C

Reg. No. :

Question Paper Code: 99217

B.E./B.Tech. DEGREE EXAMINATION, NOV 2024

Elective

Computer Science and Engineering

19UCS917- Human Computer Interaction

(Régulations 2019)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 1 = 5 Marks)

1. What does HCI stand for_____   CO1- U

    (a) Human Computer Interface   (b) Human Computer Interaction

    (c) Human Computer Industry   (d) Human Implementation

2. Which of the following is not a component of the usability   CO2- U

    (a) Effectiveness   (b) Efficiency   (c) Satisfaction   (d) Completeness

3. Time it takes for a message to get across the network from your machine to   CO3- U
   the web server and back. This delay is called

    (a) Latency   (b) Interval   (c) Response time   (d) Intermission

4. _____ to create and maintain a specific set of wireless services over a   CO4- U
   reliable cellular network.

    (a) Operators   (b) Networks   (c) Devices   (d) Applications

5. Dragging the insertion bar while editing text on the iPhone is an example of   CO5- U
   _____

    (a) Drop Lens   (b) Drag Lens   (c) Drop Object   (d) Drag Object

PART – B (5 x 3= 15 Marks)

6. What are the different types of errors?   CO1- U

7. What are the two issues in structure with respect to Navigation design?   CO2- U

8. Give an example for GOMS   CO3- U

9. Draw and give the typical flow of information on mobile devices.   CO4- U

10. What are overlays, inlays, virtual pages and process flow?   CO5- U

PART – C (5 x 16= 80 Marks)

11. (a) Explain about the elements of the WIMP interface.   CO1- U   (16)

Or

    (b) Explain the framework of Human computer interaction   CO1- U   (16)

12. (a) Explain in detail about evaluation techniques   CO1- U   (16)

Or

    (b) Give brief discuss about universal design   CO1- U   (16)

13. (a) Consider the case of preparing a group presentation for a software   CO3- C   (16)
        project. Elaborate the stages in specifying and designing UI for the
        same

Or

    (b) Decide how the 'golden rules' and heuristic help interface   CO3- C   (16)
        designers take account of cognitive psychology? Illustrate your
        answer with the design of Microsoft office word

14. (a) Discuss the various elements of Mobile Design with a step by step   CO4- Ana (16)
        method explain how to design an registration page for movie ticket
        booking.

Or

    (b) Appraise the types of mobile applications with examples   CO4- Ana (16)

15. (a) Explain in detail about virtual pages?   CO5- U   (16)

Or

    (b) Explain in detail about Process flow?   CO5- U   (16)

99217