## COL202: Discrete Mathematical Structures. I semester, 2017-18. Quiz 8 18 September 2017

Maximum Marks: 4

Name	Ent. No.
	hin the boxes. Anything written outside the box will be treated as ugh work on the free space on the flip side of this sheet.
Here we will draw a Hasse diagram to some probability distribution (it of i coin tosses. Use the following not e.g., if a set contains all strings of ty	that any $\sigma$ -algebra defined on a finite set actually forms a lattice of a $\sigma$ -algebra. Let us consider three coin tosses thrown according can be anything). Let $\mathcal{F}_i$ be the $\sigma$ -algebra corresponding to the first station for sets: $A_{\text{shortest}}$ possible description of what $A$ contains type TH or HT we will write $A_{\text{TH or HT}}$ . Draw the Hasse diagram hose nodes of the diagram that also appear in $\mathcal{F}_1$ .

Continue overleaf

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rivial-soun	ding result that	t the probability	y of getting a	blem 2 to argue head (H) when matter how the	we toss a sing	le coir