

No. of Printed Pages : 2 **MMTE-001(P)(Set-II)**

**M. SC. (MATHEMATICS WITH
APPLICATIONS IN COMPUTER
SCIENCE) [M. SC. (MACS)]
Term-End Practical Examination
June, 2025**

MMTE-001(P)(Set-II) : GRAPH THEORY

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

Maximum Marks : 40

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

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

(iii) *All the programs are to be written in C language.*

1. Write a program to check whether a given graph is connected or not. Run your program on different graphs. 10

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2. Write a program that stores a weighted graph using adjacency list representation, and prints the weight of any input subgraph of it. 20

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