COL202: Discrete Mathematical Structures. I semester, 2017-18. Quiz 7 ${11~{\rm September~2017}}$

Maximum Marks: 4

Name		Ent. No.	
		ng written outside the box will be treatespace on the flip side of this sheet.	ed as
land in any bin and the proba- the bins). Show that if $m = n$	bility of landing in each $\ln n$ the probability that	in uniformly at random into a bin (i.e. shin is the same as that of landing in a bin number 1 is empty after all the bal the base e of n .) You may use the ineq	any of lls are