

M.Sc. MASTER'S IN MATHEMATICS WITH APPLICATIONS IN COMPUTER SCIENCE (MACS)

Term-End Practical Examination December, 2013

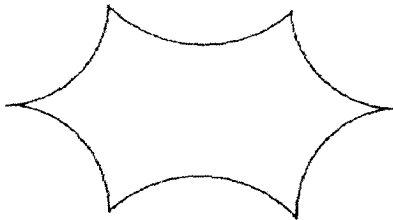
MMTE-004 (P) : COMPUTER GRAPHICS

Time : 1½ hours

Maximum Marks : 40

Note : There are two questions in this paper totalling 30 marks. Answer both of them. Remaining 10 marks are for the viva-voce.

- 1. Write a C program to generate a circular arc of any fixed radius and sector size. Use this to draw the following figure. 15



- 2. Write a C program to implement the boundary fill algorithm to fill a closed area given by the equation x² + y² - 4x - 4y + 4 = 0 in the xy-plane. 15

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