

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

B.Tech. III Year II Semester Regular & Supplementary Examinations June-2025

HUMAN COMPUTER INTERACTION

(Common to CSE , CSIT, CSM & CIC)

Time: 3 Hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

- | | | | | | |
|---|---|---|-----|----|----|
| 1 | a | Explain in detail the concept of direct Manipulation. | CO1 | L2 | 6M |
| | b | Examine the importance of good design. | CO1 | L3 | 6M |

- | | | | | | |
|---|--|---|-----|----|-----|
| 2 | | Explain the general principle of User Interface design. | CO1 | L2 | 12M |
|---|--|---|-----|----|-----|

UNIT-II

- | | | | | | |
|---|---|---|-----|----|----|
| 3 | a | Write any five human characteristics in design and explain. | CO2 | L2 | 6M |
| | b | Explain in detail about determining basic business functions. | CO2 | L3 | 6M |

OR

- | | | | | | |
|---|--|--|-----|----|-----|
| 4 | | Discuss various technological considerations involved in designing an interface. | CO2 | L2 | 12M |
|---|--|--|-----|----|-----|

UNIT-III

- | | | | | | |
|---|---|--|-----|----|----|
| 5 | a | Explain about the selection of proper device-based controls. | CO3 | L3 | 6M |
| | b | Discuss about the content of menus. | CO3 | L2 | 6M |

OR

- | | | | | | |
|---|--|--|-----|----|-----|
| 6 | | Explain about Device-based controls and Screen-based controls. | CO3 | L3 | 12M |
|---|--|--|-----|----|-----|

UNIT-IV

- | | | | | | |
|---|--|---|-----|----|-----|
| 7 | | Discuss about components of Multimedia. | CO4 | L2 | 12M |
|---|--|---|-----|----|-----|

OR

- | | | | | | |
|---|---|--|-----|----|----|
| 8 | a | Compile different Guidelines for scope of testing. | CO4 | L4 | 6M |
| | b | Illustrate with necessary examples, the prototypes in testing. | CO4 | L2 | 6M |

UNIT-V

- | | | | | | |
|---|--|---|-----|----|-----|
| 9 | | Discuss about Image and Video displays. | CO5 | L2 | 12M |
|---|--|---|-----|----|-----|

OR

- | | | | | | |
|----|--|--|-----|----|-----|
| 10 | | Explain in brief about Building tools. | CO5 | L3 | 12M |
|----|--|--|-----|----|-----|

*** END ***