

Roll No.

Paper Code - 0507

B.Sc. (Part III) EXAMINATION, 2023

(New Course)

(Vocational Course)

INFORMATION TECHNOLOGY

Paper : First

(Computer Graphics)

Time : Three Hours]

Maximum Marks : 50

Note- Attempt questions from all sections as directed.

Section-A

(Short Answer Type Questions)

Note- Attempt all questions. Each question carries 3 marks.

1. (A) Discuss any two input devices.
- (B) Explain the working of LCD.
- (C) What is File Display ?
- (D) How pattern-fill works ?
- (E) What is scaling ?
- (F) Explain motion specifications.

Section-B

(Long Answer Type Questions)

Note- Attempt any two questions. Each question carries 8 marks.

2. Implement the DDA algorithm to draw a line from (0,0) to (5,5).
3. What is line clipping and polygon clipping ?
4. Discuss scan-line polygon fill algorithm.
5. Explain color attributes in detail.

Section-C

(Long Answer Type Questions)

Note- Attempt any two questions. Each question carries 8 marks.

6. Discuss rotation about an arbitrary point.
7. What is 3-D display methods ?
8. What is projection ? Explain its type.
9. What is Multimedia and Animation ? Explain its features.

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