



**JAYALAKSHMI INSTITUTE OF TECHNOLOGY, THOPPUR 636352**  
**OFFICE OF THE CONTROLLER OF EXAMINATIONS**  
**INTENSIVE ASSESSMENT TEST -I**

**Year/Sem :VI/VIII**

**Branch :ECE**

**Name of the Subject: EC8094– SATELLITE COMMUNICATION**

**Max.Marks: 50**

**Duration : 1.30 hrs**

**Date : 06 /03/24 FN**

CO1: Understand the basics of MEMS design aspects, CO2: Apply the knowledge in the development of electro static sensors and actuators

K1-knowledge, k2-comprehension, k3-analysis, k4-synthesis, k5-applications, k6-evaluation

**PART-A (5\*2=10)**

1. Define inclination. (CO1, K1)
2. What are Napier's rules? (CO1, K1)
3. State the meaning of urban disaster. (CO1, K2)
4. Write short notes on station keeping. (CO2, K3)
5. What is mean by payload? (CO2, K2)

**PART-B (Answer any five Question) (5\*8=40)**

1. Explain in detail about launching procedure (CO1, K2)
2. Explain in detail about look angle determination. (CO2, K3)
3. State kepler's three laws of planetary motion. (CO1, K3)
4. Explain about antenna subsystem in details. (CO2, K1)
5. Explain what is meant by satellite attitude, and briefly describe two form of attitude control. (CO1, K2)
6. Draw the block diagram of TT&C and explain each blocks. (CO2, K4)
7. Explain in detail the geocentric equatorial coordinate system which is based on the earth's equatorial plane. (CO2, K1)
8. What is mean by thermal control and it's necessary in satellite? (CO2, K1)

**SUBJECT STAFF**

**HOD**