## Government College of Engineering, Amravati Department of Electronics

Course Code: ETU302 Course Name: CDIT

CT-I

Time: 1 hr Marks: 15

## Attempt any THREE

- Q.1 Suggest the DC bridge used for the measurement of low resistance without 05 causing the effect of contact resistance and prove that how the effect of contact resistance eliminated?
- Q.2 Define transducer with classification. Enlist and Explain the different parameter 05 required for selection of electrical transducer.
- Q.3 How stray capacitances affecting bridge measurement and how to eliminate its of effect?
- Q.4 Explain Hay's Bridge. Find the value of series inductance (Lx) and resistance 05 (Rx) in network for  $R_2=10k\Omega$ ,  $R_1=2k\Omega$ ,  $C_1=1\mu F$ ,  $R_3=1k\Omega$  and  $\omega=3000$  rad/sec.

Rr. R. = Rs. Rs.

Rr. R. = Rs. Rs.

Rr. Rs.

Rr. Rs.