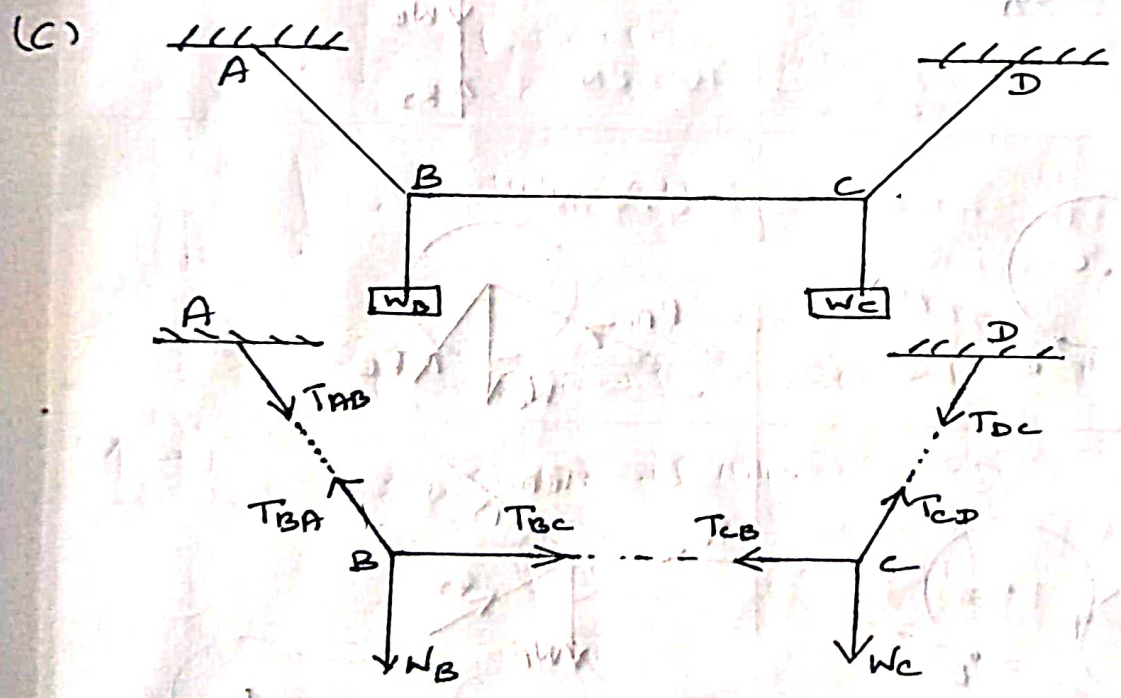
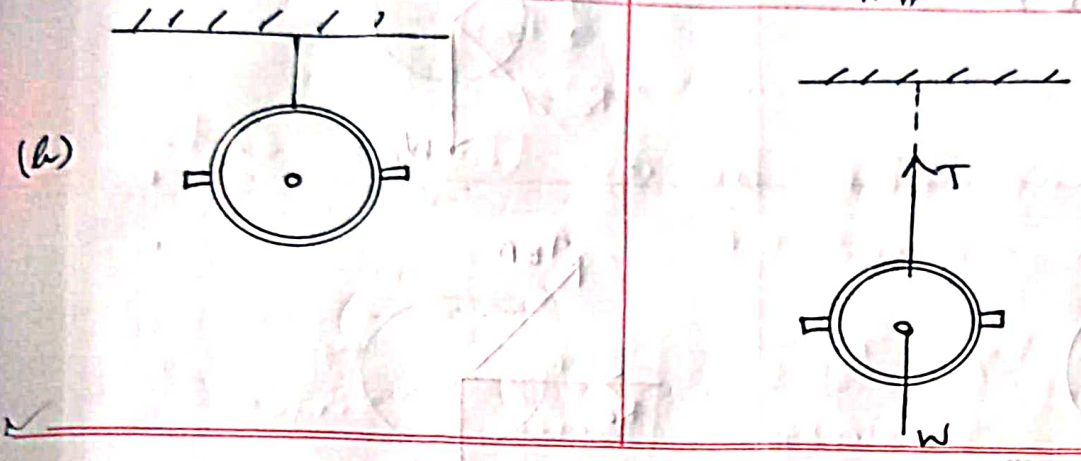
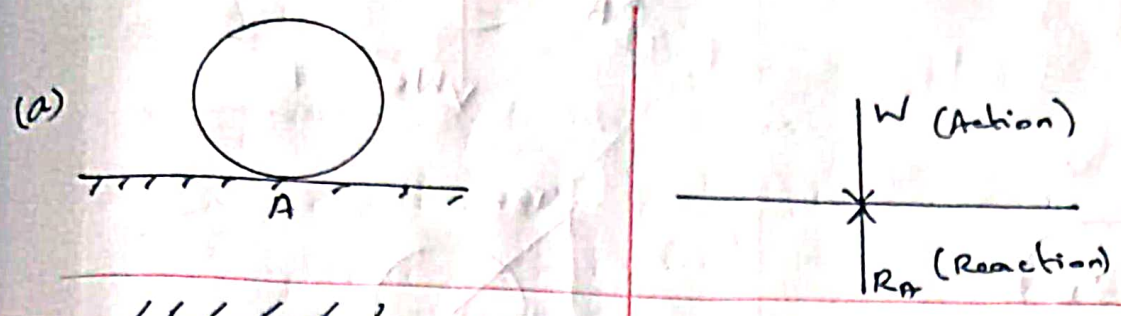


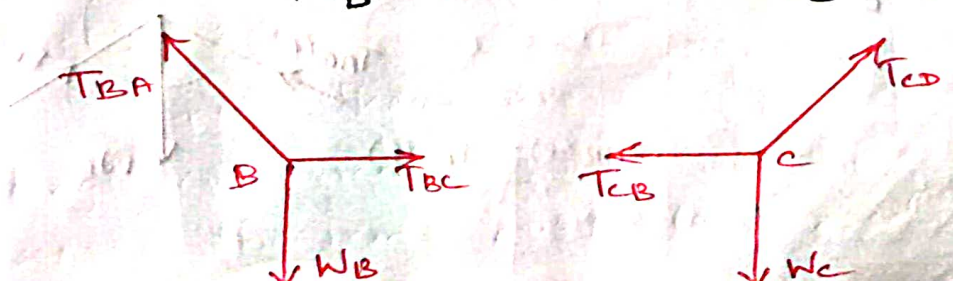
FREE BODY DIAGRAM.

It is a graphical representation of an object that shows the relative magnitude & direction of the applied forces and resulting reactions on it under the given condition.



Given construction

FBD of given construction



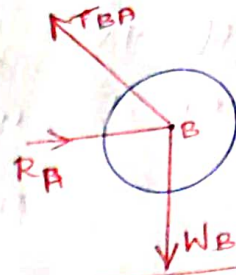
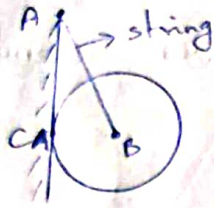
Simplified FBD for separate systems B and C

13 Sketch the FBD of the following bodies under equilibrium

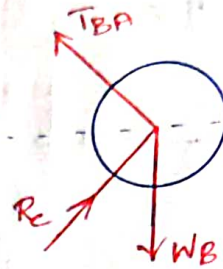
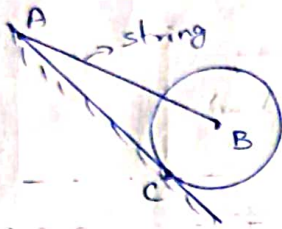
No. Bodies under equilibrium

Free body diagram

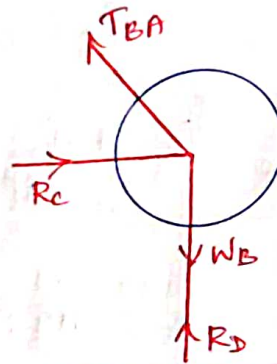
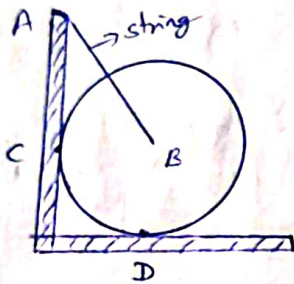
1.



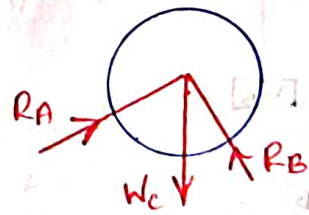
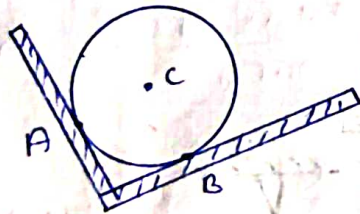
2.



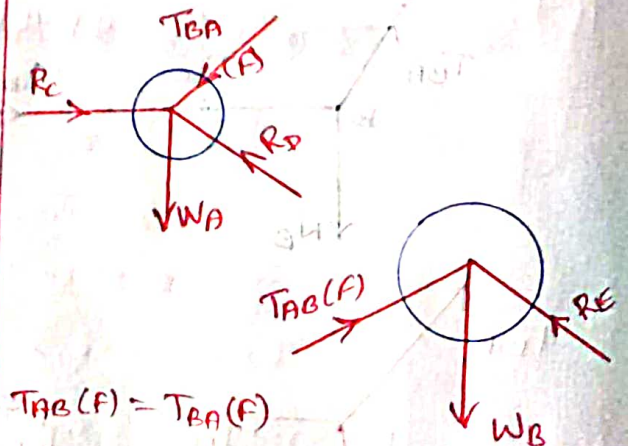
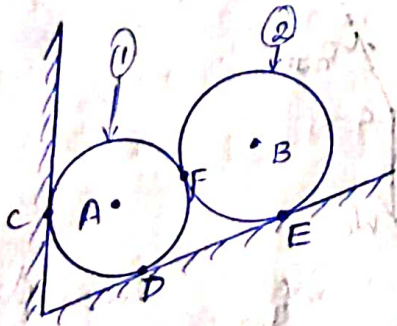
3.

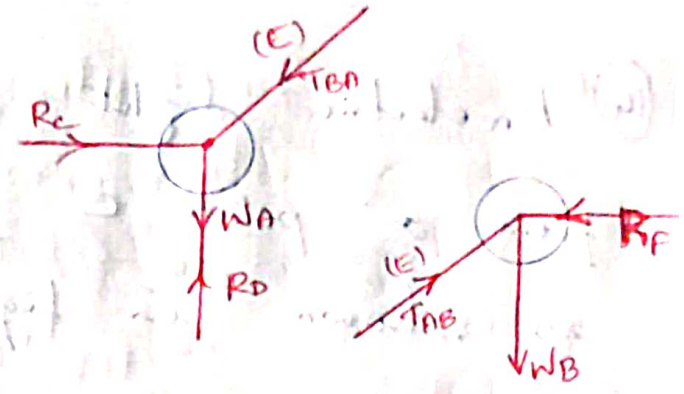
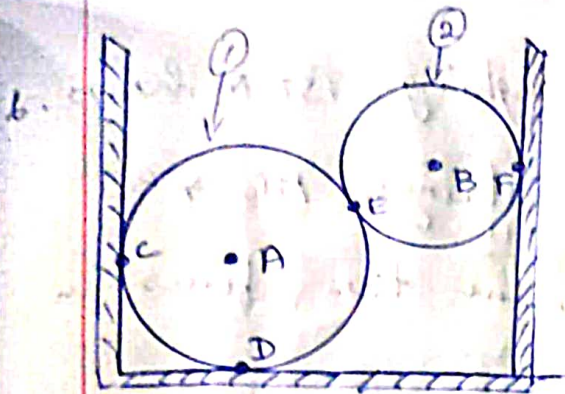


4.



5.





$$T_{AB}(E) = T_{BA}(E)$$

