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Question Paper Code: 99217

B.E./B.Tech. DEGREE EXAMINATION, NOV 2023

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 project. Elaborate the stages in specifying and designing UI for the same CO3- C (16)
Or
(b) Decide how the ‘golden rules’ and heuristic help interface designers take account of cognitive psychology? Illustrate your answer with the design of Microsoft office word CO3- C (16)
14. (a) Discuss the various elements of Mobile Design with a step by step method explain how to design an registration page for movie ticket booking. CO4- Ana (16)
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)