GENERAL ORGANIZATION FOR TECHNICAL EDUCATION AND VOCATIONAL TRAINING
RIYADH COLLEGE OF TECHNOLOGY
MECHANICAL TECHNOLOGY DEPARTMENT

ME-392: Mechanics   Fall 1427/1428 (27-2)

Midterm Exam
Date: 29/3/1428
Dr. A. Al-Abduljabbar

Name: _____

Student #: _____

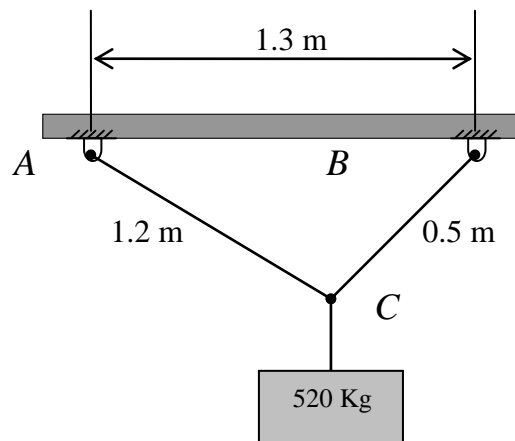**Duration:** 120 Minutes**.**

Check your Section   ☐ **Sec 2605** ☐ **Sec 2604**

CLOSED BOOK/NOTES EXAM

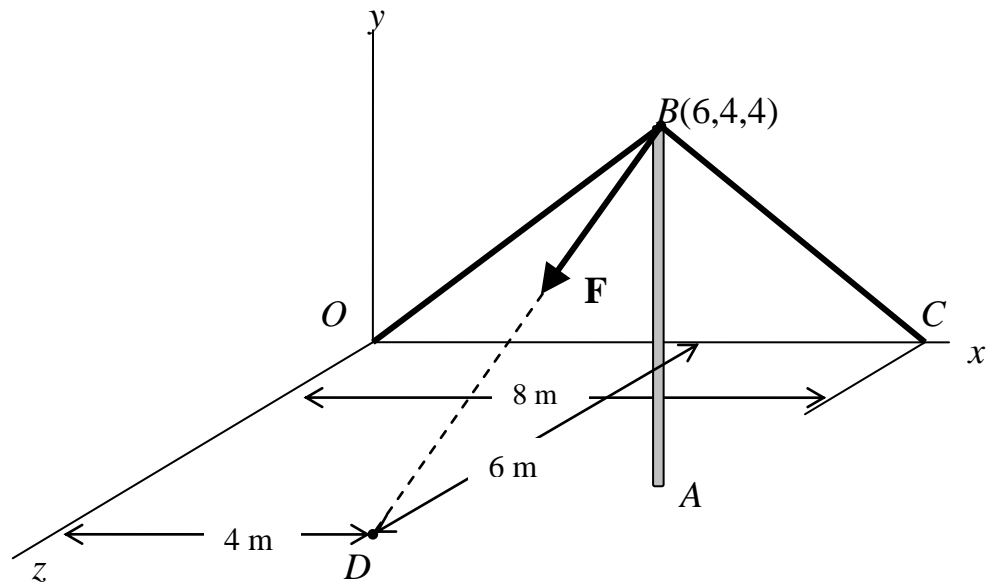|	MARKS	GRADE
1	25	
2	45	
3	30	
Total	100	

Problem 1
Two cables are tied together at *C* and loaded as shown. Dtermine the tension in *AC* and *BC*.

Problem 2

The force **F** applied at point *B* is 20 kN, find the tension in cables *BO* and *BC*.
Also determine the moment which the force make about the line *OD*

Problem 3
The force **P**=60 Ib**;** find the reactions at *A* and *B*.