UNIT 1

1>compare direct and indirect imaging, with block diagram explain Biomedical image processing and its applications.

2>what is electromagnetic spectrum elaborate its application in biomedical image processing.

3>what is resolution? Emphasize different resolution in biomedical.

4>explain sampling and quantization.

5>list different biomedical image Modalities and compare its advantages and disadvantages.

6>explain image transforms.

7>with relevant equations explain DCT, DWT, Transforms.

8>Compare super Resolution and image fusion in biomedical image processing.

9>compare image enhancement and image restoration.

10>explain how image transforms can be used for data compression and feature extraction.

11>explain image fusion with two different modalities.

12>review on super resolution, image fusion, image transforms.

13>Explain frontier of image processing in medical.

14> explain pixel neighbours, adjacency and distance measure with relevant equations and diagrams.