



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

SUMMER-2024	
Exam Seat No.:	
Academic Year:2023-2024	Semester:IV
Class:SY	Program:B.Tech
Branch Code:INT	Pattern:2022
Name of Course:Computer Graphics	Course Code:INT222014
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 ____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.

Question No. 1 Attempt following Question

- 1a) Brief Anti-Aliasing Methods in Computer Graphics._ (6) CO1

Question No. 2 Attempt following Question

- 2a) Discuss Reflection in 2D transformation with example. (6) CO4

Question No. 3 Attempt following Question

- 3a) Write the note on Clipping in Computer Graphics. (5) CO2

OR

- 3b) List out Applications of clipping. (5) CO2

- 3c) Explain Cohen Sutherland Line Clipping Algorithm. (5) CO2

OR

- 3d) Explain Mid Point Subdivision Line Clipping algorithm. (5) CO2

- 3e) Explain Liang Barsky Line Clipping algorithm. (6) CO2

OR

- 3f) Explain Sutherland Hodgeman Polygon Clipping. (6) CO2

Question No. 4 Attempt following Question

- 4a) Write a note on Illumination models. (5) CO3

OR

4b) Discuss Phong Model of Reflection (5) CO3

4c) Define Types of Color Modes. (5) CO3

OR

4d) List the uses of Color Modes. (5) CO3

4e) List out the Limitations of Color Modes. (6) CO3

OR

4f) Explain CIE Chromaticity Diagram. (6) CO3

Question No. 5 Attempt following Question

5a) Define the term Curve with its suitable examples. (5) CO5

OR

5b) Explain construction of Koch Snowflake. (5) CO5

5c) Discuss Parametric curves in computer graphics. (5) CO3

OR

5d) List and explain Applications of Computer Animation. (5) CO5

5e) List and explain Types of Fractal. (6) CO5

OR

5f) Discuss Tweening Animation Function (6) CO5

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