



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

	InSem Examination-IISummer2024		
	Exam Seat No.:		
	Academic Year:2023-2024	Semester: II	
	Name of Programme: FYMCA	Pattern:2022	
	Name of Course: Elective I: C: Augmented Reality and Virtual	Course Code:MCA222003C	
	Max. Marks:30	Duration:1 hr	
	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 2 pages. 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.		

Question No. 1 Attempt following Question

- a) Explain in detail DDA line drawing algorithm. (8) CO1

OR

- b) Calculate the points between the starting coordinates (20, 10) and ending coordinates (30, 18). (8) CO1

- c) Difference between raster scan and random scan display. (7) CO1

OR

- d) Discuss animation and types of animation in detail. (7) CO1

Question No. 2 Attempt following Question

- a) Explain in detail augmented reality with example. (8) CO2

OR

- b) What are some key challenges and limitations of current augmented reality technology? (8) CO2

- c) Explain the working principle of augmented reality (AR) systems. (7) CO2

OR

- d) What are the primary applications of augmented reality in various industries such as gaming, education, healthcare, and retail? (7) CO2

XXXXXXXXXXXXXXXXXXXXXXXXXXXX