

Benha University

MidTerm Exam MDP 234



Shoubra Faculty of Engineering 2nd year 2016/2017

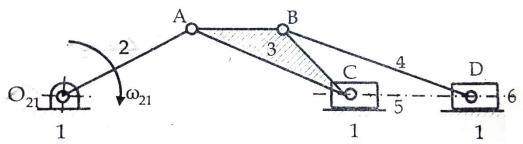
Mechanical Engineering Department (Power)

Student Name:

1. Question (1) Marks (10)

For the shown mechanism crank 2 rotates with constant angular velocity ω_{21} =25 s⁻¹ Given M_L=10 cm/cm

- a) Construct the velocity and acceleration diagrams.
- b) Determine the velocity and acceleration of both slider link 5 and 6.
- c) Determine ω_{31} , ω_{41} , α_{31} , α_{41}







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