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Kafrelsheikh University Faculty of Engineering

Mechanical Engineering Department

Final Term Exam

Name: Theory of Structures

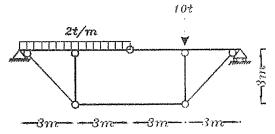
Data: 9 /1 / 2017 Time Allowed: 3 hr Full mark: 70

Karrafsholkh University No. of page: 2

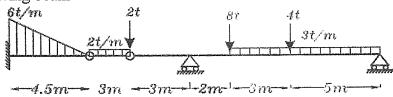
Academic number: CES1147

Answer all question

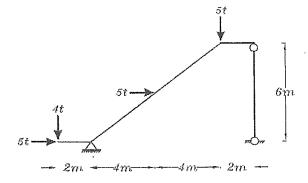
1- Calculate the reactions and the forces in the link members if any, for the shown structure.



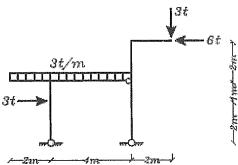
2- Calculate the reactions and draw the internal force diagram for the following beam



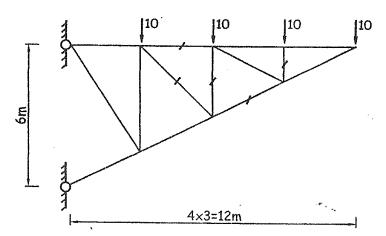
3- Calculate the reactions and draw the internal force diagram for the following structure



4- Calculate the reactions and draw the internal force diagram for the following structure



5- Find the force in marked members



Good luck with my best wish

DR. HOSSAM EL-DIN FAWZY