M. Sc. (Mathematics with Applications in Computer Science) M. Sc. (MACS)

Term-End Examination

December, 2018

PATTERN RECOGNITION AND IMAGE PROCESSING

Time : 1½ Hours   *Maximum Marks : 40*

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

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

(iii)   Do not use inbuilt commands for implementation.

1. Perform logical operations such as NOT, AND, OR and XOR on binary images.

   10

2. Implement fast Fourier transform and low-pass frequency filtering on image.

   20