2018
MCA
MCA : 5.4
IMAGE PROCESSING
Full Marks: 75
Time: 3 Hours

The figures in the margin indicates full marks for the questions

1. Fill in the blanks   1×5=5
   i.   dither () function is used to convert an image into _____ format
   ii. To enhance contrast of an image using Histogram equlisation,.................... function is used
   iii. imshow() is used to............... an image
   iv. fft2 () function is used to ....of an image
   v.   bpp stands for..

2. What is Image Processing? Give the steps involve in Digital Image Processing.   2+8=10

3. Define Pixel. What is Bit Per Pixel?   3+5=8

4. Write briefly about the Resolution of an Image. Give the different types of Bitmap formats of an image.   5+5=10

5. What are different types of digital image? Explain.   5

6. What is image enhancement? Write a program to enhance the appearance of an image.   5+5=10

7. What is Image Restoration? Explain.   7

P.T.O

8. Write short notes: (any four)   5×4=20
   i. Colour image
   ii. Pulse Code Modulation
   iii. Image Acquisition
   iv. Feature Extraction
   v. Image Transforms

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