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Total No. of Pages : 01

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M.Tech.(ECE)(2016 Batch) (Sem.–2)

DIGITAL SPEECH & IMAGE PROCESSING

Subject Code : MTEC-202

M.Code : 74279

Time : 3 Hrs. Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of eight questions.
2. Each question carries TWENTY marks.

Q1) Explain the IIR filter design methods with examples.

Q2) Explain the different application of FIR &- IIR-filters in the area of speech and image processing.

Q3) Explain the phasor mode in signal speech processing.

Q4) Write note on the hardware use of FIR and IIR filters.

Q5) How Weiner filtering can be used in image restoration?

Q6) Explain in detail about the image segmentation.

Q7) Write note on :

a) Elements of speech recognition

b) Human speech production

Q8) Explain in brief :

a) Components used in image processing

b) Linear Phase FIR filter

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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