**MS4E34**

**Fourth Semester M.Sc. IT**

**Examination Aug/Sep-2015**

**Image Processing**

**Time: 3Hours Max. Marks:-75**

**SECTION-A**

**Answer any five questions. (5\*5)**

1. Give a brief introduction of contrast sensitivity.
2. State the color-matching.
3. What is aliasing Effects? Mention the effects with its proper analyses.
4. Clarify the calorimetry concepts.
5. What is Sampled Image Superposition & Convolution?
6. Mention the effect of imperfect reconstruction filters.
7. What is generalized 2-D linear operator?

**SECTION-B**

**Answer any two questions. (10\*2)**

1. How do you make image probability density models? Discuss with suitable example.
2. Differentiate between monochrome & color image quantization. Analyze both type of quantization.
3. Elaborate the Karhumen-Loeve Transform.

**SECTION-C**

**Answer any two questions. (15\*2)**

1. Distinguish between the singularity operators & Additive Linear Operator.
2. Explain the different type of Image Reconstruction Systems. Analyze the various implementation techniques.
3. Describe the contrast modification with suitable example.