Test 6
3- Draw the FBD of the knots at C and E .


Solution:
Free body diagram at E:


Free body diagram at C :

(Force of cord EC acting on ring $E$ )
(Force of ring $E$ acting on cord $E C$ ) ActionReaction (action-
38.6 lb acting on cord $E C$ ) (Force of cord EC acting on ring $C$ )

