PG – 817 **MCA–11**

M.C.A. DEGREE EXAMINATION — DECEMBER, 2019.

Second Year

COMPUTER GRAPHICS

(Including Lateral Entry Candidates)

Time : 3 hours Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. What are applications of computer graphics?

2. Explain line drawing algorithms.

3. What are the principles of transformation?

4. Explain aspect ratio.

5. What is the viewing process?

6. Describe Z-buffer algorithm.

7. Write short notes on command languages.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain in detail line drawing algorithms.

9. Describe in detail video display generation.

10. Discuss 2D transformations.

11. Bring out matrix representation and composite transformation.

12. Summarize Cohen Sutherland algorithm.

13. Explain in detail hidden surface algorithm.

14. Present a tutorial on User Interface Design.

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