SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)
(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.
M.Sc. - END SEMESTER EXAMINATIONS NOVEMBER - 2022
SEMESTER - II

20PCSCT2005 - Digital Image Processing

Total Duration : 2 Hrs 30 Mins. Total Marks : 60

Section A

Answer any **SIX** questions $(6 \times 5 = 30$ Marks)

1. Explain about Digital Image Processing Operations with example.
2. Write short notes on Haar Transform with neat diagram.
3. Describe Model of the Image degradations.
4. Discuss about Huffman Coding.
5. Illustrate Gradient Operators in Edge Detection.
6. Discuss about Spatial Filtering Concepts.
7. Write short notes on Salt and Pepper Noise with example.
8. Explain the different types of Redundancy.

Section B

Part A

Answer any **TWO** questions $(2 \times 10 = 20$ Marks)

9. Briefly explain about the Color models in Color Image Processing.
10. Discuss briefly about the mechanics of Spatial Filtering with neat sketch.
11. Explain briefly about Image restoration in the presence of noise.
12. Discuss about Lossy predictive coding?

Part B

Compulsory question $(1 \times 10 = 10$ Marks)

13. What is Thresholding? Explain the types of Thresholding with example.

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