

University Institute OF Engineering and Technology

Minor-1

Class : ECE 1,2

Maximum marks : 30

Semester: 6th

Time : 1:30 hrs.

Subject : Satellite Communication

Note:- All Questions are compulsory.

- Q1 (a) What do you mean by look angle and what is its significance? 2
- (b) What do you mean by sub satellite point? 2
- (c) What is the importance of calculating coverage angle? 2
- (d) Differentiate Active and Passive satellite. 2
- (e) Why uplink and down link frequencies are different in satellite communication? 2
- Q2 State Kepler's three laws of planetary motion. Illustrate in each case their relevance to artificial satellite orbiting the earth. 5
- Q3. Explain how solar eclipse affects the working of a communication satellite? Mention the duration and months when the eclipse effects are maximum. 5
- Q4. Explain in detail about TT&C subsystem with the help of diagram. 5
- Q5. With the help of block diagram explain the function of Transponder. 5