



TONTADARYA COLLEGE OF ENGINEERING

(Department of CSE)

Internal Assessment –I (18CS62)

Subject : CG
Semester : 6

Date : 19.05.2022
Time : 12.30 pm to 1.30pm

Total Marks:

Answer following questions choosing one question from each part

50

PART-A

CO

- Q1 ✓ 1. Explain with neat diagram Video Display device (Cathode-Ray Tubes) and shadow-mask CRT. 13M (CO1)
2. Explain with neat diagram of DDA Line drawing algorithm. Solve (5,8) to (9,11) 12M (CO1)

OR

- Q2 1. Explain with neat diagram of Bresenham's Line Algorithm. Solve (3,7) to (9, 11). 13M (CO1)
2. What is computer graphics? Mention the list of applications. How they are classified.. 12M (CO1)

PART-B

- Q3 ✓ 1. Explain the following terms 13M (CO2)
a. Pixel b. raster c. Frame buffer d. Resolution e. Depth of Frame Buffer
2. Explain the logical organization of the video-controller. 12M (CO2)

- Q4 1. Briefly explain the Coordinate Representations of computer-graphics application programming interface . 13M (CO2)
2. Explain the MidPoint circle algorithm to scan convert a circle. sketch the decision paramet Draw the circle with (5, 5) as centre and 8 as radius. 12M (CO2)

Course Outcome	Complete Title
CO1	Design and implement algorithms for 2D graphics primitives and attributes.
CO2	Illustrate interactive computer graphic using the OpenGL.