

DIGITAL Communication

Written by Administrator
Saturday, 07 November 2009 07:15 -

Subject Code

:

	06EC61
IA Marks	

:

25

No. of Lecture Hrs/ Week

:

04

Exam Hrs

DIGITAL Communication

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:

03

Total no. of Lecture Hrs.

:

52

Exam Marks

:

100

PART - A

Unit - 1

Basic signal processing operations in digital communication. Sampling Principles: Sampling Theorem, Quadrature sampling of Band pass signal, Practical aspects of sampling and signal recovery.

7 Hours

Unit - 2

PAM, TDM. Waveform Coding Techniques, PCM, Quantization noise and SNR, robust quantization.

7 Hours

Unit - 3

DPCM, DM, applications. Base-Band Shaping for Data Transmission, Discrete PAM signals, power spectra of discrete PAM signals.

6 Hours

Unit - 4

ISI, Nyquist's criterion for distortion less base-band binary transmission, correlative coding , eye pattern, base-band M-ary PAM systems, adaptive equalization for data transmission.

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6 Hours

PART - B

