

## PATAN CAMPUS

B.Sc. CSIT VI SEMESTER ASSESSMENT-II, 2070

**SUBJECT:- Image Processing (CSC- 363)**  
**TIME: 1 hour**

FULL MARKS: 30  
PASS MARKS: 12

*Attempt any 3 questions. All questions carry equal marks (10 each).*

1. What do you mean by segmentation by thresholding? How can we choose thresholds?
2. Define edge detection. Explain how edge can be detected using gradient filter.
3. What do you mean by classifiers? Explain any one classifier.
4. Define perception. Explain how neural network can be used for pattern recognition?
5. Differentiate between:
  - a. Dilation and Erosion
  - b. Hopfield nets and Hamming nets
6. Write short notes on: [any TWO]
  - a. Wavelet Transform
  - b. Template Matching
  - c. skeleton filter and its algorithm

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