

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI 600086
(For students admitted from the Academic Year 2019 – 2020 and thereafter)
CODE: 19ID/IC/HC55
END SEMESTER EXAMINATIONS, NOVEMBER 2022
BACHELOR OF COMPUTER APPLICATIONS
FIFTH SEMESTER

COURSE : INTERDISCIPLINARY CORE
PAPER : HUMAN COMPUTER INTERACTION
TIME : 3 HOURS

MAX. MARKS: 100

SECTION - A

1. ANSWER ALL THE QUESTIONS: (10*2=20)

1. What are the components involved in perceiving color?
2. Define episodic memory and semantic memory.
3. Differentiate visualizers from verbalizers.
4. What are walkthroughs?
5. What is verbal and non-verbal communication?
6. What are the goals of interactive design?
7. What are jaggies and the state the ways to reduce the same.
8. State the golden rule of design.
9. What are the principles to support usability?
10. State -Ubiquitous computing.

SECTION - B

ANSWER ANY EIGHT QUESTIONS (8*5=40)

11. Explain the concept of Iteration and prototyping.
12. Enumerate on the health issues that arise as a consequence of interface designs.
13. State and explain – Limitation on interactive performance.
14. Discuss the common situations that trigger user frustration.
15. Write short notes on computer memory.
16. Write note on the approaches used to observe users.
17. Explain any three types of predictive models.
18. Describe the structure of the human ear along with the process of hearing.
19. List out the processes involved in cognition and explain in detail about attention
20. Explain any two applications themes for ubicomp.

SECTION - C

ANSWER ANY TWO QUESTIONS: (2*20=40)

21. Elaborate on the various interaction styles seen in HCI.
22. Discuss how interviews and questionnaires are used in collecting data from users.
23. Explain concepts of usability engineering and Design rationale.
24. Explain about Ubiquitous computing application research.
