



K. K. Wagh Institute of Engineering Education & Research, Nashik
(An Autonomous Institute From A.Y. 2022-23)

WINTER-2025	
Exam Seat No.:	
Academic Year:2025-2026	Semester:II
Class:PG-I	Program:MCA
Branch Code:M.C.A.	Pattern:2022
Name of Course:UI/UX Design	Course Code:MCA222005
Max. Marks:60	Duration:2.30 Hrs.

Instructions: Candidates should read carefully the instructions printed on the Question Paper and on the cover page of the Answer Book, which is provided for their use.

1. This question paper contains 02 page(s).
2. Answer to each new question is to be started on a new page.
3. Assume suitable data wherever required, but justify it.
4. Draw the neat labelled diagrams, wherever necessary.
5. The last columns indicates the Course Outcome and level of Blooms Taxonomy of the Question/sub-question.

Marks CO

Question No. 1

- 1a) Define usability in interactive systems. List its main goals and measures. What is universal usability? (6) CO1

Question No. 2

- 2a) Analyze practical and objective measures of usability and show how they can be used to evaluate the effectiveness of an interactive system. (6) CO4

Question No. 3

- 3a) Examine how menu structure, function, and content affect effective navigation (8) CO3

OR

- 3b) Analyze direct manipulation in virtual environments and how it improves user interaction. (8) CO3

- 3c) Analyze graphical menus, form fill-ins, and dialog boxes and their role in user interaction. (8) CO3

OR

- 3d) Outline interaction devices, collaboration, and social media participation in supporting user engagement. (8) CO3

Question No. 4

- 4a) Examine the key elements of windowing systems and their design principles. (8) CO3

OR

- 4b) Investigate the role of natural language and NLP in improving user interaction. (8) CO3

- 4c) Distinguish different operable controls and explain how they enhance user experience. (8) CO3

OR

- 4d) Evaluate presentation controls and their role in user interfaces (8) CO3

Question No. 5

5a) Explain QoS in response time and describe models that affect user experience. (8) CO2

OR

5b) Discuss how function and fashion relate in UI design, focusing on messages and layouts. (8) CO2

5c) Describe key challenges in information visualization and how they affect user understanding. (8) CO2

OR

5d) Explain how user interfaces influence society, individuals, and accessibility. (8) CO2

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