



**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 6: Transducers

- Q1 What is electrical transducers? Differentiate between active & passive transducers
- Q2 What are the basic requirements of Transducers
- Q3 Give the classification of transducers & explain mechanical and electrical transducers
- Q4 What is the difference between thermocouple & thermistor?
- Q5 Explain the construction & working of LVDT
- Q6 Explain the construction & working of thermocouple & also mention its advantages & disadvantages
- Q7 Explain the construction & working of RTD
- Q8 Explain with the neat sketch Piezo electrical transducers and derive the expression for magnitude voltage across the load by making simplifying assumption
- Q9 Explain the construction & working of Resistance pressure transducers
- Q10 Explain how temperature can be measured with the use of thermistor
- Q11 How digital meters are advantageous than analogue meters
- Q12 Write short note on photo electric transducers
- Q13 Compare RTD, thermistor and thermocouple
- Q14 How cold junction and lead compensation is provided for thermocouple? Also state need for compensation