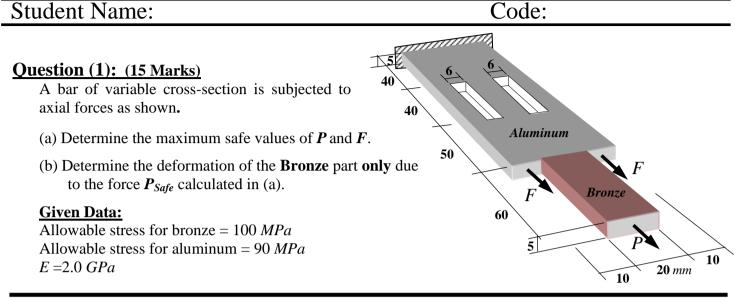


Ministry of Higher Education Giza Higher Institute of Engineering & Technology Civil Engineering Department Course Name: Theory of Structures (1)B Course Code : CIV 121 Date : 30 / 3 / 2019 Mid-Term Exam Academic Year :2018/2019Semester :SecondLevel :1st CivilTime :1 HourExaminer:Dr. M. Abdel-Kader

Total Marks: 30

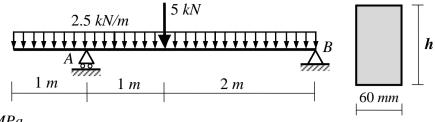
No. of Questions:2 (Attempt all questions)



Solution:

<u>Please turn over</u>

Question (2): (15 Marks) Determine the minimum height h of the cross section of the beam loaded as shown.



The maximum flexural stress, $f_{b max} = 30 MPa$. Note: *S.F.D* and *B.M.D* are required.

Solution: