

Unit I

Logic and Proofs : Propositional logic, propositional equivalences, quantifiers, Introduction to proof, direct proof, proof by contraposition, vacuous and trivial proof, proof strategy, proof by contradiction, proof of equivalence and counterexamples, mistakes in proof.

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-I will be held on 13 Sept, 2021 in your scheduled lecture.*
4. ***Time allowed: 55 minutes.***
5. *CA-I 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.*
8. ***It is mandatory to join myclass during CA. Your attendance will be considered from myclass platform only. No manual attendance and rectification will be done after CA.***