H                    Roll No. ..............................

# TCS–756

## B. TECH. (CSE)
## (SEVENTH SEMESTER)
## END SEMESTER
## EXAMINATION, Dec, 2022
## HUMAN COMPUTER INTERACTION
### Time :Three Hours
### Maximum Marks : 100

**Note :** (i) All questions are compulsory.

(ii) Answer any *two* sub-questions among (a), (b) and (c) in each main question.

(iii) Total marks in each main question are **twenty.**

(iv) Each sub-question carries 10 marks.

1. (a) Explain the importance of good user interface. Give *five* examples.    (CO1)

(b) What is the history of screen design ? List important breakpoints in screen design history.    (CO1)

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(c) What is the concept of direct manipulation ? Explain with the help of example. (CO1)

2. (a) What is the significance of human consideration in HCI (Human Compute Interaction) domain ? (CO2)

(b) What is the significance of understanding business junction in HCI (Human Computer Interaction) domain ? (CO2)

(c) What are the limitations- of human consideration in HCI (Human Computer Interaction) domain ? (CO2)

3. (a) Explain the concepts of organizing screen elements. (CO3)

(b) Explain the concepts of organizing screen navigation-and flow with proper example. (CO3)

(c) Explain the concepts of Technological consideration in interface design with proper example. (CO3)

4. (a) Explain the concept of Navigation schemes selection of window with the help of proper example. (CO4)

   (b) What is selection of devices based and screen based controls ? (CO4)

   (c) What are Multimedia components in context of HCI ? (CO4)

5. (a) Explain about interaction devices with proper example. (CO5)

   (b) What is speech recognition digitization and generation ? (CO5)

   (c) Explain about image and video drivers with the help of proper example. (CO5)

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