

Subject Code:-

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Subject:-

Computer Graphics

Roll No:-

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TECNIA INSTITUTE OF ADVANCED STUDIES**BCA****Class Test (2025-2026)****Shift – M & E****Sem: 5th****Set - 2**Date:

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Time: -1:00 Hour

Max. Marks: 30

General Instructions:

- All Questions are compulsory. Answers should be brief and to the point.
- It comprises three sections, A, B, and C. you are to attempt all the sections.
- **Section A** – Question No -1 is Very Short Answers type carrying 2 marks each. You are required to answer ALL.
- **Section B**- Question No-3 is Short Answers type question carrying 5 marks each. You are required to attempt any TWO out of THREE questions given.
- **Section C**- Question No -4 is Long Answer type question carrying 10 marks each. You need to attempt any one.
- Students are instructed to cross the blank sheets before handing over the answer sheet to the invigilator.
- No sheet should be left blank. Any written material after a blank sheet will not be evaluated /checked.

		CO	BT	M
SECTION –A				(10)
1.	Attempt All of the following.			(5*2=10)
a.	Define Clipping?	CO1	L1	
b.	What is anti-aliasing?	CO1	L1	
c.	Elaborate latest display technologies?	CO2	L1,L2	
d.	Define Window-port?	CO1	L1,L2	
e.	What is 2D transformation?	CO2	L1,L2	
SECTION –B				
2.	Answer any <u>Two</u> of the following.			(2*5=10)
a.	Explain the working of 2D rotation with derivation?	CO3	L2,L3	
b.	Draw and explain conceptual framework of interactive graphics?	CO3	L1,L2	
c.	Differentiate between Raster Scan and Random Scan?	CO1	L1,L2,L3	
SECTION –C				
3.	Answer any <u>One</u> of the following.			(1*10=10)
a.	Write an algorithm for Bresenham's Line draw with explanation?	CO1	L1,L2,L3	
b.	Write an algorithm for Cohen Sutherland line clipping with explanation?	CO1	L1,L2,L3	