Revision: Week 3 Due: Spm on 2nd Sept. Instructions · Discussion is allowed and infact encouraged · Answers must be written by yourself. · All sources (including discussions) that are used to reach the solution must be mentioned. Argn Correctness = Describe what each of the states / rules are supposed to be doing and using they do that. () Give a CFG that generates the foll. langrage over \$0,13. 2 w: w hars odd length and starts & ends with the same symbol? Argue correctness. Also give an example of a string in this language and show the parse tree corresponding to its drivation

using your grammar. [3+2+1/2+11/2] (2) Convert the following CFG into one in Chomsky Normal Form. A -> BAB | B | E B->00/8 [47 3 Construct a PDA for the following language. The complement of Earbn: n≥0'g Argue correctuess. [2+2] (4) Use the pumping lemma to show that the following language is not context-free: {on in on in in > 0} [S]