Seat No.

Total No. of Pages : 2

MAR_APR 2026 SUMMER EXAMINATION

1154 B.Tech. CBCS

Sub. Name: Advanced Computer Graphics

Sub. Code: 86169

Day and Date: Tuesday ,26-05-2026 **Total Marks: 70**

Time: 10:30 AM To 01:00 PM

Instructions:

Special Inst.:
1. **Question no. 6 is compulsory**
2. **Solve any four questions from Q. No. 1 to Q. No. 5**
3. **Assume suitable data wherever necessary**
4. **Figures to the right indicate full marks**

Q1) Solve the following questions **[15]**

a. What is animation? Explain with its types **[8]**

b. Explain axonometric projections **[7]**

Q2) Solve the following questions **[15]**

a. Explain illumination models in detail **[8]**

b. Explain B-spline curves in detail **[7]**

Q3) Solve the following questions **[15]**

a. Explain Bresenham's line drawing algorithm with example **[8]**

b. Explain RLE and Frame Buffer **[7]**

Q4) Solve the following questions. **[15]**

a. Explain 2D Translation and shearing **[8]**

b. Explain Edge fill in detail **[7]**

Q5) Solve the following questions. **[15]**

a. Explain Point clipping, and line clipping in detail **[8]**

b. Explain Ray tracing methods **[7]**

Q6) Write a short note on: **(Any 2)** **[10]**

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a. Warping techniques **[5]**

b. Bezier curve **[5]**

c. Z- buffer **[5]**

End Of Question Paper

Important Note for Chief Exam Officer / SRPD Coordinator / Sr Supervisor/ Student -
This Question Paper may be distributed for following Subjects as common code.
सदरची प्रश्नपत्रिका खालील विषयांकरिता वितरित करता येईल.

1] (1154) B.Tech. CBCS (86169) Advanced Computer Graphics Part 2 SEM 4

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