system. **(10)**

OR

What is design thinking? Explain stages of design thinking in detail. **(10)**

Q. 3 What are the models of interaction? Explain in detail with example. **(10)**

OR

Describe Human characteristics and Human considerations in detail. **(10)**

Q. 4 What is well designed screen? Explain screen design goals in detail. **(10)**

OR

Explain ordering of screen data and content in detail. **(10)**

Q. 5 Explain communications and collaboration models in detail. **(10)**

OR

What are HCI models? Explain cognitive models in detail. **(10)**

Q. 6 Explain contextual tools. Also explain the terms Dialog overlay and detail overlay. **(10)**

OR

Define Fitt's Law and explain the terms: **(10)**

i) Dialog inlay
ii) List inlay
iii) Virtual scrolling

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