

Total No. of Pages: 1

6465

Register Number

Name of the Candidate:

M.Sc. DEGREE EXAMINATION, May 2015

(COMPUTER SCIENCE)

(SECOND SEMESTER)

252: DIGITAL IMAGE PROCESSING

Time: Three hours

Maximum: 100 marks

SECTION-A

(8×5=40)

Answer any EIGHT questions

1. Discuss the light and electromagnetic spectrum in digital image processing.
2. Write a note on histogram equalization.
3. Explain in detail about Geometric mean filters.
4. Explain about coding Redundancy in detail.
5. Write about the various image formats.
6. Write a short note on Ostu method.
7. Discuss about the use of motion spatial technique in digital image processing.
8. Describe in detail about constrained least square filtering.
9. Explain about first order derivative for non linear image sharpening.
10. Write a short note on neighbours of Pixels.

SECTION-B

(3×20=60)

Answer any THREE questions

11. Explain in detail about image sampling with quantization and distance measures.
12. Discuss in detail about spatial filtering techniques.
13. Describe in detail about notch filter and optimum not filtering.
14. Explain briefly about lossy compression methods.
15. Discuss in detail about image segmentation.
