

**ANURAG Engineering College**  
(An Autonomous Institution)

III B.Tech I Semester Supplementary Examinations, Dec-2023/Jan-2024

**HUMAN COMPUTER INTERACTION**  
(COMPUTER SCIENCE AND ENGINEERING)

Time: 3 Hours

Max.Marks:75

**Section – A (Short Answer type questions)****(25 Marks)****Answer All Questions**

	Course Outcome	B.T Level	Marks
1. What is HCI?	CO1	L1	2M
2. Define graphical user interface.	CO1	L2	3M
3. Summarize human interaction speeds.	CO2	L2	2M
4. What is Conceptual Model?	CO2	L1	3M
5. What is Focus and Emphasis?	CO3	L1	2M
6. What are the interface design goals?	CO3	L2	3M
7. Explain Multimedia?	CO4	L1	2M
8. Write about Messages?	CO4	L2	3M
9. What are the different types of Pointing Devices?	CO5	L1	2M
10. Explain Function Keys.	CO5	L1	3M

**Section B (Essay Questions)****Answer all questions, each question carries equal marks.****(5 x 10M = 50M)**

11. A) What is meant by direct manipulation in Graphical System? What are the characteristics?	CO1	L3	10M
<b>OR</b>			
B) Compare among 1970s, 1980 and 1990s screen design.	CO1	L2	6M
12. A) How the human computer interaction and user interface design are related explain about each	CO2	L3	5M
<b>OR</b>			
B) Explain the importance of human characteristics in design process.	CO2	L2	5M
13. A) What are the ways to present the information simply and meaningfully? Explain.	CO3	L3	10M
<b>OR</b>			
B) Explain the technological considerations in interface design process?	CO3	L2	10M
14. A) Explain selection of devices based and screen-based controls?	CO4	L3	10M
<b>OR</b>			
B) What are uses of color and explain possible problems with color?	CO4	L2	10M
15. A) Explain about Speech Recognition Technology?	CO5	L2	10M
<b>OR</b>			
B) Write short notes on software engineering tools?	CO5	L3	10M