



MONAD UNIVERSITY
ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

Established by UP State Govt. Act. No. 23 of 2010, & U/S 2(f) of UGC Act. 1956
N.H-24, Delhi Hapur Road, District Hapur-245101, (U.P.) India
www.monad.edu.in

Programme:- M.Tech.(EC)– IIIrd Sem
Course: Mobile Communication (MT-EC-231)

Assignment No: 2

Due date of submission: 23.10.2017

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
3. Write your Name, programme and Enrolment No. clearly at the top of this page.

Q.1

- a) I know that you are aware to Digital Representation of Analog Signals then write about Pulse Code Modulation (PCM), PCM System and Issues in digital transmission.
- b) I know you are aware about coding then explain Line Coding and their Power Spectral density.

Q.2

- (a) I know you are aware about emphasis then explain Pre emphasis, De Emphasis and SNR Improvement with examples.
- (b) You know about Phase Locked Loop then explain Analog and Digital Phase Locked Loops with the help of diagram.



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Programme:- M.Tech.(EC)– IIIrd Sem

Course: Advanced Digital Signal Processing (MT-EC-232-1)

Assignment No: 2

Due date of submission: 23.10.2017

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Q.1

- a) Explain Round off and Overflow errors.
- b) Describe Interpolators.

Q.2

- (c) Explain Multirate digital signal processing.
- (d) Write the differences between Symmetric and Antisymmetric linear phases.