

DEPARTMENT: ELECTRICAL

SEMESTER: 7th

SUBJECT CODE: 2170901

SUBJECT: INTERCONNECTED POWER SYSTEM FACULTY NAME: ASST PROF. ANKUR JHA

ASSIGNMENT: 2

- 1. Explain the method of formation of Y bus using singular transformation method.
- 2. Explain step of modification of Z- bus when a link is added to the existing network. None of the bus is a ground to which this link is connected.
- 3. Explain the property of Y- bus matrix.
- 4. In the equation $Y_{BUS} = A^{T}YA$ what are matrices Y and A? also mention their damnations.
- 5. From the Y_{BUS} by using singular transformation method for the network show in fig. including the generator buses.

