

BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)
B. Tech. Sem - V COMPUTER SCIENCE & ENGINEERING : SUMMER : 2024
SUBJECT: HUMAN MACHINE INTERACTION

Day : Tuesday
Date : 14/05/2024

S-25590-2024

Time : 10:00 AM-01:00 PM
Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Assume suitable **DATA**, if necessary.
- 4) Draw neat and labeled **DIAGRAMS**, wherever necessary.

Q.1 What is meant by Human Machine Interaction? Explain the involvement in HMI. (10)

OR

Q.1 Explain GUI. What are the principles of User Interface? (10)

Q.2 What are the principles in universal design? State the golden rule of design. (10)

OR

Q.2 What is meant by interaction design process? Mention the process of design. (10)

Q.3 Classify Engineering usability in detail. (10)

OR

Q.3 Explain in brief about Screen based controls? What are the guidelines for selecting the proper controls in screen design? (10)

Q.4 Describe the layers of the mobile ecosystem. (10)

OR

Q.4 Elaborate mobile information architecture with suitable diagram. (10)

Q.5 Write short notes on : (10)

- | | |
|-----------------|--------------------------|
| i) WWW | ii) Hypertext |
| iii) Multimedia | iv) Ubiquitous Computing |

OR

Q.5 Summarize Linguistic model, Physical Model and Device model. (10)

Q.6 List out the text entry devices. What are its functionality? (10)

OR

Q.6 Describe in detail about the following: (10)

- | | |
|-----------------|---------------------|
| i) Digitization | ii) Display devices |
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