Minor 1 EEL 707, EEL 786

Design a losses progrossive mage compression schame for 12 bit X-ray mages such that an approximation can be reconstructed first at the viewing station anich 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 mane suggets is a tree where each node can have almost four Children. Design a motion extinction algorithm for a H. 264 encoder using quadree as the basic data structure for searthing optional decomposition of the macro block. The adjointhm should be able to address multi-frame buffer requirement of H. 264 for

3.

reducing residual error.

rower delining quedions briefly:

(i) What is a rate control module in an encoder? (ii) Is there any dependence on the nature of DCT basis functions on blocking artifact?

(in) How TPEG 2000 Supports ROI coding?

(iv) How MPEG-4 standardised face animation?

(4x2=8)