COL202: Discrete Mathematical Sturctures. I semester, 2017-18.
Quiz 4
14 August 2017
Maximum Marks: 4

Name	Ent. No.

Important: Keep your answer within the box. Anything written outside the box will be treated as rough work. Do your rough work on the free space on the flip side of this sheet.

Q. How many *sequences* of n letters can be formed using the letters A, B and C such that the number of As is odd and the number of B's is also odd. You *must* use an exponential generating function argument to establish your answer.