

# Digital Communication

Written by Administrator  
Saturday, 07 November 2009 05:20 -

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Subject Code		:
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IA Marks		: 25
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No. of Lecture Hrs/Week		: 04
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Exam Hours		: 03
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Total no. of Lecture Hrs.		: 52
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Exam Marks		: 100
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## 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.





