M.Sc. (MATHEMATICS WITH APPLICATIONS IN COMPUTER SCIENCE)

M.Sc. (MACS)

Term-End Practical Examination

December, 2015

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MMTE-003(P) : PATTERN RECOGNITION AND IMAGE PROCESSING

Time : 1½ hours   *Maximum Marks : 40*

Note : (i) This question paper has **two** questions worth 30 marks. Answer **both** of them.

(ii) Remaining 10 marks are for the viva-voce.

(iii) Do not use the inbuilt commands for implementation.

1. Load an image and carry out edge detection in both directions using

(i) Sobel operators,

(ii) Roberts operators.   *20*

2. Load an image and restore this using

(i) Wiener filter,

(ii) Median filter.   *10*

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