

2011000305020083
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (FIFTH SEMESTER)
COMPUTER SCIENCE-VIII (PAPER-503- COMPUTER
GRAPHICS)-LEVEL 2

[Time: As Per Schedule]

[Max. Marks: 50]

Instructions:

1. Fill up strictly the following details on your answer book

- a. Name of the Examination : **BACHELOR OF SCIENCE (FIFTH SEMESTER)**
 - b. Name of the Subject : **COMPUTER SCIENCE-VIII (PAPER-503- COMPUTER GRAPHICS)-LEVEL 2**
 - c. Subject Code No : **2011000305020083**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 Answer the following questions (Any Seven)

14

1. Define polygon. Also describe the two categories of polygon.
2. What is transparency?
3. What is morphing?
4. Define Butt Cap.
5. Define text clipping.
6. What is anti-aliasing?
7. What is affine transformation?
8. What is transparency?

Q.2 Answer in detail. (Any two)

12

1. Explain the applications of computer graphics.
2. Write and explain DDA line drawing algorithm.
3. Explain text and character attributes.
4. Explain shading with example.

Q.3 Answer the following (Any Two)

12

1. What is light source? Explain illumination in detail.
2. Explain scanline fill method with algorithm in detail.
3. Explain even-odd technique of polygon inside test.
4. Discuss cohen –sutherland line clipping algorithm.

Q.4 Answer the following (Any Two)

12

1. Discuss the attributes of text and characters in details.
2. Write a note on Basic Transformation in Computer Graphics.
3. Obtain the generalized matrix for transformation about homogeneous coordinates.
