

Unit II

Recurrence relations: Recurrence relation, modelling with recurrence relations, homogeneous linear recurrence relations with constant coefficients, Method of inverse operator to solve the nonhomogeneous recurrence relation with constant coefficient, generating functions, solution of recurrence relation using generating functions.

Read the instructions carefully

1. *There will be total 20 questions, of which 10 are of 1 mark each and 10 are of 2 marks each.*
2. ***There will 25% negative marking.***
3. *CA-II will be held on 4 Oct, 2021 from 6-7 pm.*
4. ***Time allowed: 55 minutes.***
5. *CA-II will be conducted on OAS platform.*
6. ***Switching b/w tabs in browser is not allowed. After few warnings, test will be automatically submitted. No excuses will be entertained later on.***
7. *Kindly make the necessary arrangements regarding internet connectivity to avoid any problem during CA.*