

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TEST 1 EXAMINATION - September 2017
B.Tech BT/BI VII Semester

COURSE CODE: 11B2WBT852

MAX. MARKS: 15

COURSE NAME: Computational Biomedical Image Analysis

COURSE CREDITS: 3

MAX. TIME: 1HR

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.

1. Discuss the advantages and disadvantages of any three medical imaging modalities.
2. Explain any three Affine Transformations used in image processing.
3. Explain the following:
 - a. 4- Adjacency
 - b. 8- Adjacency
 - c. m- Adjacency
4. Draw electromagnetic spectrum with respect to frequency, wavelength and energy of one photon.
5. Explain the following MATLAB functions and write their syntax:
 - a. imwrite
 - b. imresize
 - c. imcomplement

BT-7, BT