

## SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)
Coimbatore – 35



## DEPARTMENT OF BIOMEDICAL ENGINEERING

## **Chargaffs rule of DNA composition**

DNA has equal number of adenine and thymine residues (A=T) and equal number of guanine and cytosine (G=C) residues. This is known as Chargaffs rule of molar equivalence between purine and pyrimidines in DNA.

## **Structure of Nucleotides**

Nucleotides are the fundamental units of nucleic acids. Each nucleotide is comprising of a

- i) Phosphate group
- ii) ii) Pentose Sugar and
- iii) iii) Nitrogenous base.

Sugar + Base → Nucleoside

Nucleoside + Phosphate → Nucleotide

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