E.G.S.PILLAY ENGINEERING COLLEGE, NAGAPATTINAM  
DEPARTMENT OF EEE

**Model Exam  
EE2351&POWER SYSTEM ANALYSIS**

Class/Sem : III/VI Date : 6/4/15

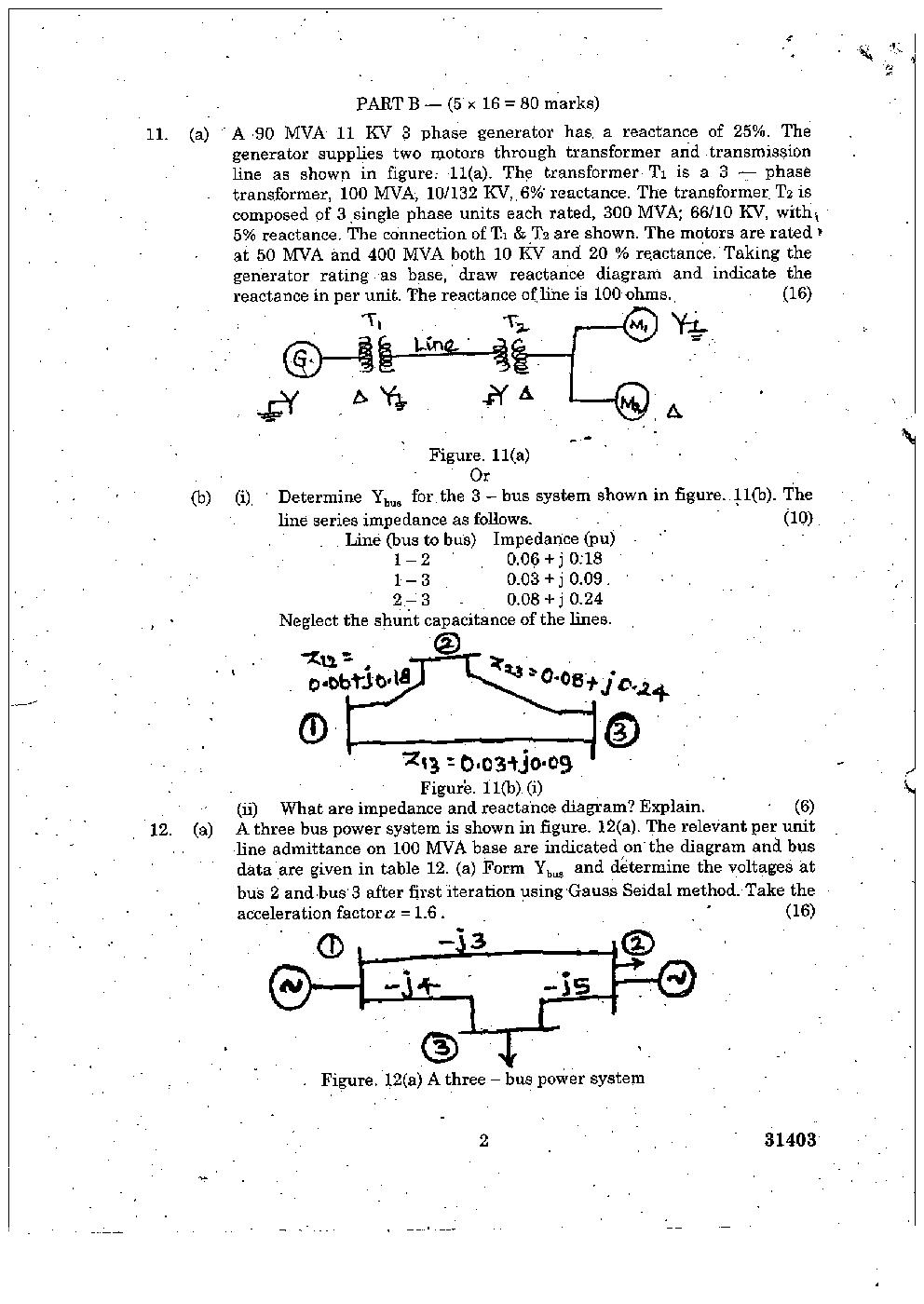
Staff Name:AARTHI.B Duration: 3 hrs

Max. Mark:100

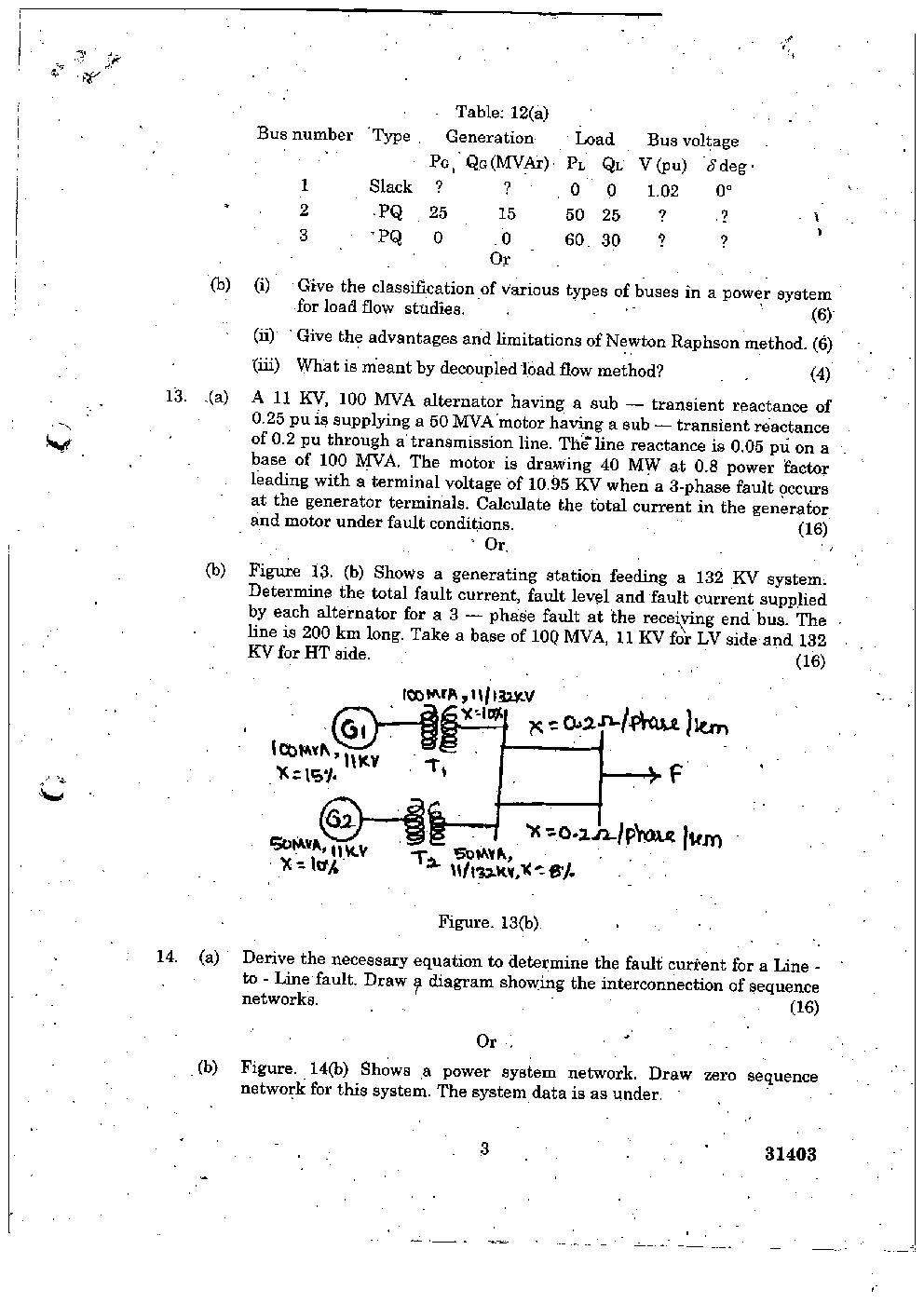
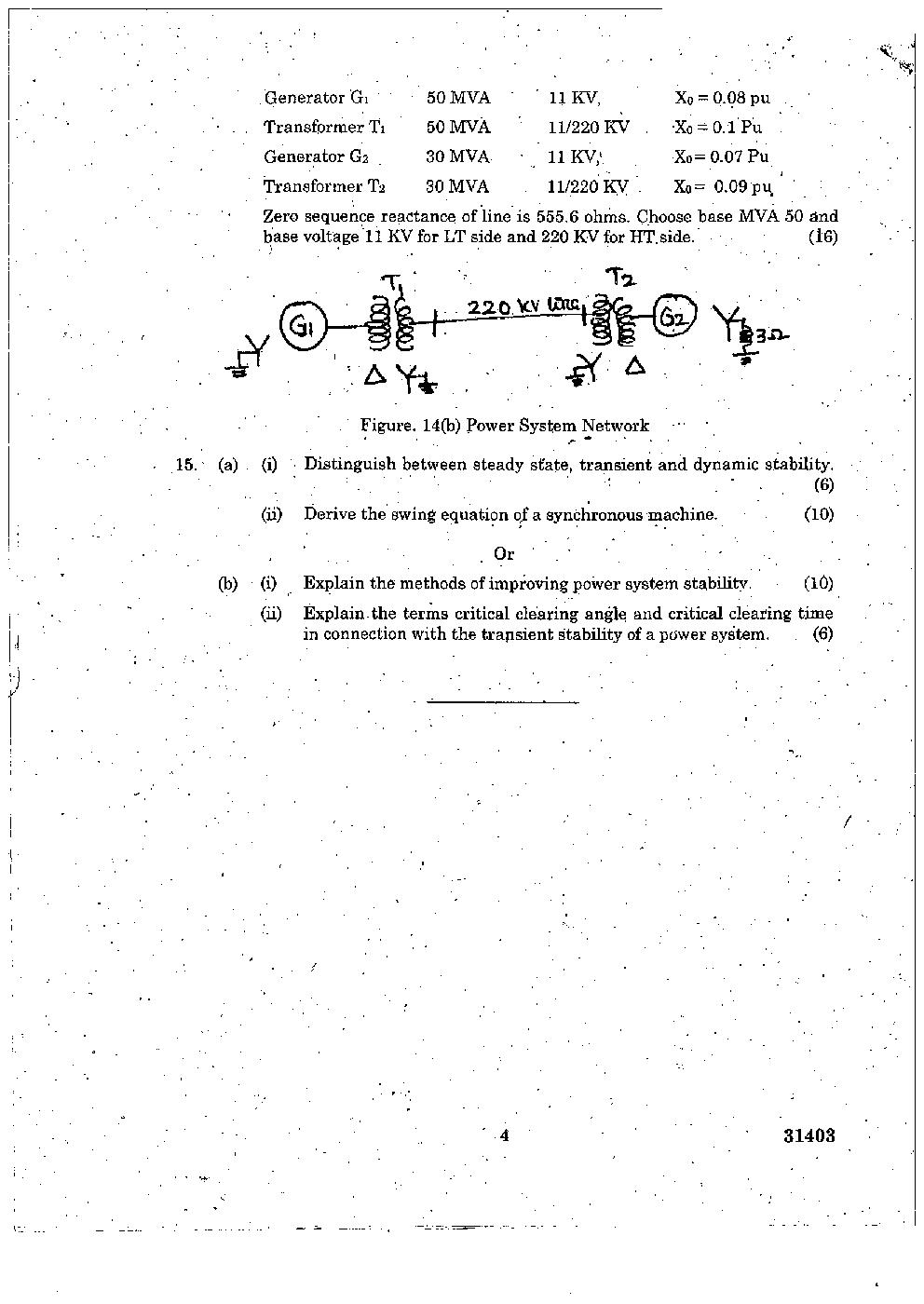
PART-A

Answer all the questions(10X2=20)

1. What are the function of modern power system(co1)(understanding)
2. Name the diagonal off diagonal element of y bus matrix(co2)(remembering)
3. Why do we use ybus in load flow studies rather than zbus(co3)(understanding)
4. When will generator bus treated as load bus(co3)(analyzing)
5. What is the order of severity and occurrence of faults.(co4)(co5)(understanding)
6. What are the characteristics of shunt and series fault(co4)(understanding)
7. What are the observation from the analysis of various fault(co4)(co5)(understanding)
8. Write a boundry condition for single line to ground fault(co4)(co5)(understanding)
9. Different between voltage stability,rotor angle stability(co6) (analyzing)
10. What is swing curve usage of swing curve(co6)(understanding)



Co2 analyze



Co3 analyze

Co2 analyze

Co6 applying

Co5 applying

Co6 analyze

Co5 applying

Co4 applying

Co4 applying

Co3 undersandting