

END SEMESTER EXAMINATIONS, NOVEMBER 2023
BACHELOR OF COMPUTER APPLICATIONS
FIFTH SEMESTER

COURSE : INTERDISCIPLINARY CORE
PAPER : HUMAN COMPUTER INTERACTION
SUBJECT CODE : 19ID/IC/HC55
TIME : 3 HOURS
100

MAX. MARKS:

SECTION - A

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

1. List out the tools used in data collection.
2. What is formality gap?
3. What is the law of closure?
4. What are the goals of interactive design?
5. Define sensory memory.
6. State the golden rule of design.
7. Distinguish between verbal and non-verbal communication.
8. What is the principle of recoverability?
9. Who are variety and novelty seekers?
10. What is multi-modal interactions?

SECTION - B

ANSWER ANY EIGHT QUESTIONS (8*5=40)

11. Describe the execution-evaluation cycle.
12. Explain the different types of keyboards.
13. Explain the process of visual perception.
14. Brief about any two application themes for ubicomp
15. Classify the ergonomic factors involved in developing user-friendly products.
16. Briefly describe about model of bimanual control
17. Write a note on participant observation and ethnography.
18. Explain any three types of predictive models.
19. Discuss the factors involved in designing for a special population.
20. Explain the concept of Iteration and prototyping.

SECTION - C

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

21. Elaborate on how questionnaires are used in asking users information for data collection.
22. Why design rationale is needed and explain any two types of rationale in detail.
23. Discuss the properties involved in experience, engagement and fun.
24. Elaborate about virtual and augmented reality.
