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Reg. No. :

Question Paper Code: 99217

B.E./B.Tech. DEGREE EXAMINATION, APRIL 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. Once the information passed from sensory to working memory, it can be encoded into _____ Memory.   CO1- U

    (a) Short-term   (b) Sensory   (c) Long-term   (d) Semantic

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 the web server and back. This delay is called   CO3- U

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

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

    (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 is meant by visual perception?   CO1- U

7. List some of the factors in experimental evaluation?   CO2- U

8. Define three-state model.   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 different I/O channels in detail? 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) What Is Information Architecture? List Different Information CO4- Ana (16)
Architecture for Different Devices.

Or

(b) Explain in detail about Mobile Web Widgets and Mobile Web CO4- Ana (16)
Applications?

15. (a) Explain the Purpose of Drag and Drop and list the Challenges CO5- U (16)
present in Drag and Drop?

Or

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

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