



**K. K. Wagh Institute of Engineering Education and Research,  
Nashik**

(An Autonomous Institute from A. Y. 2022-23)

Exam Seat No.:

End-Sem Examination-I

Academic Year: 2025-26

Class: F.Y

Branch Code:09

Name of Course:UI/UX Design

Max. Marks: 60

Winter 2025

Sem: I

Program: MCA

Pattern: 2024

Course Code: 2409505B

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.

(keep space)

1. This question paper contains 2page(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 indicate the Course Outcome.

Q. No.	Details	Stepwise Marks	Max. Marks	CO No.
Q.1	Identify the six stages of UX design. Ans: Each step 1 mark 6*1	6 Marks	[6]	CO1
Q.2	Describe common legal issues in Interface Design. Ans: Each issue 1 mark 6*1	6 Marks	[6]	CO2
Q.3	a) Explain the concept of Direct Manipulation and why it improves user experience. ( 8 Marks) Ans: Introduction Benefits Example	2 Marks 3 Marks 3 Marks	[16]	CO3
	<b>OR</b> b)Distinguish between Virtual Reality (VR) and Augmented Reality (AR) using examples. ( 8 Marks) Ans: VR explanation + example AR explanation + example	4 marks 4 marks		
	c)Describe four menu structures and explain how they support user navigation.(8 Marks) Ans: 4 menu types listed Explanation of how each supports navigation	4 marks 4 marks		CO3
	<b>OR</b> d)Explain the four main functions of menus in UI/UX design.(8 Marks) Ans: 4 menu functions Explanation	4 marks 4 marks		
Q.4	a)Apply windowing system ideas to design a basic screen		[16]	CO4



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	layout.(8 marks) Ans: Mention of key components Application/explanation <p style="text-align: center;"><b>OR</b></p> b) Use selection controls (radio, check box, list box) to build a small input screen. (8 marks) Ans: Identification of three controls Explanation + example for each	4 marks 4 marks  4 marks 4 marks		
	c) Use operable controls (buttons, sliders, tabs) to make a screen interactive with example.. (8marks) Ans: 3 controls named Explanation of interactivity <p style="text-align: center;"><b>OR</b></p> d)Apply read-only controls like text boxes to show information clearly with Example. (8marks) Ans: Identification of read-only controls Explanation with examples	3 marks 5 marks  4 marks 4 marks		CO4
Q.5	a)Examine the impact of response time variability on user performance.(8 marks) Ans: Any 4 detailed impacts (2 marks each) <p style="text-align: center;"><b>OR</b></p> b) Compare good and bad error messages to find what makes them effective. (8 marks) Ans: Good message Bad message	8 marks  4 marks 4 marks	[16]	CO5
	c)Examine a web Page design and point out strengths and weaknesses.(8marks) Ans: 4 strengths 4 weaknesses <p style="text-align: center;"><b>OR</b></p> d) Examine how user interfaces can impact both society and individuals. (8marks) Ans: Any 4–5 detailed impacts	4 marks 4 marks  8 marks		CO5