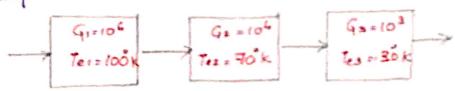
18ECE 2237 - SATELLITE COMMUNICATION & BROADCASTINS

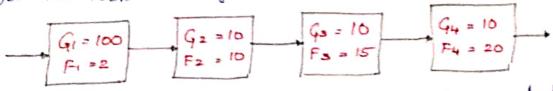
ASSIGNMENT T

- 1. Calculate the power gain of parapoloid reflector antenno with a menth diameter of 8m at 6 GHz. Let antenno aporture efficiency to be 75%. Let antenno diameter be reduced to 6m. Find power gain. Compare the result and give your inference.
- 2. Fino the equivalent write temporate for the Given below awangement.



What injust the dreak will have if To, is reduced to 20 kelvin.

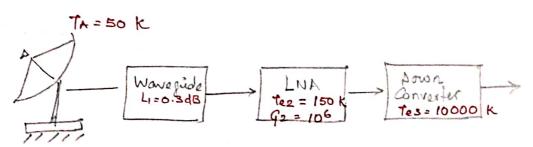
3. For the below awangement find be Notice Tiphe (F)



Find what will happen of Fing increased to 10. Analysize the result.

4. The rayer between a ground station and a retellile is 42000 km Calculate free space loss at a frequency 6543, 4543 and 12548. In for the answer.

5. For the Siven awayement find the G/7 min is dB. Let to be 290° kelvin.



Déferences:

- 1. Satellite Communications by Dr. D.C. Agrir wal, by Khanna Publishors.
- 2. Satellite Communications by Demis Roddy, Mc, grew Hill Publishers.