ToC 2016m Quiz-2. Maximum Marks 20. Write your answers in the given space only. Use additional sheet for doing your rough work. Return only the answer sheet, that is , this paper back.

Your Roll No: Your Name:

1. For the grammar { ***S→AB|BC, A→BA|a, B→CC|b, C→AB|a*** }, apply CYK algorithm (do table filling) and thus find whether the sentence ***ababa*** is in the language or not

2. For the grammar (a) Eliminte - productions, (b) Eliminate any unit productions in the resulting grammar, (c) Eliminate any useless symbols in the resulting grammar, (d) convert the resulting grammar in to Chomsky normal form.