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Question Paper Code	12240
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B.E. / B.Tech - DEGREE EXAMINATIONS, NOV / DEC 2023
Seventh Semester
Computer and Communication Engineering
20CCEL702 - HUMAN COMPUTER INTERACTION
(Regulations 2020)

Duration: 3 Hours

Max. Marks: 100

PART - A (10 × 2 = 20 Marks)
Answer ALL Questions

	<i>Marks, K-Level, CO</i>
1. Define Human Computer Interaction.	2,K1,CO1
2. List out the use of scrollbars and title bars.	2,K1,CO1
3. State the golden rule of design.	2,K1,CO2
4. Define UIMS.	2,K1,CO2
5. What is heuristic evaluation?	2,K1,CO3
6. Mention different types of prototyping.	2,K1,CO3
7. List the four elements of GOMS.	2,K1,CO4
8. Define Bandwidth, latency and jitter.	2,K1,CO4
9. Infer the pros and cons of gaming applications.	2,K2,CO5
10. What is Cocoa Touch?	2,K1,CO5

PART - B (5 × 13 = 65 Marks)
Answer ALL Questions

11. a) (i) Briefly discuss about the types of memory in Human in detail.	8,K2,CO1
(ii) Describe five important differences between Short Term Memory and Long-Term Memory.	5,K2,CO1
OR	
b) Describe about the elements of the WIMP interface in detail.	13,K2,CO1
12. a) With a neat sketch, describe about Interaction design process and golden rule of Design.	13,K2,CO2
OR	
b) (i) Mention and Explain the Shneiderman's Eight Golden Rules Interface Design.	8,K2,CO2
(ii) State briefly about Cognitive walkthrough.	5,K1,CO2

13. a) Explain in detail about design rules and guidelines. *13,K2,CO3*

OR

b) Explain the Software Life Cycle in Detail. *13,K2,CO3*

14. a) List and explain the seven stages of soft systems methodology. *13,K2,CO4*

OR

b) Describe in detail about physical and device model. *13,K2,CO4*

15. a) List and Explain the elements of mobile design. *13,K2,CO5*

(i) Layout.

(ii) Color.

(iii) Typography.

(iv) Graphics.

OR

b) List and explain some ways to do some simple and fast mobile prototyping. *13,K2,CO5*

PART - C (1 × 15 = 15 Marks)

16. a) Summarize the following *8,K2,CO6*

(i) Paging.

(ii) Scrolling. *7,K2,CO6*

OR

b) Briefly describe the events available for the user during a drag and drop interaction. *15,K2,CO6*