

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

**Term-End Examination**

**August, 2011**

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

*Time : 1½ hours*

*Maximum Marks : 40*

*Note : This question paper has one question worth 30 marks.*

*Remaining 10 marks are for viva-voce.*

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1. Load an image. Blur the image using Gaussian averaging and add exponential noise to it. 30
- (a) Try and estimate the degradation and noise from the distorted image.
- (b) Compare the estimated degradation with the actual degradation.
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