

No. of Printed Pages : 2 **MMTE-004(P)(Set-II)**

**M. SC. (MATHEMATICS WITH
APPLICATIONS IN COMPUTER
SCIENCE) [M. SC. (MACS)]**

Term-End Practical Examination

December, 2024

MMTE-004(P)(Set-II) : COMPUTER GRAPHICS

Time : $1\frac{1}{2}$ Hours

Maximum Marks : 40

Note : (i) *There are two questions in this paper,
totalling 30 marks.*

(ii) *Answer both the them.*

(iii) *The remaining 10 marks are for the viva-
voce.*

1. Write a C program which takes points as input from mouse clicks (left button) and then perform an action. Apply the program to generate a closed polygon as follows : 15

[2]

Every time a left button is pressed, a point on the screen is selected at mouse position and corresponding edge is drawn. When the right button is clicked, the polygon is created.

2. Write a code to generated a composite matrix for general 3D rotation matrix. Apply the code the continuously rotate a cube about an axis. 15

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