

Reg. No.:			

Question Paper Code: 52408

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2017 Seventh Semester

Electronics and Communication Engineering EC 2029 – DIGITAL IMAGE PROCESSING

(Common to Electronics and Instrumentation Engineering)

(Regulations 2008)

(Also common to PTEC 2029 – Digital Image Processing for BE (Part – Time)

Seventh Semester – ECE – Regulations 2009)

Time: Three Hours

Maximum: 100 Marks

Answer ALL questions.

PART - A

 $(10\times2=20 \text{ Marks})$

- 1. What do you understand from mach band effect and simultaneous contrast?
- 2. Write note on conversion of RGB to HSI.
- 3. Describe the PDF of exponential noise and sketch the PDF.
- 4. Define geometric mean filter.
- 5. How a degradation process is modeled?
- 6. Give the difference between Enhancement and Restoration.
- 7. Give the properties of the second derivative around an edge.
- 8. What is global, local and dynamic or adaptive threshold?
- 9. Write the need for compression.
- 10. Define I, P and B frames.



