BACHELOR OF TECHNOLOGY (C.B.C.S.) (2014 COURSE)
B.Tech.Sem - VIII E & TC : WINTER- 2022
SUBJECT : SATELLITE COMMUNICATION

Day : Friday   Time : 02:30 PM-05:30 PM

Date : 25-11-2022   **W-13376-2022**   Max. Marks : 60

N.B.:
1) All questions are **COMPULSORY**.
2) Figures to the right indicate **FULL** marks.
3) Assume suitable data if necessary.

Q.1	Explain look angle determination in detail.	**(10)**
	OR	
Q.1	What is mean by Orbital perturbation? Explain with its longitudinal and inclination changes.	**(10)**
Q.2	Draw and Explain Attitude and Orbit Control System (AOCS) in detail.	**(10)**
	OR	
Q.2	Explain Equipment Reliability with its bathtub curve.	**(10)**
Q.3	Derive the equation for System Noise Temperature and G/T ratio.	**(10)**
	OR	
Q.3	Draw and Explain Satellite System using small earth station	**(10)**
Q.4	Explain Architecture for Satellite Networks in detail.	**(10)**
	OR	
Q.4	What do you mean by Frame Organization? Explain in detail.	**(10)**
Q.5	Explain Coverage and Frequency Consideration in detail.	**(10)**
	OR	
Q.5	What is Teledesic? Explain in detail with its schematic block diagram.	**(10)**
Q.6	Draw and Explain Digital DBS TV.	**(10)**
	OR	
Q.6	How GPS find position Location? Explain Ranging equation in detail.	**(10)**

*   *   *   *