

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

## Term-End Practical Examination

June, 2025

# **MMTE-003(P)(Set-I) : PATTERN RECOGNITION AND IMAGE PROCESSING**

*Time : 1  $\frac{1}{2}$  Hours*      *Maximum Marks : 40*

**Note :** (i) There question paper has two questions worth 30 marks. Remaining 10 marks are for viva-voce.

(ii) Use Sci-lab only.

1. Load an image. Change the resolution of the image. Also change the gray levels to 64, 16, 8, 4, 2 to display the same image. 15
2. Load an image. Find the discrete cosine transform of the image. 15

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