ANJUMAN-I-ISLAM'S
KALSEKAR TECHNICAL CAMPUS, NEW PANVEL
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☑ SCHOOL OF ENGINEERING & TECHNOLOGY
☐ SCHOOL OF PHARMACY
☐ SCHOOL OF ARCHITECTURE

DEPARTMENT OF ELECTRICAL ENGINEERING

ELECTRICAL & ELECTRONIC MEASUREMENTS

QUESTION BANK

MODULE 4: Measurement of Inductance & Capacitance

Q1) Explain the construction & working of Maxwell Inductance Capacitance Bridge? Also derive the equation for unknown inductance draw the Phasor diagram

Q2) Explain Anderson's bridge for measuring self inductance. Draw a neat circuit diagram and Phasor diagram. Derive expression for self inductance under balance condition. State the advantage & disadvantage

Q3) Explain De Sauty's bridge with circuit diagram, Phasor diagram, derive the expression for measuring the capacitance of a capacitor and also write in detail how the bridge can be modified to measure dielectric loss of a capacitor.

Q4) Describe the working of a low voltage Schering bridge. Derive the equation for capacitance & dissipation factor

Q5) Justify Hay's bridge is suitable for measuring inductance of high Q coils. Draw its circuit diagram & Phasor diagram

Q6) Short note on basic Q meter

Q7) Explain different types of detector used in AC Bridge

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Vision : To be the most sought after academic, research and practice based department of Electrical Engineering
that others would wish to emulate.