

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI 600086
(For students admitted from the Academic Year 2019 – 2020 and thereafter)

B.C.A. END SEMESTER EXAMINATIONS, NOVEMBER 2024
FIFTH SEMESTER

COURSE : INTERDISCIPLINARY CORE
PAPER : HUMAN COMPUTER INTERACTION
SUBJECT CODE : 19ID/IC/HC55
TIME : 3 HOURS

MAX. MARKS: 100

SECTION A

Answer ALL the questions **(10*2=20)**

1. Differentiate high optimal stimulation level from low optimal stimulation level.
2. What is formality gap?
3. What is expressive interface?
4. State groupware systems by the function.
5. What is trade off ?
6. Distinguish human's short-term memory from their long-term memory.
7. Illustrate the importance of using colors in interface designing.
8. State the four basic activities involved in the process of interaction design
9. What is ubiquitous computing technology?
10. What are ethnographic studies?

SECTION B

Answer ANY EIGHT questions **(8*5=40)**

11. Describe the theory on human's levels of information processing.
12. Enumerate on the health issues that arise as a consequence of interface designs.
13. Explain about Scanners and optical character recognition
14. Write a note on interviews as data collection method used to observe users.
15. Explain the three main approaches to prototyping.
16. Brief about model of bimanual control
17. Discuss the various types of virtual agents used in interface designs.
18. Identify and explain how interface can be designed for special population.

19. Explain the three types of system where the generation and recording of ideas and decisions primarily focuses on
20. Explain about interaction design in technology

SECTION C

Answer ANY TWO questions

(2*20=40)

21. Elaborate on designing interface for the purpose of collaboration and communication.
22. Discuss how the data collected from the users are analyzed, interpreted, and presented for interface designing.
23. Explain briefly the concept of information and data visualization
24. Enumerate the concept of universal design in terms of designing systems that can be used by anyone in any circumstance.
