SNS COLLEGE OF TECHNOLOGY

An Autonomous Institution

Coimbatore-35

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A+' Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

19ECB201-ANALOG ELECTRONIC CIRCUITS

II YEAR/ III SEMESTER

UNIT 5 – IC MOSFET AMPLIFIERS

TOPIC – IC Amplifiers: IC biasing

IC Biasing

* In Integrated circuit designs biasing circuits use constant - current sources.

* Here, the constant d.c current called reference current is generated at one location 4 is then replicated at various other locations for biasing the various stages of amplifiers present in the circuit.

* This process is known as current steering. ·X 2 Mark

Advantages of current steering proces

* 2 Marks

* The external components such as precision resistors required to generate a predictable & stable reference current, need not be repeated for every amplifier stage.

* The bias currents of the various stages track each other when there is any change due to power-supply voltage (or) temperature.

THANK YOU