

DECEMBER 2014

P/ID 17533/PCE15

Time : Three hours

Maximum : 100 marks

PART A — ($6 \times 5 = 30$ marks)

Answer any SIX questions.

1. Write on digital image representation.
2. Discuss on Image Acquisition.
3. Explain about spatial domain methods.
4. Write about highpass filtering.
5. Discuss on discrete formulation in degradation model.
6. Write on simple global thresholding.
7. Explain on coding redundancy.
8. What is transform coding? Discuss.

PART B — ($7 \times 10 = 70$ marks)

Answer any SEVEN questions.

9. Give the fundamental steps in image processing.
10. Write on basic relationships between pixels.

11. Discuss about enhancement by point processing.
 12. Write about various color models.
 13. Give the Fourier transform.
 14. Explain on smoothing filters.
 15. Write on inverse filtering.
 16. Discuss about region oriented segmentation.
 17. Explain in detail on image compression models.
 18. Write the elements of information theory.
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