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S₅ (PCA05E08) MCA

MCA 5th Semester Mid Term Examination-2023 Name of Subject: Digital Image Processing Paper code: PCA05E08

Full Marks: 20 Marks

Time: 1 Hr

The figures in the margin indicate full marks for the questions

Part A -(4*1)=4 marks

- 1. What is quantization?
- 2. An image is 1200 pixels wide and 1200 pixels high. The image was scanned at 300 dpi. What is the physical size of the image?
- 3. What is digital halftone process?
- 4. What is salt and pepper noise?

Part B-8 marks

5. State the differences between DICOM and GIF file format

2

6. How arithmetic mean filter differs from contra harmonic filter?

3

7. Briefly explain the different levels of image processing operations with a block diagram

3

Part C-8 marks

8. Perform histogram equalization for the 8*8 image as shown in below Table.

4

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9. Apply	DFT to	the fo	ollowin	g seque	ence and	verify	whether it	works.
9. Appry	Direc							

4

 $X = \{1289\}$
