## Minor-1 EEL707, EEL786

X. Design a losses progrossive unage compression scheme for 12 bit X-ray images such that an approximation can be reconstructed first at the viewing station and gots refined gradually la produce an error-free display. Provide conceptual block diagram of the encoder and specification design of building blocks. Qualtree as its name suggests is a tree where each node can have almost four Children. Design a ondion estimation algorithm for a H. 264 encodor using qualtree as the basic data structure for searthing optional decorposition of the macroblock. The agosithm should be able to address multi-frame buffer requirement of H. 264 for reducing residual error. Answer Ofdowing questions briefly. (i) What is a vote control module in an encodor? (i) Is there any dependence on the nature of DCT basis functions on blocking artifact? (in) How TPEG 2000 supported ROI coding? (iv) How MPEG-4 Standardised face animation? (4x2=8)