Q.P. Code: 16EC422



R16

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UNIT-V9 a What is linear Phase? Deduce the condition for linear phase in FIR filter.5Mb Design a filter with $Hd(e^{j\omega}) = e_{-j3\omega}; -\pi/4 \le \omega \le \pi/4$ 7M $= 0; \pi/4 \le \omega \le \pi$ 7MUsing Hamming window with N = 5.0R10 a Discuss the spectral characteristics of rectangular window.7Mb Discuss the design a linear phase FIR filter using frequency sampling method.5M

R16

*** END ***