**BIJU PATNAIK INSTITUTE OF TECHNOLOGY MOTTO, PURI**

**(GOVERNMENT POLYTECHNIC,PURI)**

**INSTUMENTATION AND CONTROL (EET-404)**

**MODEL QUESTIONS**

1. What is transducer?
2. Classify transducer. Give examples of various class of transducer.
3. What is Potentiometer& where it is used.
4. What is gauge factor?
5. Explain principle of linear variable differential Transformer (LVDT)&its uses.
6. Explain working principle of capacitive transducer.
7. What are the advantages and disadvantages of capacitive transducer?
8. Explain the working principle of Piezo electric Transducer and its applications.
9. Explain the working principle ofCathode Ray Tube.
10. Explain the principle of measurement of low pressure by Pirari gauge.
11. Distinguish between open loop control system & closed loop control system.
12. What is feedback and what are its effects?
13. What is servomotor?
14. Derive transfer function.
15. Define Stability of control system.
16. Explain necessary conditions for stability.
17. Explain application of Routh stability criterion to liner feedback system.