Name: Anishek Roy Sponsho

ID: 20301269

Sec: 10

is the affective pleasing and property.

Periodie analog agnalor can be classified as aimple are comparite. A since wave wave, a simple periodic analog agnal connot be decomposed into aimples algnalos.

A companie periodic analog Agnal in Composed of multiple sine wower. [[6:19]

The absolute value of a Algnalia areadest internity, related to the energy it courses, in denoted as its peak amplitude.

In communication system only regural go throughs thoromormon media, which tend to deteriorate the quality of arring algual, signal, tit that means the rignal at the beginning of the medium is not the same or the raignal at the end of the medium This impendention causes signal import Impairment.

Courser:

- 1 Attenuation
- Dintontion
 - (3) Noine

O Attenuation— It defines loop of Penergy. The retrength of stonal.

Decreases with increasing distance which causes loop of medium.

Causes loop of Presistance of medium.

Attenuation (dB) = 10 log 20 (P2/P1)

Attenuation (dB) = 20 log 10 (V2/V1)

Dintontion: It denotes changes in

the form on shape of the signal

this is generally seen in companite

signals made up with different

signals made up with different

shequencies. Fach thewevery components

shequencies. Fach thewevery components

though medium, and that the reason of

through medium, and that the reason of

delaying in arriving at he final dentinates,

delaying delaying at different time which leads

Every component arrive at different time which leads

26)

26

bit rate = 72 mbps =72 x 106 bps

No of Agnal = L=69

bit rate=2×Bandwidth ×1092

=> 72 × 106 = 2× Bandwidth × 10226

=> Bondwidth = 72 × 186

: Bardwidth = 6×106