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.(CS) - END SEMESTER EXAMINATIONS APRIL - 2023
SEMESTER - II

20PCSCT2005 - DIGITAL IMAGE PROCESSING

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

Section B

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

1. State the applications of image processing.
2. Illustrate the steps in image processing system.
3. Apply the concept of Fourier Transform.
4. Classify the types of image degradations.
5. Sketch the importance of image compression model.
6. Relate Huffman coding with Lossy predictive coding.
7. Rephrase the meaning of Thresholding.
8. Determine the concept of Region growing.

Section C

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

9. Classify the image processing operations.
10. Apply the image restoration techniques on a given digital image.
11. Examine the types of Lossy compression algorithms with suitable examples.
12. Compare and contrast Image Segmentation techniques.

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

13. Distinguish between Spatial filtering and Frequency domain filtering.

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