

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

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

**Term-End Practical Examination**

**December, 2024**

**MMTE-004(P)(Set-I) : COMPUTER GRAPHICS**

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

*Maximum Marks : 40*

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

(ii) *Answer both of them.*

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

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1. Write a C code for an interactive program which allows a user to draw a polygon object in a window, and then give various choices of geometric transformation on the polygon. Once the user selects a choice, the transformed polygon is also plotted on the window. 15

[ 2 ]

2. Write a C program to create a window of specified size and position, and draw a filled rectangle with given dimension and colour in the window. 15

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