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**Question Paper Code: 52933**

M.E. DEGREE EXAMINATION, JUNE 2016

Elective

Computer Science and Engineering

15PCS513 – IMAGE PROCESSING AND ANALYSIS

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 20 = 100 Marks)

1. (a) List and explain the various image file formats with an example. (20)

Or

(b) Categorize noise models and explain how noise is removed using spatial filters. (20)

2. (a) Explain various Fourier transform methods. (20)

Or

(b) Describe wavelets and explain wavelet based image processing technique. (20)

3. (a) How will you merge various images without noise using merge operation? (20)

Or

(b) Explain Canny and Laplacian operation. (20)

4. (a) Categorize various filter operations and explain with examples. (20)

Or

(b) Describe various operators of Morphology. (20)

5. (a) Explain various color models and color transformations. (20)

Or

(b) Outline the image compression technique with an example. (20)

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