

SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution) Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai Accredited by NAAC-UGC with 'A++' Grade (Cycle III) & Accredited by NBA (B.E - CSE, EEE, ECE, Mech & B.Tech.IT) COIMBATORE-641 035, TAMIL NADU







 (b) Apply the suitable bridge concept for finding the capacitance of capacitors for an AC bridge to be balanced. Draw the circuit diagram of schering's bridge and derive the 14 CO2 APP expressions for the unknown quantities

Bloom's Taxonomy:

 $\label{eq:result} REM-Remember \quad UND-Understand \quad APP-Apply \quad ANA-Analyze \ EVA \ - \ Evaluate$

CRT - Create



(OR)

 (b) Explain how unknown resistance is measured in terms of known resistance using wheat stone bridge and also derive the equation for balanced condition with numerical 14 CO2 APP calculations.

Bloom's Taxonomy:

REM – Remember **UND** – Understand **APP**– Apply **ANA**– Analyze **EVA** - Evaluate **CRT** - Create