

COL202: Discrete Mathematical Structures. I semester, 2017-18.

Quiz 4

14 August 2017

Maximum Marks: 4

Name	Ent. No.
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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 A's is odd and the number of B's is also odd. You *must* use an exponential generating function argument to establish your answer.