

Bachelor Of Computer Application - III Sixth Semester (Old)
6BCA2-Paper-II : Image Processing And Analysis

P. Pages : 1

Time : Three Hours



GUG/W/18/1118

Max. Marks : 80

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw Neat and labelled diagram and use supporting data wherever necessary.
 3. Avoid vague answers and write specific answer related to questions.

Either

1. a) Explain the components of Image processing system in detail? **8**
b) Write a short note on image sensing and acquisition? **8**

OR

- c) Explain the sampling techniques in detail? **8**
d) Write a brief note on photo metric model with reference to intensity? **8**

Either

2. a) Explain Least – square error restoration in short? **8**
b) Explain the Homo-morphic filtering in detail? **8**

OR

- c) Explain the image sharpening in brief? **8**
d) Explain Restoration in detail? **8**

Either

3. a) Explain the loss-less compression method in detail? **8**
b) Write a short note on Block truncation code? **8**

OR

- c) Explain about the Region splitting and merging with examples? **8**
d) Explain different types of Threshold selection method? **8**

Either

4. a) Explain the following. **8**
i) Line Detection ii) Comer Detection
b) Explain Boundary Based description in brief? **8**

OR

- c) Explain in brief about syntactic recognition? **8**
d) Explain fuzzy mathematical recognition in brief? **8**

5. Solve all the questions.

- a) Write a short note on camera calibration? **4**
b) Explain in brief about smoothing? **4**
c) What is processing of satellite image? **4**
d) Write a short note on clustering? **4**
