

**CS 302
QUIZ 10****27 December, 2016**

A TM M is defined by the following computation :

$$(s ; \# w , \#) \vdash^*_M (h ; \# w^R , \#)$$

where $w \in (\Sigma - \#)^$, w^R denotes the string w written in reverse ; h denotes the halt state and s is the initial state.*

Describe the operational details of M using either a graphical or a tabular version of a two-tape ; two-head TM using composition of basic TMs.